

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 8c.1

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 8c.1

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

F. Income-Eligible Multi-Family Direct Install Program

APPLICATION:

The Income-Eligible Multi-Family Direct Install Program (Program) is designed to improve the energy efficiency of low-income multi-family dwellings in The Empire District Electric Company’s (Company) Missouri service territory by offering kits containing direct-install measures (e.g., high-efficiency light bulbs, showerheads, sink aerators, etc.) to the owners of those buildings. The Company’s participation in such financial incentives is limited to the amount of Funds available as determined by the Stipulation and Agreement approved by the Missouri Public Service Commission (Commission) in Case No. ER-2016-0023.

DEFINITIONS:

Administrator: The Company will administer the Program.

DSM Advisory Group (“DSMAG”) –An advisory collaborative consisting of Company stakeholders including Missouri Public Service Commission Staff, Missouri Department of Economic Development – Division of Energy, Dogwood Energy, LLC, and the Missouri Office of Public Counsel. The Company will meet with the DSMAG no less than quarterly to report on participation in its energy efficiency programs, discuss successes and challenges, report on expenditures and remaining budget balances, and work together toward the continuous improvement of the Company’s energy efficiency offerings

Energy Efficiency Kits: A single offering made to qualifying participants which contains within it a variety of direct-install energy efficiency measures, such as high-efficiency light bulbs, high-efficiency showerheads, or sink aerators.

Funds: The annual allotted amount of money available for the Income-Eligible Multi-Family Direct Install Program, as found on Sheet 8e.

Program Period – Per the Stipulation and Agreement approved by the Commission in Case No. ER-2016-0023, the program will have a term of not less than two (2) years.

Qualified Multi-Family Dwelling: A single federally-subsidized low-income residential structure with four or more separate housing units, which are metered individually under the Company’s Missouri residential retail electric rate.

Qualified Participant: Owners of Qualified Multi-Family Dwellings and their occupants, who must be residential retail electric customers in the Company’s Missouri service territory.

AVAILABILITY:

The Program will be offered during the Program Period and is voluntary and available on a first-come, first-served basis to any eligible participant until funds for that program year have been committed and/or expended. Energy efficiency kits will be distributed to and installed by owners of Qualified Multi-Family Dwellings.

TERMS & CONDITIONS:

Installation of Energy Efficiency Kits must be provided by building owners. Energy Efficiency Kits will be distributed only to building owners whose buildings qualify as low-income. The number of Energy Efficiency Kits issued to building owners will be determined by the number of qualifying housing units in the building. The Company, at its discretion, may determine and change the contents of the Energy Efficiency Kits, provided the items have a verifiable and measurable energy savings value. The Company will notify the DSMAG prior to any changes regarding the contents of Energy Efficiency Kits.

PROGRAM FUNDING:

Unspent budgeted allocations may be moved between programs. If the total portfolio expenditures are less than the total portfolio budget in a given program year, the difference will be added to the total portfolio budget for the following program year, and allocated between programs at The Company’s discretion. The DSMAG will be notified prior to the reallocation of funds between programs or to the reallocation of funds to the following program year.

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0246

DATE OF ISSUE May 22, 2017 DATE EFFECTIVE June 1, 2017

ISSUED BY Chris Krygier, Director – Rates and Regulatory Affairs, Joplin, MO

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 8c.1

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8c.1

For ALL TERRITORY

RESERVED FOR FUTURE USE

CANCELLED
June 1, 2017
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0246

DATE OF ISSUE June 3, 2011
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 15, 2011 **FILED**
Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8c.1

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

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

E.1. WEATHERIZATION PROGRAM - VARIANCE

PURPOSE:

This Variance ("Variance") to The Empire District Electric Company ("Empire" or "Company") Weatherization Program (Section 4, Sheet No. 8c) is intended to enhance weatherization of qualified Customers' homes and subsequently reduce their energy usage. This Variance will assist the Local Social Agencies ("Agencies") to carry out the Weatherization Program in accordance with the Federal American Recovery and Reinvestment Act ("ARRA") of 2009. The ARRA enhances the Low Income Weatherization Assistance Program ("LIWAP") administered by the U.S. Department of Energy (DOE) through the Missouri Department of Natural Resources (DNR), Energy Center ("EC"). The ARRA greatly expands the Federal funding available to LIWAP and increases the average expenditure to weatherize a home. This Variance will allow LIWAP Agencies to redirect funds allocated for the 2009 Weatherization Program ("Program") weatherization funds as specified in DESCRIPTION.

Empire's participation in this Program is limited to the funds allocated for that purpose and approved by the Customer Program Collaborative (CPC) pursuant to the Stipulation and Agreement approved by the Missouri Public Service Commission (Commission) in Case No. EO-2005-0263. Funds spent using this Variance will be considered as funds spent for the Weatherization Program.

AVAILABILITY:

Weatherization provided to eligible Customers will be enhanced beyond what is provided under the current Weatherization Program as a result of the ARRA and this Variance.

ADMINISTRATION:

The Program will continue to be administered by the Agencies in the Program. The funding under the Variance is available to the Agencies that qualify and assist Customers under the LIWAP.

TERM:

The Variance starts on the effective date of this Variance and continues through December 31, 2009.

DESCRIPTION:

Agencies that administer the LIWAP may use the Variance funds for expenditures categorized below. Expenditures must include notation of the appropriate category.

I. Equipment

- a. Blower Door
- b. Combustion Gas Detector
- c. Carbon Monoxide/Combustion Gas Monitor
- d. Infrared Camera
- e. Vehicles/Trailers
- f. Insulation Blowers
- g. Hand Tools

II. Workforce

III. Training

- a. Basic Weatherization
- b. Building Performance Institute Training
- c. Whole House Protocol
- d. Lead Safe

IV. Administration

- a. Administrative Support Staff
- b. Office Equipment
- c. Office Furniture

Filed
Missouri Public
Service Commission
JE-2009-0697

CANCELLED
June 15, 2011
Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615

DATE OF ISSUE March 30, 2009
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE April 29, 2009

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 8c.2

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Resided Sheet No. 8c.2

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

G. Multi-Family Direct Install Program

APPLICATION:

The Multi-Family Direct Install Program (Program) is designed to improve the energy efficiency of multi-family dwellings in The Empire District Electric Company's (Company) Missouri service territory by offering kits containing direct-install measures (e.g., high-efficiency light bulbs, showerheads, sink aerators, etc.) to the owners and/or tenants of those buildings. The Company's participation in such financial incentives is limited to the amount of Funds available as determined by the Stipulation and Agreement approved by the Missouri Public Service Commission (Commission) in Case No. ER-2016-0023.

DEFINITIONS:

Administrator: The Company will administer the Program.

DSM Advisory Group ("DSMAG") – An advisory collaborative consisting of Company stakeholders including Missouri Public Service Commission Staff, Missouri Department of Economic Development – Division of Energy, Dogwood Energy, LLC, and the Missouri Office of Public Counsel. The Company will meet with the DSMAG no less than quarterly to report on participation in its energy efficiency programs, discuss successes and challenges, report on expenditures and remaining budgets balances, and work together toward the continuous improvement of the Company's energy efficiency offerings.

Energy Efficiency Kits: A single offering made to qualifying participants which contains within it a variety of direct-install energy efficiency measures, such as high-efficiency light bulbs, high-efficiency showerheads, or sink aerators.

Funds: The annual allotted amount of money available for the Multi-Family Direct Install Program, as found on Sheet 8e.

Qualifying Multi-Family Dwelling: A single residential structure with four or more separate housing units, which are metered individually under The Company's Missouri residential retail electric rate.

Participant: Owners of multi-family dwellings and/or tenants, who must be residential retail electric customers in The Company's Missouri service territory.

Program Period – Per the Stipulation and Agreement approved by the Commission in Case No. ER-2016-0023, the program will have a term of not less than two (2) years.

AVAILABILITY:

The Program will be offered during the Program Period and is voluntary and available on a first-come, first-served basis to any eligible participant until funds for that program year have been committed and/or expended. Energy efficiency kits will be distributed to and installed by either the owners of Qualifying Multi-Family Dwellings or individual tenants of these buildings.

TERMS & CONDITIONS:

Installation of Energy Efficiency Kits may be provided by building owners, or by individual tenants of multi-family dwellings. The Company will not be held responsible for multi-family dwelling occupants who violate terms of a lease or occupancy agreement by choosing to personally install the contents of the Energy Efficiency Kits. The number of Energy Efficiency Kits issued to building owners will be determined by the number of qualifying housing units in the building. The Company, at its discretion, may determine and change the contents of the Energy Efficiency Kits, provided the items have a verifiable and measurable energy savings value. The Company will notify the DSMAG prior to any changes regarding the contents of Energy Efficiency Kits.

PROGRAM FUNDING:

Unspent budgeted allocations may be moved between programs. If the total portfolio expenditures are less than the total portfolio budget in a given program year, the difference will be added to the total portfolio budget for the following program year, and allocated between programs at The Company's discretion. The DSMAG will be notified prior to the reallocation of funds between programs or to the reallocation of funds to the following program year.

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0246

DATE OF ISSUE May 22, 2017 DATE EFFECTIVE June 1, 2017
ISSUED BY Chris Krygiar, Director – Rates and Regulatory Affairs, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 8c.2

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8c.2

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

RESERVED FOR FUTURE USE

CANCELLED
June 1, 2017
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0246

DATE OF ISSUE June 3, 2011
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 15, 2011 FILED
Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8c.2

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

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

DESCRIPTION (Continued):

- V. Space Needs
 - a. Office Space
 - b. Storage Space

VI. Outreach to eligible Customers

Empire will review all expenditures for appropriateness and reasonableness.

DEFINITIONS:

Program – Empire Weatherization Program described in Tariff Section 4, Sheet No. 8c.

LIWAP – Low Income Weatherization Assistance Program (“LIWAP”) administered by the U.S. Department of Energy (DOE) through the Missouri Department of Natural Resources (DNR), Energy Center (EC).

Agency – A Local Social Agency that is a DNR-EC subcontractor that provides the LIWAP in an area of the state.

FUNDING:

The total amount of the Variance funds will be defined in the agreement between the Company and the Agency. The total of the grants will not exceed the weatherization allocation for 2009.

Roll-over grants under the Weatherization Program will remain available to the Agencies under the guidance of the LIWAP and Tariff Section 4, Sheet, No. 8c.

REPORTING AND EVALUATION:

The Agencies that administer funds under the Variance will submit a monthly report(s) to Empire and EC. Each report will provide an accounting of the Variance funds received and spent during the Variance term. The report will include the following information for each Agency:

- a. Funds provided by the Company and spent on each of the categories defined above;
- b. Homes weatherized for the Company’s Customers;
- c. Number of weatherization jobs completed; and
- d. Number of weatherization jobs “in progress”; at the end of the Variance.

At the end of the Variance term the Company and EC will provide a report that will summarize and evaluate the effect of the Variance. The reports shall be subject to audit by the Commission Staff and Public Counsel.

CANCELLED
June 15, 2011
Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615

Filed
Missouri Public
Service Commission
JE-2009-0697

DATE OF ISSUE March 30, 2009
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE April 29, 2009

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 8d

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 8d

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

H. Heating, Ventilation, and Air Conditioning (“HVAC”) Rebate Program

APPLICATION:

The HVAC Rebate Program (Program) is designed to encourage the efficient use of energy through the purchase and installation of energy efficient HVAC systems by providing rebates to lower the cost of such improvements for residential customers. The Empire District Electric Company’s (Company) participation in such financial incentives is limited to the amount of Funds available as determined by the Stipulation and Agreement approved by the Missouri Public Service Commission (Commission) in Case No. ER-2016-0023.

DEFINITIONS:

Administrator: The Company will administer the Program.

DSM Advisory Group (“DSMAG”) – An advisory collaborative consisting of Company stakeholders including Missouri Public Service Commission Staff, Missouri Department of Economic Development – Division of Energy, Dogwood Energy, LLC, and the Missouri Office of Public Counsel. Empire will meet with the DSMAG no less than quarterly to report on participation in its energy efficiency programs, discuss successes and challenges, report on expenditures and remaining budget balances, and work together toward the continuous improvement of Empire’s energy efficiency offerings.

Funds – The annual allotted amount of money available for the HVAC Rebate Program, as found on Sheet 8e.

Participant: Electric residential customers, owners of residential rental property, and builders of residential structures being served by the Company in its Missouri retail electric service territory electing to upgrade or install central cooling or heating systems with a SEER value of 15 or higher.

Program Period – Per the Stipulation and Agreement approved by the Commission in Case No. ER-2016-0023, the program will have a term of not less than two (2) years.

SEER: Seasonal Energy Efficiency Ratio, the efficiency rating for the heating or cooling system over a range of expected external temperatures (i.e., the temperature distribution for the geographical location for the SEER test). SEER rating is the Btu of cooling output during a simulated, typical cooling season divided by the total electric energy input in watt-hours during the same period.

AVAILABILITY:

The Program will be offered during the Program Period and is voluntary and available on a first-come, first-served basis to any eligible participant until funds for that program year have been committed and/or expended. Customers whose homes have more than one central heating or cooling system are eligible to receive more than one rebate, if they replace more than one system. Customers who install qualifying mini-split heat pumps in their homes will be eligible for a maximum of one rebate per home.

TERMS & CONDITIONS:

This Program will provide rebates to all Participants purchasing and installing central cooling or heating systems. The available rebates are as follows:

	SEER of 15 to 15.9	\$250
CANCELLED	SEER of 16 to 16.9	\$350
September 16, 2020	SEER of 17 or higher	\$450
Missouri Public	Mini-split Heat Pumps 17 SEER or Higher	\$300
Service Commission		

ER-2019-0374; EN-2021-0038; YE-2021-0041

Eligible Participants may obtain an application for the program on Empire’s Web site, or may request a paper copy by contacting Empire’s Customer Service department at 800-206-2300. Applications will be considered only after the customer has supplied Empire and/or its implementation contractor with all required and requested documentation.

PROGRAM FUNDING:

Unspent budgeted allocations may be moved between programs. If the total portfolio expenditures are less than the total portfolio budget in a given program year, the difference will be added to the total portfolio budget for the following program year, and allocated between programs at The Company’s discretion. The DSMAG will be notified prior to the reallocation of funds between programs or to the reallocation of funds to the following program year.

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0246

DATE OF ISSUE May 22, 2017 DATE EFFECTIVE June 1, 2017
ISSUED BY Chris Krygier, Director – Rates and Regulatory Affairs, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 8d

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 8d

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

F. Low-Income New Home Program

APPLICATION:

The Low-Income New Home Program (Program) is designed to promote energy efficiency in affordable new homes for low income customers served under The Empire District Electric Company's ("Company") Residential Service Schedule RS. This Program is intended as a partnership between the Company and non-profit organizations, including Habitat for Humanity, and local government community development organizations (Organizations). The Company's participation in such financial incentives is limited to the funds allocated for that purpose and approved by the Customer Program Collaborative (CPC) pursuant to the Stipulation and Agreement approved by the Missouri Public Service Commission (Commission) in Case No. EO-2005-0263.

ADMINISTRATION:

The Company will administer the program, but will rely on the Organization submitting the application to qualify the home-buyer as low-income according to local standards.

TERMS & CONDITIONS:

1. The Program will provide financial incentives for increased energy efficiency in the building shell insulation and for high-efficiency central air conditioners (CAC), heat pumps (HP), refrigerators, and lighting fixtures. This Program is specifically directed toward the low-income community. The Program applies to single unit residences and multi-unit housing, which for the first program year will be limited to duplex units.
2. The total available incentive per residential unit is \$1,100 with an assumed average of \$500. This incentive may be a combination of any of the following:
 - a. The financial incentive for the CAC or HP with a SEER of 14 or greater will be set at the full incremental cost for the unit, up to a maximum of \$400. The incremental cost is based on a 13 SEER unit. The HP incentive will be the same as an incentive for a CAC with the equivalent SEER.
 - b. Up to \$200 may be allocated toward the purchase of, or the upgrade to, a higher efficiency model of an Energy Star® rated refrigerator.
 - c. Up to \$100 may be allocated toward the purchase of Energy Star® rated lighting fixtures.
 - d. Of the total funds allocated, an incentive of full incremental cost is available for improvements in the building shell as shown below.
 - i. Attic insulation of R-38 or higher with baseline of R-30 for incentives, and/or
 - ii. Exterior wall insulation of R-19 or better with a baseline of R-13, and/or
 - iii. Floor insulation of R-19 or better with a baseline of R-13.
3. Funds will be available on a "first-come, first-served" basis until the annual funds have been exhausted. Funding to the Organization will occur upon the receipt and review of paid invoices. An Organization must notify the Company of its intent to participate in this program prior to purchasing materials by completing the Notice of Intent and returning it as indicated on the form. This form may be obtained by calling 417-625-6519 or 1-800-639-0077 extension 6519.
4. This Program will continue for five years, unless otherwise ordered by the Commission. The first Program Year will begin with the original effective date of this tariff sheet.

EVALUATION:

A process evaluation could be conducted at the beginning of the third year of implementation at a cost of an additional 10% of the third year expenditures, i.e. \$1,050.

PROGRAM FUNDING:

Annual funds of \$5,000 will be available to the Organizations for this Program. To the extent that the annual funds contributed exceed the total cost expended on the program, the amount of the excess shall be "rolled over" to be utilized for the Low-Income New Home Program in the succeeding year. Any unused Marketing funds may be redirected for use as Financial Incentives as provided above in the Terms & Conditions. Any excess funds at the end of the program will be re-allocated to other programs by the CPC.

2010	\$10,500	2011	\$10,500	2012	\$10,500	2013	\$10,500
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CANCELLED
June 1, 2017
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0246

DATE OF ISSUE June 3, 2011
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 15, 2011

FILED
Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 8d

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8d

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

F. Low-Income New Home Program

APPLICATION:

The Low-Income New Home Program (Program) is designed to promote energy efficiency in affordable new homes for low income customers served under The Empire District Electric Company's ("Company") Residential Service Schedule RS. This Program is intended as a partnership between the Company and non-profit organizations, including Habitat for Humanity, and local government community development organizations (Organizations). The Company's participation in such financial incentives is limited to the funds allocated for that purpose and approved by the Customer Program Collaborative (CPC) pursuant to the Stipulation and Agreement approved by the Missouri Public Service Commission (Commission) in Case No. EO-2005-0263.

ADMINISTRATION:

The Company will administer the program, but will rely on the Organization submitting the application to qualify the home-buyer as low-income according to local standards.

TERMS & CONDITIONS:

1. The Program will provide financial incentives for increased energy efficiency in the building shell insulation and for high-efficiency central air conditioners (CAC), heat pumps (HP), refrigerators, and lighting fixtures. This Program is specifically directed toward the low-income community. The Program applies to single unit residences and multi-unit housing, which for the first program year will be limited to duplex units.
2. The total available incentive per residential unit is \$1,100 with an assumed average of \$500. This incentive may be a combination of any of the following:
 - a. The financial incentive for the CAC or HP with a SEER of 14 or greater will be set at the full incremental cost for the unit, up to a maximum of \$400. The incremental cost is based on a 13 SEER unit. The HP incentive will be the same as an incentive for a CAC with the equivalent SEER.
 - b. Up to \$200 may be allocated toward the purchase of, or the upgrade to, a higher efficiency model of an Energy Star® rated refrigerator.
 - c. Up to \$100 may be allocated toward the purchase of Energy Star® rated lighting fixtures.
 - d. Of the total funds allocated, an incentive of full incremental cost is available for improvements in the building shell as shown below.
 - i. Attic insulation of R-38 or higher with baseline of R-30 for incentives, and/or
 - ii. Exterior wall insulation of R-19 or better with a baseline of R-13, and/or
 - iii. Floor insulation of R-19 or better with a baseline of R-13.
3. Funds will be available on a "first-come, first-served" basis until the annual funds have been exhausted. Funding to the Organization will occur upon the receipt and review of paid invoices. An Organization must notify the Company of its intent to participate in this program prior to purchasing materials by completing the Notice of Intent and returning it as indicated on the form. This form may be obtained by calling 417-625-6519 or 1-800-639-0077 extension 6519.
4. This Program will continue for five years, unless otherwise ordered by the Commission. The first Program Year will begin with the original effective date of this tariff sheet.

EVALUATION:

A process evaluation could be conducted at the beginning of the third year of implementation at a cost of an additional 10% of the third year expenditures, i.e. \$1,050.

PROGRAM FUNDING:

Annual funds of \$5,000 will be available to the Organizations for this Program. To the extent that the annual funds contributed exceed the total cost expended on the program, the amount of the excess shall be "rolled over" to be utilized for the Low-Income New Home Program in the succeeding year. Any unused Marketing funds may be redirected for use as Financial Incentives as provided above in the Terms & Conditions. Any excess funds at the end of the program will be re-allocated to other programs by the CPC.

Annual funds for this program are as follows:

Program Year	Program Management	Marketing	Financial Incentives	Evaluation	Total
1	\$2,500	\$5,000	\$5,000		\$12,500
2	\$2,500	\$2,500	\$5,000		\$10,000
3	\$3,000	\$2,500	\$5,000	\$1,050	\$11,550
4	\$3,000	\$2,500	\$5,000		\$10,500
5	\$3,000	\$2,500	\$5,000		\$10,500

CANCELLED
June 15, 2011
Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615

DATE OF ISSUE August 6, 2008
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 5, 2008 August 23, 2008

FILED
Missouri Public
Service Commission

ER-2008-0093

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8d

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

For ALL TERRITORY

**PROMOTIONAL PRACTICES
SCHEDULE PRO**

G. Low-Income New Home Program

APPLICATION:

The Low-Income New Home Program (Program) is designed to promote energy efficiency in affordable new homes for low income customers served under The Empire District Electric Company's ("Company") Residential Service Schedule RS. This Program is intended as a partnership between the Company and non-profit organizations, including Habitat for Humanity, and local government community development organizations (Organizations). The Company's participation in such financial incentives is limited to the funds allocated for that purpose and approved by the Customer Program Collaborative (CPC) pursuant to the Stipulation and Agreement approved by the Missouri Public Service Commission (Commission) in Case No. EO-2005-0263.

ADMINISTRATION:

The Company will administer the program, but will rely on the Organization submitting the application to qualify the home-buyer as low-income according to local standards.

TERMS & CONDITIONS:

1. The Program will provide financial incentives for increased energy efficiency in the building shell insulation and for high-efficiency central air conditioners (CAC), heat pumps (HP), refrigerators, and lighting fixtures. This Program is specifically directed toward the low-income community. The Program applies to single unit residences and multi-unit housing, which for the first program year will be limited to duplex units.
2. The total available incentive per residential unit is \$1,100 with an assumed average of \$500. This incentive may be a combination of any of the following:
 - a. The financial incentive for the CAC or HP with a SEER of 14 or greater will be set at the full incremental cost for the unit, up to a maximum of \$400. The incremental cost is based on a 13 SEER unit. The HP incentive will be the same as an incentive for a CAC with the equivalent SEER.
 - b. Up to \$200 may be allocated toward the purchase of, or the upgrade to, a higher efficiency model of an Energy Star® rated refrigerator.
 - c. Up to \$100 may be allocated toward the purchase of Energy Star® rated lighting fixtures.
 - d. Of the total funds allocated, an incentive of full incremental cost is available for improvements in the building shell as shown below.
 - i. Attic insulation of R-38 or higher with baseline of R-30 for incentives, and/or
 - ii. Exterior wall insulation of R-19 or better with a baseline of R-13, and/or
 - iii. Floor insulation of R-19 or better with a baseline of R-13.
3. Funds will be available on a "first-come, first-served" basis until the annual funds have been exhausted. Funding to the Organization will occur upon the receipt and review of paid invoices. An Organization must notify the Company of its intent to participate in this program prior to purchasing materials by completing the Notice of Intent and returning it as indicated on the form. This form may be obtained by calling 417-625-6519 or 1-800-639-0077 extension 6519.
4. This Program will continue for five years, unless otherwise ordered by the Commission. The first Program Year will begin with the original effective date of this tariff sheet.

EVALUATION:

A process evaluation could be conducted at the beginning of the third year of implementation at a cost of an additional 10% of the third year expenditures, i.e. \$1,050.

PROGRAM FUNDING:

Annual funds of \$5,000 will be available to the Organizations for this Program. To the extent that the annual funds contributed exceed the total cost expended on the program, the amount of the excess shall be "rolled over" to be utilized for the Low-Income New Home Program in the succeeding year. Any unused Marketing funds may be redirected for use as Financial Incentives as provided above in the Terms & Conditions. Any excess funds at the end of the program will be re-allocated to other programs by the CPC.

Annual funds for this program are as follows:

Program Year	Program Management	Marketing	Financial Incentives	Evaluation	Total
1	\$2,500	\$5,000	\$5,000		\$12,500
2	\$2,500	\$2,500	\$5,000		\$10,000
3	\$3,000	\$2,500	\$5,000	\$1,050	\$11,550
4	\$3,000	\$2,500	\$5,000		\$10,500
5	\$3,000	\$2,500	\$5,000		\$10,500

DATE OF ISSUE February 2, 2007
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE March 4, 2007

CANCELLED
August 23, 2008
Missouri Public
Service Commission

Filed
Missouri Public
Service Commission
ET-2007-0297

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 8e

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 8e

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

PROGRAM PORTFOLIO INFORMATION

Empire’s annual budget for its energy efficiency portfolio will be \$1,250,000 per calendar year, which includes five percent for marketing of the programs, and five percent for a comprehensive Evaluation, Measurement, and Verification (“EM&V”) of the programs, as determined by the Stipulation and Agreement approved by the Missouri Public Service Commission (Commission) in Case No. ER-2016-0023. Up to \$50,000 of the first year’s budget shall be used for a feasibility study of PAYS and other on-bill financing. Unspent budgeted allocations may be moved between programs, and any unspent budget for the feasibility study of PAYS and other on-bill financing shall be moved to one or more of the four programs listed below following consultation with the DSMAG. If the total portfolio expenditures are less than the total portfolio budget in a given year, the difference will be added to the total portfolio budget for the following year, and allocated between programs at Empire’s discretion. The DSMAG will be notified prior to the reallocation of funds between programs or to the reallocation of funds to the following year.

Program Budgets:

Custom C&I Program (see Sheets 8a and 8a1 for details):

Program Year Beginning	Budget
2017	\$768,000
2018	\$800,000

Income-Eligible Multi-Family Direct Install (see Sheet 8c1 for program details)

Program Year Beginning	Budget
2017	\$96,000
2018	\$100,000

Multi-Family Direct Install (see Sheet 8c2 for program details)

Program Year Beginning	Budget
2017	\$96,000
2018	\$100,000

Residential HVAC Program (see Sheet 8d for program details)

Program Year Beginning	Budget
2017	\$240,000
2018	\$250,000

Annual Energy Savings Targets (kWh):

	PY Beginning 2017	PY Beginning 2018	Total
Custom C&I Program	5,600,000	5,600,000	11,200,000
Income-Eligible Multi-Family Direct Install	415,612	415,612	831,224
Multi-Family Direct Install	415,612	415,612	831,224
Residential HVAC Program	363,668	363,668	727,336
Total	6,794,892	6,794,892	13,589,784

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0246

DATE OF ISSUE May 22, 2017 DATE EFFECTIVE June 1, 2017
ISSUED BY Chris Krygier, Director – Rates and Regulatory Affairs, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 8e

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8e

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

G. High Efficiency Residential Central Air Conditioning Rebate Program

APPLICATION:

The High Efficiency Residential Central Air Conditioning Rebate Program (Program) is designed to encourage more effective utilization of electric energy through the use of more energy efficient residential central air conditioning equipment and heat pumps by providing a financial incentive to customers in the form of a rebate. The Empire District Electric Company's (Company) participation in such financial incentives is limited to the Funds allocated for that purpose and approved by the Customer Program Collaborative (CPC) pursuant to the Stipulation and Agreement approved by the Missouri Public Service Commission (Commission) in Case. No EO-2005-0263.

DEFINITIONS:

Administrator: The Company will administer the Program.

Participant: Electric residential customers, owners of residential rental property, and builders of residential structures being served by the Company in its Missouri electric service territory that elect to upgrade to or install central air conditioning equipment or a heat pump with a SEER value of 15 or higher.

SEER: Seasonal Energy Efficiency Ratio, the efficiency rating for the air conditioner or heat pump over a range of expected external temperatures (i.e., the temperature distribution for the geographical location for the SEER test). SEER rating is the Btu of cooling output during a simulated, typical cooling season divided by the total electric energy input in watt-hours during the same period.

AVAILABILITY:

The Program is voluntary and available on a first-come, first-served basis to any residential customer, owner of residential rental property or builder of residential structures in Missouri who is receiving electric service from the Company. Sixty-five (65) percent of the available funds each calendar year will be made available to residential customers during the first eight months of that year. After the first eight months of that year, all of the remaining funds are equally available to residential customers, owners of residential rental property and builders.

TERMS & CONDITIONS:

This Program will provide rebates to all Participants that purchase and install appropriately sized high efficiency central air conditioning equipment or heat pumps, or replace existing equipment with appropriately sized higher efficiency units after the original effective date of this tariff. The available rebates are as follows:

SEER of 15 to 15.9	\$400
SEER of 16 to 16.9	\$450
SEER of 17 or higher	\$500

Application forms for obtaining a rebate are available on the Company's web site at www.empiredistrict.com or by calling Kelly Chenoweth at 417.625.5100. Completed application forms must be submitted to the Company by sending the forms to Kelly Chenoweth at 602 Joplin St., P. O. Box 127, Joplin, MO 64802 or by fax to 417.625.5169. All applications for rebates must be accompanied by dated proof of purchase and a certification from the installer that the central air conditioner or heat pump is appropriately sized based on a "Manual J" calculation or industry equivalent test that was performed as part of the installation process in order to qualify for a Company rebate. Beginning in 2009, installers must have participated in both the Company's "Manual J" training and Company's "System Charging and Airflow" training, or show participation in similar training within the last twenty-four (24) months, for the homeowner, owner of residential rental property or builder to be eligible for the rebate.

The Company will make annual training on Manual J calculations and System Charging and Airflow available to installers of central air conditioning equipment and heat pumps. This training will be made available at least one time per year.

EVALUATION:

An initial evaluation of the program based on the first two program years will be conducted during the third program year unless the CPC approves advancing or delaying the evaluation.

CANCELLED
June 1, 2017
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0246

DATE OF ISSUE August 6, 2008
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~September 5, 2008~~ August 23, 2008

FILED
Missouri Public
Service Commission

ER-2008-0093

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8e

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

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

H. High Efficiency Residential Central Air Conditioning Rebate Program

APPLICATION:

The High Efficiency Residential Central Air Conditioning Rebate Program (Program) is designed to encourage more effective utilization of electric energy through the use of more energy efficient residential central air conditioning equipment and heat pumps by providing a financial incentive to customers in the form of a rebate. The Empire District Electric Company's (Company) participation in such financial incentives is limited to the Funds allocated for that purpose and approved by the Customer Program Collaborative (CPC) pursuant to the Stipulation and Agreement approved by the Missouri Public Service Commission (Commission) in Case No EO-2005-0263.

DEFINITIONS:

Administrator: The Company will administer the Program.

Participant: Electric residential customers, owners of residential rental property, and builders of residential structures being served by the Company in its Missouri electric service territory that elect to upgrade to or install central air conditioning equipment or a heat pump with a SEER value of 15 or higher.

SEER: Seasonal Energy Efficiency Ratio, the efficiency rating for the air conditioner or heat pump over a range of expected external temperatures (i.e., the temperature distribution for the geographical location for the SEER test). SEER rating is the Btu of cooling output during a simulated, typical cooling season divided by the total electric energy input in watt-hours during the same period.

AVAILABILITY:

The Program is voluntary and available on a first-come, first-served basis to any residential customer, owner of residential rental property or builder of residential structures in Missouri who is receiving electric service from the Company. Sixty-five (65) percent of the available funds each calendar year will be made available to residential customers during the first eight months of that year. After the first eight months of that year, all of the remaining funds are equally available to residential customers, owners of residential rental property and builders.

TERMS & CONDITIONS:

This Program will provide rebates to all Participants that purchase and install appropriately sized high efficiency central air conditioning equipment or heat pumps, or replace existing equipment with appropriately sized higher efficiency units after the original effective date of this tariff. The available rebates are as follows:

SEER of 15 to 15.9	\$400
SEER of 16 to 16.9	\$450
SEER of 17 or higher	\$500

Application forms for obtaining a rebate are available on the Company's web site at www.empiredistrict.com or by calling Kelly Chenoweth at 417.625.5100. Completed application forms must be submitted to the Company by sending the forms to Kelly Chenoweth at 602 Joplin St., P. O. Box 127, Joplin, MO 64802 or by fax to 417.625.5169. All applications for rebates must be accompanied by dated proof of purchase and a certification from the installer that the central air conditioner or heat pump is appropriately sized based on a "Manual J" calculation or industry equivalent test that was performed as part of the installation process in order to qualify for a Company rebate. Beginning in 2009, installers must have participated in both the Company's "Manual J" training and Company's "System Charging and Airflow" training, or show participation in similar training within the last twenty-four (24) months, for the homeowner, owner of residential rental property or builder to be eligible for the rebate.

The Company will make annual training on Manual J calculations and System Charging and Airflow available to installers of central air conditioning equipment and heat pumps. This training will be made available at least one time per year.

EVALUATION:

An initial evaluation of the program based on the first two program years will be conducted during the third program year unless the CPC approves advancing or delaying the evaluation.

DATE OF ISSUE May 4, 2007
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 4, 2007

CANCELLED
August 23, 2008
Missouri Public
Service Commission

ET-2007-0428

Filed
Missouri Public
Service Commission

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 8f

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 8f

For ALL TERRITORY

PROMOTIONAL PRACTICES SCHEDULE PRO

RESERVED FOR FUTURE USE

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0246

DATE OF ISSUE May 22, 2017 DATE EFFECTIVE June 1, 2017
ISSUED BY Chris Krygier, Director – Rates and Regulatory Affairs, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 8f

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8f

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

G. High Efficiency Residential Central Air Conditioning Rebate Program (Continued)

PROGRAM FUNDING:

To the extent that the annual Program funding exceeds the total cost expended on the Program during a program year, the excess funds shall be "rolled over" to be utilized for the Program in the succeeding program year; however, any remaining unused funds at the end of 2014 shall be made available for other energy efficiency programs. The annual funding available for this Program is as follows:

<u>Year</u>	<u>Customer Incentives</u>	<u>Total Program Funds</u>
2010	\$312,000	\$379,500
2011	\$312,000	\$382,000
2012	\$312,000	\$382,000
2013	\$312,000	\$382,000

Individual participant projects that have been approved for rebate consideration may be scheduled in the succeeding program year, but not beyond the end of 2014.

CANCELLED
June 1, 2017
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0246

DATE OF ISSUE June 3, 2011
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 15, 2011

FILED
Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8f

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

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

PROGRAM FUNDING:

To the extent that the annual Program funding exceeds the total cost expended on the Program during a program year, the excess funds shall be "rolled over" to be utilized for the Program in the succeeding program year; however, any remaining unused funds at the end of the fifth year of the program shall be made available for other energy efficiency programs. The annual funding available for this Program is as follows:

Year	Customer Incentives	Total Program Funds
2007	\$208,000	\$268,000
2008	\$260,000	\$322,500
2009	\$312,000	\$414,700
2010	\$312,000	\$379,500
2011	\$312,000	\$382,000

Individual participant projects that have been approved for rebate consideration may be scheduled in the succeeding program year, but not beyond the end of the fifth year of the Program.

CANCELLED
June 15, 2011
Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615

DATE OF ISSUE May 4, 2007
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 4, 2007

ET-2007-0428

Filed
Missouri Public
Service Commission

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 8g

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 8g

For ALL TERRITORY

PROMOTIONAL PRACTICES SCHEDULE PRO

RESERVED FOR FUTURE USE

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0246

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 8g

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8g

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

I. Building Operator Certification

APPLICATION:

This program is designed to encourage building operator certification through the Northwest Energy Efficiency Council's Building Operator Certification ("BOC" or "Program") curriculum. This curriculum consists of Level 1 and Level 2 programs which are geared toward the operators of institutional, commercial, and industrial facilities. The Empire District Electric Company ("Empire" or "Company") will, in collaboration with the Missouri Department of Natural Resources, Energy Center ("MDNR-EC") and the Midwest Energy Efficiency Alliance ("MEEA"), offer this program to Company's commercial and industrial customers. This group of customers excludes the Large Power ("LP") class. The Company's participation in such financial incentives is limited to the resources allocated for that purpose and approved by the Customer Program Collaborative ("CPC") pursuant to the Stipulation and Agreement approved by the Missouri Public Service Commission ("Commission") in Case No. EO-2005-0263.

DEFINITIONS:

Administrator: The Program will be administered by the MDNR-EC.

Participant: Missouri electric commercial or industrial customers being served by the Company under the CB, SH, TEB, PFM, or GP rate schedules. The individual(s) participating can be management or individuals responsible for the day-to-day operations of the participating customer's facility.

TERMS AND CONDITIONS:

The BOC Program is designed to provide training classes leading to the opportunity for building operator certification as defined in an agreement between Company and MDNR-EC.

Company will reimburse DNR-EC for certain expenses associated with the certification classes and process.

Tuition costs associated with the Program will be reimbursed by Company in the amount of \$575 per certification level and will be paid to the sponsor or individual paying the tuition after certification has been obtained. Qualified Building Operators will receive the reimbursement when a completed reimbursement request is submitted to Company and certification has been obtained. The reimbursement request is available by contacting the Company's Planning and Regulatory Department.

AVAILABILITY:

The certification courses funded by this Program will be available through MDNR-EC for any Building Operator or manager responsible for the operations of at least one Missouri facility receiving electric service from Company. This facility must be receiving service from Company under either the CB, SH, TEB, PFM, or GP rate schedule.

EVALUATION:

An initial evaluation of the Program based on the first two program years will be conducted during the third program year, unless the CPC approves delaying the evaluation.

PROGRAM FUNDING:

To the extent that the annual Program budget exceeds the total cost expended on the Program during a program year, the excess resources shall be made available for use in the succeeding Program year; however, any unused resources at the end of the fifth year of the Program shall be made available for use in Company's other energy efficiency programs in effect at the end of 2014. The annual operating budget approved by the CPC for this Program is as follows:

	Year	Total Program Budget
CANCELLED June 1, 2017 Missouri Public Service Commission ER-2016-0023; YE-2017-0246	2010	\$36,850
	2011	\$34,500
	2012	\$34,500
	2013	\$34,500

Certification schedules that carry-over into the next year will be paid.

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8g

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

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

I. Building Operator Certification

APPLICATION:

This program is designed to encourage building operator certification through the Northwest Energy Efficiency Council's Building Operator Certification ("BOC" or "Program") curriculum. This curriculum consists of Level 1 and Level 2 programs which are geared toward the operators of institutional, commercial, and industrial facilities. The Empire District Electric Company ("Empire" or "Company") will, in collaboration with the Missouri Department of Natural Resources, Energy Center ("MDNR-EC") and the Midwest Energy Efficiency Alliance ("MEEA"), offer this program to Company's commercial and industrial customers. This group of customers excludes the Large Power ("LP") class. The Company's participation in such financial incentives is limited to the resources allocated for that purpose and approved by the Customer Program Collaborative ("CPC") pursuant to the Stipulation and Agreement approved by the Missouri Public Service Commission ("Commission") in Case No. EO-2005-0263.

DEFINITIONS:

Administrator: The Program will be administered by the MDNR-EC.

Participant: Missouri electric commercial or industrial customers being served by the Company under the CB, SH, TEB, PFM, or GP rate schedules. The individual(s) participating can be management or individuals responsible for the day-to-day operations of the participating customer's facility.

TERMS AND CONDITIONS:

The BOC Program is designed to provide training classes leading to the opportunity for building operator certification as defined in an agreement between Company and MDNR-EC.

Company will reimburse DNR-EC for certain expenses associated with the certification classes and process.

Tuition costs associated with the Program will be reimbursed by Company in the amount of \$575 per certification level and will be paid to the sponsor or individual paying the tuition after certification has been obtained. Qualified Building Operators will receive the reimbursement when a completed reimbursement request is submitted to Company and certification has been obtained. The reimbursement request is available by contacting the Company's Planning and Regulatory Department.

AVAILABILITY:

The certification courses funded by this Program will be available through MDNR-EC for any Building Operator or manager responsible for the operations of at least one Missouri facility receiving electric service from Company. This facility must be receiving service from Company under either the CB, SH, TEB, PFM, or GP rate schedule.

EVALUATION:

An initial evaluation of the Program based on the first two program years will be conducted during the third program year, unless the CPC approves delaying the evaluation.

PROGRAM FUNDING:

To the extent that the annual Program budget exceeds the total cost expended on the Program during a program year, the excess resources shall be made available for use in the succeeding Program year; however, any unused resources at the end of the fifth year of the Program shall be made available for use in Company's other energy efficiency programs in effect at the end of the fifth year of the BOC Program. The annual operating budget approved by the CPC for this Program is as follows:

Year	Total Program Budget
2008	\$32,500
2009	\$33,000
2010	\$36,850
2011	\$34,000
2012	\$34,500

Certification schedules that carry-over into the next year will be paid.

CANCELLED
June 15, 2011
Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615

FILED
Missouri Public
Service Commission

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 8h

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 8h

For ALL TERRITORY

PROMOTIONAL PRACTICES SCHEDULE PRO

RESERVED FOR FUTURE USE

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0246

DATE OF ISSUE May 22, 2017 DATE EFFECTIVE June 1, 2017
ISSUED BY Chris Krygier, Director – Rates and Regulatory Affairs, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 8h

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8h

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

I. ENERGY STAR NEW HOMES

APPLICATION:

This program is designed to encourage the construction of homes to meet the ENERGY STAR® Homes guidelines. The Empire District Electric Company's ("Empire" or "Company") participation in such financial incentives is limited to the resources allocated for that purpose and approved by the Customer Program Collaborative ("CPC") pursuant to the Stipulation and Agreement approved by the Missouri Public Service Commission ("Commission") in Case No. EO-2005-0263.

DEFINITIONS:

Administrator: The ENERGY STAR New Homes Program ("ESNH") will be administered by Empire.

Participant: Residential builders and retailers/detailers of modular and manufactured homes in the Company's Missouri service territory along with individuals trained and certified as Home Energy Raters.

TERMS AND CONDITIONS:

Residential builders, subcontractors, and retailers/dealers who wish to participate in the program must meet all guidelines of the federal ENERGY STAR Homes program.

Additional program details may be found at www.energystar.gov and clicking on New Homes or by going directly to the New Homes section at http://www.energystar.gov/index.cfm?c=new_homes.hm_index.

Empire will provide incentives of up to \$400 to the Home Energy Raters which will reduce the cost of the home energy audits. The Rater may invoice Empire at the end of the project or for each of the two audits.

Empire will also provide incentives to the builders that will reduce the additional cost of building to ENERGY STAR guidelines. The builder incentive will be in the amount of \$800 and will be paid after the home is declared to be an ENERGY STAR Qualified Home.

AVAILABILITY:

Participation in the ESNH program is open to building contractors of residences and to retailers/dealers who sell modular and manufactured homes that will take service from Empire in its Missouri service territory. It is also available to persons certified as Home Energy Raters.

EVALUATION:

An initial evaluation of the Program based on the first two program years will be conducted during the third program year, unless the CPC approves delaying the evaluation.

PROGRAM FUNDING:

To the extent that the annual Program budget exceeds the total cost expended on the Program during a program year, the excess resources shall be made available for use in the succeeding Program year; however, any unused resources at the end of 2014 shall be made available for use in Company's other energy efficiency programs in effect at the end of 2014. The annual operating budget approved by the CPC for this Program is as follows:

<u>Year</u>	<u>Total Program Budget</u>
2010	\$246,400
2011	\$338,800
2012	\$338,800
2013	\$338,800

CANCELLED
June 1, 2017
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0246

DATE OF ISSUE June 3, 2011
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 15, 2011

FILED
Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8h

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

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

I. ENERGY STAR NEW HOMES

APPLICATION:

This program is designed to encourage the construction of homes to meet the ENERGY STAR® Homes guidelines. The Empire District Electric Company's ("Empire" or "Company") participation in such financial incentives is limited to the resources allocated for that purpose and approved by the Customer Program Collaborative ("CPC") pursuant to the Stipulation and Agreement approved by the Missouri Public Service Commission ("Commission") in Case No. EO-2005-0263.

DEFINITIONS:

Administrator: The ENERGY STAR New Homes Program ("ESNH") will be administered by Empire.

Participant: Residential builders and retailers/detailers of modular and manufactured homes in the Company's Missouri service territory along with individuals trained and certified as Home Energy Raters.

TERMS AND CONDITIONS:

Residential builders, subcontractors, and retailers/dealers who wish to participate in the program must meet all guidelines of the federal ENERGY STAR Homes program.

Additional program details may be found at www.energystar.gov and clicking on New Homes or by going directly to the New Homes section at http://www.energystar.gov/index.cfm?c=new_homes.hm_index.

Empire will provide incentives of up to \$400 to the Home Energy Raters which will reduce the cost of the home energy audits. The Rater may invoice Empire at the end of the project or for each of the two audits.

Empire will also provide incentives to the builders that will reduce the additional cost of building to ENERGY STAR guidelines. The builder incentive will be in the amount of \$800 and will be paid after the home is declared to be an ENERGY STAR Qualified Home.

AVAILABILITY:

Participation in the ESNH program is open to building contractors of residences and to retailers/dealers who sell modular and manufactured homes that will take service from Empire in its Missouri service territory. It is also available to persons certified as Home Energy Raters.

EVALUATION:

An initial evaluation of the Program based on the first two program years will be conducted during the third program year, unless the CPC approves delaying the evaluation.

PROGRAM FUNDING:

To the extent that the annual Program budget exceeds the total cost expended on the Program during a program year, the excess resources shall be made available for use in the succeeding Program year; however, any unused resources at the end of the fifth year of the Program shall be made available for use in Company's other energy efficiency programs in effect at the end of the fifth year of the ESNH Program. The annual operating budget approved by the CPC for this Program is as follows:

<u>Year</u>	<u>Total Program Budget</u>
2009	\$ 80,000
2010	\$246,400
2011	\$368,280
2012	\$336,800
2013	\$338,800

CANCELLED
June 15, 2011
Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615

FILED
Missouri Public
Service Commission
JE-2009-0667

DATE OF ISSUE March 19, 2009
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE April 20, 2009

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 8i

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8i

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

RESERVED FOR FUTURE USE

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0246

DATE OF ISSUE May 22, 2017 DATE EFFECTIVE June 1, 2017
ISSUED BY Chris Krygier, Director – Rates and Regulatory Affairs, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8i
Canceling P.S.C. Mo. No. Sec. Original Sheet No.
For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

J. Home Performance with ENERGY STAR®

APPLICATION:

This program is designed to increase the awareness of the opportunities for benefits to existing homes through audits which lead to improvements ranging from improved levels of insulation to decreased air leakage. The Empire District Electric Company's ("Empire" or "Company") participation in such education and financial incentives is limited to the resources allocated for that purpose and approved by the Customer Program Collaborative ("CPC") pursuant to the Stipulation and Agreement approved by the Missouri Public Service Commission ("Commission") in Case No. EO-2005-0263.

DEFINITIONS:

Administrator. The Home Performance with ENERGY STAR ("HPwES" or "Program") program will be administered by Empire.

Assessment. An initial energy evaluation of the home that includes observation of lighting and appliances as well as performance testing of the ventilation and mechanical systems, building tightness, and insulation levels that will result in a scope of work outlining recommended energy efficiency improvements. All improvements performed will be verified through a second evaluation after completion.

Consultant. Third party companies certified to perform the HPwES Assessment and provide a scope of work to the Customer detailing the recommended improvements.

Contractor. Third party companies certified to perform the HPwES Assessment, provide a scope of work to the Customer detailing the recommended improvements and may be used to complete the implementation of the specified improvements.

HPwES. A national program from the U.S. Environmental Protection Agency ("EPA") and U.S. Department of Energy ("DOE") offers a comprehensive, whole-house approach to improving energy efficiency and comfort at home, while helping to protect the environment. The Company is implementing the national program locally under the sponsorship of the Missouri Department of Natural Resources ("MDNR").

Qualifying Improvements. Energy efficiency changes applied to the home to eliminate air leaks, add insulation, seal ductwork, and improve windows and doors.

TERMS AND CONDITIONS:

Additional program details may be found at www.energystar.gov and clicking on Home Performance with ENERGY STAR in the Home Improvement section and at www.dnr.mo.gov/homeperformance the web site for the Missouri Home Performance Program of the Missouri Department of Natural Resources.

AVAILABILITY:

The HPwES program may be applied to any home, multiplex, or apartment where the current resident is receiving service under any generally available residential rate schedule offered by the Company. All Assessments must be requested by the owner of the home or property. Program rebates are limited to one rebate per Assessment. The Company reserves the right to modify or terminate this Program at any time, subject to Commission approval.

PROGRAM PROCESS:

- 1.) The Company will promote the Program to residential Customers through mediums that may include press releases, direct mailings, bill messages, bill inserts, and web site materials.
- 2.) Interested Customers will contact the Company through email, by phone, or by accessing the web site to gain additional information regarding the Program.
- 3.) Customers will be given an option of selecting:
 - a. A Contractor who will perform the Assessment and is capable of installing the improvements, or
 - b. A Consultant who will perform the Assessment only.
- 4.) The Contractor/Consultant will perform the Assessment and communicate the results to the Customer through a scope of work statement. The scope of work will include a list of recommended energy efficiency improvements.
- 5.) Customers who choose the Contractor may work with that Contractor to complete the improvements specified by the Customer.

CANCELLED
June 1, 2017
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0246

FILED
Missouri Public
Service Commission
JE-2010-0061

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 8j

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 8j

For ALL TERRITORY

PROMOTIONAL PRACTICES SCHEDULE PRO

RESERVED FOR FUTURE USE

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0246

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 8j

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8j

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

J. Home Performance with ENERGY STAR® (continued)

- 6.) Customers who choose the Consultant will select a contractor to be retained to complete the improvements specified by the Customer.
- 7.) Following the implementation of the improvements and at no additional cost to the Customer, the Contractor/Consultant will conduct a second Assessment to verify the work.
- 8.) Customers that choose to implement at least one of the recommended Qualifying Improvements may request from the Company a rebate of \$400 toward the cost of the Assessment and Qualifying Improvements .
- 9.) Qualifying Improvements exclude improvements associated with existing Company Programs. (i.e. High Efficiency Central A/C Program,) or improvements related to natural gas-only equipment.
- 10.) Customers will be required to complete a rebate request, available from the Contractor/Consultant or the company website, and submit a copy of the invoices associated with the Assessment and Qualifying Improvement(s).

EVALUATION:

Process and impact evaluations of the Program based on the first two program years will be conducted during the third program year, unless the CPC approves delaying the evaluation.

PROGRAM FUNDING:

To the extent that the annual Program budget exceeds the total cost expended on the Program during a program year, the excess resources shall be made available for use in the succeeding Program year; however, any unused resources at the end of 2014 shall be made available for use in Company's other energy efficiency programs in effect at the end of 2014. The annual operating budget approved by the CPC for this Program is as follows:

<u>Year</u>	<u>Total Program Budget</u>
2010	\$ 95,500
2011	\$115,000
2012	\$115,000
2013	\$115,000

CANCELLED
June 1, 2017
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0246

DATE OF ISSUE June 3, 2011
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 15, 2011

FILED
Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 8j
 Canceling P.S.C. Mo. No. _____ Sec. _____ Original Sheet No. _____
 For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO

- 6.) Customers who choose the Consultant will select a contractor to be retained to complete the improvements specified by the Customer.
- 7.) Following the implementation of the improvements and at no additional cost to the Customer, the Contractor/Consultant will conduct a second Assessment to verify the work.
- 8.) Customers that choose to implement at least one of the recommended Qualifying Improvements may request from the Company a rebate of \$400 toward the cost of the Assessment and Qualifying Improvements .
- 9.) Qualifying Improvements exclude improvements associated with existing Company Programs. (i.e. High Efficiency Central A/C Program,) or improvements related to natural gas-only equipment.
- 10.) Customers will be required to complete a rebate request, available from the Contractor/Consultant or the company website, and submit a copy of the invoices associated with the Assessment and Qualifying Improvement(s).

EVALUATION:

Process and impact evaluations of the Program based on the first two program years will be conducted during the third program year, unless the CPC approves delaying the evaluation.

PROGRAM FUNDING:

To the extent that the annual Program budget exceeds the total cost expended on the Program during a program year, the excess resources shall be made available for use in the succeeding Program year; however, any unused resources at the end of the fifth year of the Program shall be made available for use in Company's other energy efficiency programs in effect at the end of the fifth year of the HPwES Program. The annual operating budget approved by the CPC for this Program is as follows:

<u>Year</u>	<u>Total Program Budget</u>
2009	\$ 54,500
2010	\$ 95,500
2011	\$120,600
2012	\$116,500
2013	\$115,000

CANCELLED
June 15, 2011
Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615

FILED
Missouri Public
Service Commission
JE-2010-0061

DATE OF ISSUE July 29, 2009
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE August 28, 2009

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 6th Revised Sheet No. 9

Canceling P.S.C. Mo. No. 5 Sec. 4 5th Revised Sheet No. 9

For ALL TERRITORY

RESERVED FOR FUTURE USE

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE June 3, 2011
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 15, 2011 **FILED**

Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 5th Revised Sheet No. 9
Canceling P.S.C. Mo. No. 5 Sec. 4 4th Revised Sheet No. 9
For ALL TERRITORY

EXPERIMENTAL LOW-INCOME PROGRAM ("ELIP")

APPLICATION:

This Experimental Low-Income Program is applicable for service billed under Schedule RG, Residential Service, to qualified customers. The ELIP will, on a pilot basis, provide up to 1,000 participants with a fixed credit on their monthly bill (ELIP credit). Customers participating in the ELIP program shall receive the credit for a period up to 12 months from the billing cycle designated by the Company (EDE) as the participants first month until the billing cycle designated as the participants last for ELIP. At the end of the 12 month period, a customer may reapply to participate further in the program. This experimental program was approved by the Missouri PSC in Case Nos. ER-2002-0424, ER-2006-0315, and ER-2008-0093.

DEFINITIONS:

Qualified Customer – An EDE customer receiving service under Schedule RG who is classified as low-income by the Missouri Department of Social Service criteria and whose annual household income is no greater than 125% of the federal poverty level, as established by the poverty guidelines updated periodically in the Federal Register by the U.S. Department of Health and Services under the authority of 42 U.S.C. 9902 (2).

Applicant – A qualified customer who submits an ELIP application form for the ELIP credit.

Participant - An applicant who agrees to the terms of the ELIP and is accepted by EDE.

Program Funds – As agreed in the Third Stipulation and Agreement in Case No. ER-2008-0093, one-half of the unspent program funds identified on the effective date of rates in said case will fund the program through the effective date of rates in the later 2 rate case as specified in the Regulatory Plan Stipulation and Agreement, Case No. EO-2005-0263 (later 2 case). The remaining balance of excess ELIP funds, whether a plus or minus, will become an offset to the CPC regulatory asset balance to be used for demand side management and low income programs approved by the Commission.

Agencies- The social service agencies serving EDE's service territory that qualify and assist ELIP customers pursuant to written contract between EDE and the Agencies.

AVAILABILITY:

Service under this rate schedule shall be available to up to one thousand participants in the EDE service area who satisfy the following eligibility requirements:

- 1. Participant must be an EDE residential customer receiving service under the RG rate.
2. Participant's annual household income must be verified initially, and annually thereafter, as being no greater than 125 percent (125%) of the federal poverty level.
3. For purposes of determining the level of the ELIP credit to be received, the participants will be categorized as follows:
a. Group A – Participants whose annual income has been verified as being from 0 to 50 percent (0% - 50%) of the federal poverty level.
b. Group B – Participants whose annual income has been verified as being from 51 to 125 percent (51% - 125%) of the federal poverty level.
4. Participants shall be required to enroll in EDE's Average Payment Plan, (Rider AP) with adjustments to said plan limited to once per year.
5. Participants who have outstanding arrearages shall enter special pay agreements through which the arrearages shall be paid over a period of 12 to 24 months as mutually agreed to by both the Participant and the Company.

CANCELLED June 15, 2011 Missouri Public Service Commission ER-2011-0004; YE-2011-0615

FILED Missouri Public Service Commission

DATE OF ISSUE August 6, 2008 DATE EFFECTIVE September 5, 2008 August 23, 2008
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 4th Revised Sheet No. 9

Canceling P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 9

For ALL TERRITORY

EXPERIMENTAL LOW-INCOME PROGRAM
("ELIP")

APPLICATION:

This Experimental Low-Income Program is applicable for service billed under Schedule RG, Residential Service, to qualified customers. The ELIP will, on a pilot basis, provide up to 1,000 participants with a fixed credit on their monthly bill (ELIP credit). Customers participating in the ELIP program shall receive the credit for a period up to 12 months from the billing cycle designated by the Company (EDE) as the participants first month until the billing cycle designated as the participants last for ELIP. At the end of the 12 month period, a customer may reapply to participate further in the program. This experimental program was approved by the Missouri PSC in Case Nos. ER-2002-0424 and ER-2006-0315.

DEFINITIONS:

Qualified Customer – An EDE customer receiving service under Schedule RG who is classified as low-income by the Missouri Department of Social Service criteria and whose annual household income is no greater than 125% of the federal poverty level, as established by the poverty guidelines updated periodically in the Federal Register by the U.S. Department of Health and Services under the authority of 42 U.S.C. 9902 (2).

Applicant – A qualified customer who submits an ELIP application form for the ELIP credit.

Participant - An applicant who agrees to the terms of the ELIP and is accepted by EDE.

Program Funds – Annual ratepayer funding for the ELIP is \$150,000.00 based upon the Unanimous Stipulation and Agreement in Case No. ER-2002-0424. Ratepayer funding shall be matched dollar for dollar by EDE. The \$300,000.00 annual sum of ratepayer funding and the EDE matching funds shall be the "program funds".

Agencies- The social service agencies serving EDE's service territory that qualify and assist ELIP customers pursuant to written contract between EDE and the Agencies.

AVAILABILITY:

Service under this rate schedule shall be available to up to one thousand participants in the EDE service area who satisfy the following eligibility requirements:

1. Participant must be an EDE residential customer receiving service under the RG rate.
2. Participant's annual household income must be verified initially, and annually thereafter, as being no greater than 125 percent (125%) of the federal poverty level.
3. For purposes of determining the level of the ELIP credit to be received, the participants will be categorized as follows:
 - a. Group A – Participants whose annual income has been verified as being from 0 to 50 percent (0% - 50%) of the federal poverty level.
 - b. Group B – Participants whose annual income has been verified as being from 51 to 125 percent (51% - 125%) of the federal poverty level.
4. Participants shall be required to enroll in EDE's Average Payment Plan, (Rider AP) with adjustments to said plan limited to once per year.
5. Participants who have outstanding arrearages shall enter special pay agreements through which the arrearages shall be paid over a period of 12 to 24 months as mutually agreed to by both the Participant and the Company.

CANCELLED
August 23, 2008
Missouri Public
Service Commission

DATE OF ISSUE December 28, 2006
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE January 27, 2007
December 14, 2007

ER-2006-0315

Filed
Missouri Public
Service Commission

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 3rd Revised Sheet No. 9
Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

Sec. 4 2nd Revised Sheet No. 9
Which was issued 11-25-96

**EXPERIMENTAL LOW-INCOME PROGRAM
("ELIP")**

APPLICATION:

This Experimental Low-Income Program is applicable for service billed under Schedule RG, Residential Service, to qualified customers. The ELIP will, on a pilot basis, provide up to 1,000 participants with a fixed credit on their monthly bill (ELIP credit). Customers participating in the ELIP program shall receive the credit for a period up to 12 months from the billing cycle designated by the Company (EDE) as the participants first month until the billing cycle designated as the participants last for ELIP. At the end of the 12 month period, a customer may reapply to participate further in the program. This experimental program was approved by the Missouri PSC in Case No. ER-2002-424.

DEFINITIONS:

Qualified Customer - An EDE customer receiving service under Schedule RG who is classified as low-income by the Missouri Department of Social Service criteria and whose annual household income is no greater than 100% of the federal poverty level, as established by the poverty guidelines updated periodically in the Federal Register by the U.S. Department of Health and Services under the authority of 42 U.S.C. 9902 (2).

Applicant - A qualified customer who submits an ELIP application form for the ELIP credit.

Participant - An applicant who agrees to the terms of the ELIP and is accepted by EDE.

Program Funds - Annual ratepayer funding for the ELIP is \$150,000.00 based upon the Unanimous Stipulation and Agreement in Case No. ER-2002-424. Ratepayer funding shall be matched dollar for dollar by EDE. The \$300,000.00 annual sum of ratepayer funding and the EDE matching funds shall be the "program funds".

Agencies- The social service agencies serving EDE's service territory that qualify and assist ELIP customers pursuant to written contract between EDE and the Agencies.

AVAILABILITY:

Service under this rate schedule shall be available to up to one thousand participants in the EDE service area who satisfy the following eligibility requirements:

1. Participant must be an EDE residential customer receiving service under the RG rate.
2. Participant's annual household income must be verified initially, and annually thereafter, as being no greater than 100 percent of the federal poverty level.
3. For purposes of determining the level of the ELIP credit to be received, the participants will be categorized as follows:
 - a. Group A - Participants whose annual income has been verified as being from 0 to 50 percent of the federal poverty level.
 - b. Group B - Participants whose annual income has been verified as being from 51 to 100 percent of the federal poverty level.
4. Participants shall be required to enroll in EDE's Average Payment Plan, (Rider AP) with adjustments to said plan limited to once per year.
5. Participants who have outstanding arrearages shall enter special pay agreements through which the arrearages shall be paid over a period of 12 to 24 months as mutually agreed to by both the Participant and the Company.

CANCELLED
1/1/2007 & 12/14/07
ER-2006-0315
Missouri Public
Service Commission

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION
THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5

Sec. 4 2nd Revised Sheet No. 9
Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY
No supplement to this tariff will be issued except
for the purpose of cancelling this tariff.

Sec. 4 1st Revised Sheet No. 9
Which was issued 02-03-94



RECEIVED

NOV 21 1996

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MISSOURI
Public Service Commission

CANCELLED

APR 30 2003
By 3rd RS 9
Public Service Commission
MISSOURI

FILED

DEC 25 1996

MO. PUBLIC SERVICE COMM

CANCELLED

THE EMPIRE DISTRICT ELECTRIC COMPANY

DEC 21 1996

Sec. 4 1st Revised Sheet No. 9
Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY

No supplement to this tariff will be issued, except for the purpose of cancelling this tariff.

2nd RS 9
Service Commission

Sec. 4 Original Sheet No. 9
Which was issued 201996

RECEIVED

**THERMAL ENERGY STORAGE PILOT PROGRAM
SCHEDULE TES**

JAN 28 1994

APPLICATION:

This rate schedule provides for the payment of monetary incentives to new or existing customers of the Company to encourage the installation and use of Thermal Energy Storage systems as a pilot program to test the cost effectiveness of Thermal Energy Storage (TES) against the Company's supply side options. TES systems can reduce the Company's system peak loads and shift loads from the Company's on-peak to off-peak periods.

**MISSOURI
Public Service Commission**

On-peak hours for purposes of this schedule shall be weekdays, excluding holidays, from 11:00 a.m. through 7:00 p.m. during the summer season. All other hours are off-peak. The summer season for purposes of this schedule shall be the first four monthly billing periods billed on and after June 16, and the winter season for purposes of this schedule shall be the remaining eight monthly billing periods of the calendar year.

AVAILABILITY:

This program is available until \$75,000 is expended in calendar year 1994, and an amount to be budgeted is spent in calendar year 1995.

The Company will discuss this program and provide general technical assistance in regard to the program to all new or existing Customers who either contact the Company and express an interest in Thermal Energy Storage (TES), or are identified by the Company as having a reasonable potential to benefit from TES. The Company's assistance will be uniformly offered to all such Customers meeting the criteria set out in this schedule.

A TES system, for purposes of this schedule, is defined as a system which uses heating, ventilation, and air conditioning equipment and a storage vessel to perform chiller operations during off-peak hours of the Company, in which the storage vessel is designed to fully charge during said off-peak hours, and the resulting operation of the system reduces the Customer's on-peak demand as predicted by a feasibility study.

Using facts supplied by the Customer and its own information, the Company will perform a preliminary screening analysis to determine if a formal feasibility study would be economically warranted for a TES system as a cost-effective alternative to a conventional cooling system at the Customer's premises. If the Company determines a formal feasibility study is warranted, and the Customer executes an agreement with the Company to have such a study performed under the specified criteria, the Company will participate in funding the study to the extent permitted by this schedule.

If a TES system is installed and on-peak demand reductions are achieved by the Company as a result, the Company will make additional payments to the Customer as provided in this schedule, commensurate with the proven on-peak demand reductions.

FEASIBILITY STUDY REQUIREMENTS AND PAYMENT PROVISIONS:

If the Company's preliminary screening indicates a reasonable potential to achieve the goals of the program, based upon both subjective and objective criteria, and based upon the judgment of the Company, the Company shall offer to partially fund a formal feasibility study by a registered professional engineering or architectural firm. To qualify for the partial funding, the Customer is required to execute the form of agreement set out on sheet no. 11. The amount to be paid by the Company shall be determined on the basis of the on-peak demand reduction anticipated by the installation of such a system, as identified by the feasibility study. The Company will pay \$500 toward the total cost of a study which identifies an on-peak reduction between 1 and 25 kW; \$1,000 for reduction of 26 to 100 kW; and \$1,500 for reduction of 101 kW or more. The Company's decision as to the amount of peak reduction identified by the study for these purposes shall be final. The Company shall be entitled to review a final draft of the study to provide comments thereon, and to meet with the professional performing the study. Four copies of the final study shall be provided to the Company. Payment by the Company to the contractor performing the study shall be made after presentation to the

FILED

MAR 5 1994

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 Original Sheet No. 9
Cancelling P.S.C. Mo. No. _____

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

Sec. _____ Revised Sheet No. _____
Which was issued **RECEIVED**

THERMAL ENERGY STORAGE PILOT PROGRAM SEP 07 1993
SCHEDULE TES

**MISSOURI
Public Service Commission**

APPLICATION:

This rate schedule provides for the payment of monetary incentives to new or existing qualified Customers of the Company to encourage the installation and use of Thermal Energy Storage systems as a pilot program to test the cost effectiveness of Thermal Energy Storage (TES) against the Company's supply side options. TES systems can reduce the Company's system peak loads and shift loads from the Company's on-peak to off-peak periods.

On-peak hours for purposes of this schedule shall be weekdays, excluding holidays, from 11:00 a.m. through 7:00 p.m. during the summer season. All other hours are off-peak. The summer season for purposes of this schedule shall be the first four monthly billing periods billed on and after June 16, and the winter season for purposes of this schedule shall be the remaining eight monthly billing periods of the calendar year.

AVAILABILITY:

This program is available until \$50,000 is expended in calendar year 1994, and an amount to be budgeted is spent in calendar year 1995.

The Company will discuss this program and provide general technical assistance in regard to the program to all new or existing Customers who either contact the Company and express an interest in Thermal Energy Storage (TES), or are identified by the Company as having a reasonable potential to benefit from TES. The Company's assistance will be uniformly offered to all such Customers meeting the criteria set out in this schedule.

A TES system, for purposes of this schedule, is defined as a system which uses heating, ventilation, and air conditioning equipment and a storage vessel to perform chiller operations during off-peak hours of the Company, in which the storage vessel is designed to fully charge during said off-peak hours, and the resulting operation of the system reduces the Customer's on-peak demand as predicted by a feasibility study.

Using facts supplied by the Customer and its own information, the Company will perform a preliminary screening analysis to determine if a formal feasibility study would be economically warranted for a TES system as a cost-effective alternative to a conventional cooling system at the Customer's premises. If the Company determines a formal feasibility study is warranted, and the Customer executes an agreement with the Company to have such a study performed under the specified criteria, the Company will participate in funding the study to the extent permitted by this schedule.

If a TES system is installed and on-peak demand reductions are achieved by the Company as a result, the Company will make additional payments to the Customer as provided in this schedule, commensurate with the proven on-peak demand reductions.

FEASIBILITY STUDY REQUIREMENTS AND PAYMENT PROVISIONS:

If the Company's preliminary screening indicates a reasonable potential to achieve the goals of the program, based upon both subjective and objective criteria, and based upon the judgment of the Company, the Company shall offer to partially fund a formal feasibility study by a registered professional engineering or architectural firm. To qualify for the partial funding, the Customer is required to execute the form of agreement set out on sheet no. 11. The amount to be paid by the Company shall be determined on the basis of the on-peak demand reduction anticipated by the installation of such a system, as identified by the feasibility study. The Company will pay \$500 toward the total cost of a study which identifies an on-peak reduction between 1 and 25 kW; \$1,000 for reduction of 26 to 100 kW; and \$1,500 for reduction of 101 kW or more. The Company's decision as to the amount of peak reduction identified by the study for these purposes shall be final. The Company shall be entitled to review a final draft of the study, to provide comment thereon, and to meet with the professional performing the study. Four copies of the final study shall be provided to the Company. Payment by the Company to the contractor performing the study shall be made as a condition to the

CANCELLED
MAR 5 1994
BY Jan K.S.
Public Service Commission
MISSOURI

FILED
DEC 6 1993

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 4th Revised Sheet No. 10

Canceling P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 10

For ALL TERRITORY

RESERVED FOR FUTURE USE

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE June 3, 2011
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 15, 2011 **FILED**

**Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615**

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 10

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 10

For ALL TERRITORY

EXPERIMENTAL LOW-INCOME PROGRAM
("ELIP")

- 6. Participants must provide, via an interview or questionnaire, information related to their energy use and program participation. Any information provided in these interviews or questionnaires that is later made public will not be associated with the participant's name.
- 7. Any provision of the Company's rules and regulations applicable to the Company's RG customers will also apply to ELIP participants.

ENERGY ASSISTANCE:

- 1. Participants who have not previously completed an application for a LIHEAP ("Low-Income Home Energy Assistance Program") grant agree to apply for a LIHEAP grant when such grants become available. EDE, through the Agencies, shall assist ELIP participants with completion of LIHEAP application forms when such assistance is requested.
- 2. Applicants agree to apply for any other available energy assistance programs identified by the Company, including any available weatherization programs.

CREDIT AMOUNT:

Participants shall receive the ELIP credit for so long as the participant continues to meet the ELIP eligibility requirements .

Up to 1,000 participants shall receive the ELIP credit in the following amounts (not to exceed the participant's fixed monthly Rider AP payment):

- Group A – Up to a maximum of \$50 per month.
- Group B – Up to a maximum of \$20 per month.

DISCONTINUANCE AND REINSTATEMENT:

EDE may discontinue a participant's ELIP credit for any of the following reasons:

- 1. If EDE, through the Agencies, determines the participant no longer meets the eligibility requirements set forth in this tariff.
- 2. If the participant submits a written request to EDE asking that the ELIP credit be discontinued.
- 3. If the participant does not conform to EDE's rules and regulations as approved by the Missouri Public Service Commission, and as a result the participant has Schedule RG service discontinued by EDE.

Reinstatement of the ELIP credit following discontinuance in the above circumstances and after the participant again meets the eligibility requirements will be at the discretion of EDE.

If participant voluntarily leaves the ELIP, that customer shall be ineligible for participation in the ELIP for the remainder of the term of this experimental program.

MISAPPLICATION OF THE ELIP CREDIT:

Providing incorrect or misleading information to obtain the ELIP credit shall constitute a misapplication of the ELIP credit. If this occurs EDE may discontinue the ELIP credit and rebill the account for the amount of all ELIP credits received by the participant. Failure to reimburse EDE for the misapplication of the ELIP credits may result in termination of customer's electric service pursuant to EDE's rules and regulations. However, nothing in this experimental tariff shall be interpreted as limiting EDE's rights under any provisions of any applicable law or tariff.

CANCELLED
June 15, 2011
Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615

DATE OF ISSUE December 28, 2006
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE January 27, 2007
December 14, 2007

ER-2006-0315

Filed
Missouri Public
Service Commission

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 2nd Revised Sheet No. 10
Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

Sec. 4 1st Revised Sheet No. 10
Which was issued 11-25-96

**EXPERIMENTAL LOW-INCOME PROGRAM
("ELIP")**

- 6. Participants must provide, via an interview or questionnaire, information related to their energy use and program participation. Any information provided in these interviews or questionnaires that is later made public will not be associated with the participant's name.
- 7. Any provision of the Company's rules and regulations applicable to the Company's RG customers will also apply to ELIP participants.

ENERGY ASSISTANCE:

- 1. Participants who have not previously completed an application for a LIHEAP ("Low-Income Home Energy Assistance Program") grant agree to apply for a LIHEAP grant when such grants become available. EDE, through the Agencies, shall assist ELIP participants with completion of LIHEAP application forms when such assistance is requested.
- 2. Applicants agree to apply for any other available energy assistance programs identified by the Company, including any available weatherization programs.

CREDIT AMOUNT:

Participants will receive the ELIP credit for up to 24 months so long as the participant continues to meet the ELIP eligibility requirements.

Up to 1,000 participants shall receive the ELIP credit in the following amounts (not to exceed the participant's fixed monthly Rider AP payment):

- Group A - Up to a maximum of \$40 per month.
- Group B - Up to a maximum of \$20 per month.

DISCONTINUANCE AND REINSTATEMENT:

EDE may discontinue a participant's ELIP credit for any of the following reasons:

- 1. If EDE, through the Agencies, determines the participant no longer meets the eligibility requirements set forth in this tariff.
- 2. If the participant submits a written request to EDE asking that the ELIP credit be discontinued.
- 3. If the participant does not conform to EDE's rules and regulations as approved by the Missouri Public Service Commission, and as a result the participant has Schedule RG service discontinued by EDE.

Reinstatement of the ELIP credit following discontinuance in the above circumstances and after the participant again meets the eligibility requirements will be at the discretion of EDE.

If participant voluntarily leaves the ELIP, that customer shall be ineligible for participation in the ELIP for remainder of the term of this experimental program.

MISAPPLICATION OF THE ELIP CREDIT:

Providing incorrect or misleading information to obtain the ELIP credit shall constitute a misapplication of the ELIP credit. If this occurs EDE may discontinue the ELIP credit and rebill the account for the amount of all ELIP credits received by the participant. Failure to reimburse EDE for the misapplication of the ELIP credits may result in termination of customer's electric service pursuant to EDE's rules and regulations. However, nothing in this experimental tariff shall be interpreted as limiting EDE's rights under any provisions of any applicable law or tariff.

CANCELLED
1/1/2007 & 12/14/07
ER-2006-0315
Missouri Public
Service Commission

DATE OF ISSUE March 31, 2003
ISSUED BY David W. Gibson, Vice President, Joplin, MO

DATE EFFECTIVE April 30, 2003

Filed
MO PSC

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION
THE EMPIRE DISTRICT ELECTRIC COMPANY

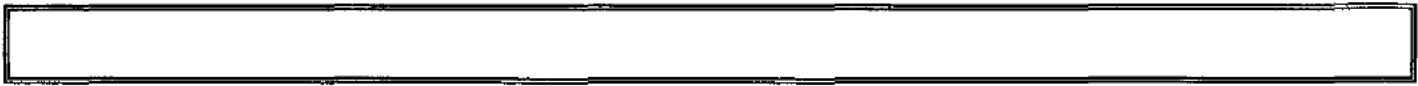
P.S.C. Mo. No. 5

Sec. 4 1st Revised Sheet No. 10
Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY

No supplement to this tariff will be issued except
for the purpose of cancelling this tariff.

Sec. 4 Original Sheet No. 10
Which was issued 12-01-93



RECEIVED

NOV 21 1996

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MISSOURI
Public Service Commission

CANCELLED

APR 30 2003

By *WRS*
Public Service Commission
MISSOURI

FILED

DEC 25 1996

MO. PUBLIC SERVICE COMM

For ALL TERRITORY

DEC 25 1996

No supplement to this tariff will be issued except let RS 10
for the purpose of cancelling this tariff. Service Committee

THERMAL ENERGY STORAGE PILOT PROGRAM
SCHEDULE TES **SEP 07 1993**

Company of the statement for the study. In no event shall the Company be required to pay the total cost of the study. Feasibility studies conducted by equipment manufacturers are not eligible for payment under this schedule. Participation in the feasibility study does not obligate the Customer to proceed with the installation of the equipment. The Company shall not be liable to the Customer or any other person or entity for any damages resulting from the use of the study or reliance on the conclusions or recommendations of the study in an amount greater than the total cost of the study, less the amount funded by the Company.

CONDITIONS AND TERMS OF PAYMENT:

1. If, as a result of the recommendations and conclusions in the feasibility study, the Customer installs the TES system called for, the Company will additionally participate in funding the installation, provided that the Company is allowed to monitor and verify the on-peak demand reductions anticipated by the study in the manner provided herein.
2. Customer shall allow the Company, during normal business hours, to inspect the installation as much as deemed appropriate by the Company and, if determined necessary by the Company, to install and maintain electric meters to monitor the characteristics of the installation. The Company will provide the Customer with billing analyses to verify Customer benefits from the installation. The Company shall be entitled to monitor the performance of the TES installation during its life in order to evaluate its performance under the objectives of this rate schedule.
3. If the feasibility study shows the TES system is a cost-effective alternative to a conventional system, and the Customer and Company agree with that conclusion, and the Customer elects to install the system, the Company will offer to enter into an agreement with the Customer which specifies the amount the Company will make available to support the installation cost of the system and the terms of such payment. The agreement between the Company and the Customer shall be in the form set out on sheet no. 14. The determination of the amount of peak reduction shall be specified in the agreement and made by the Company based upon sound engineering principles and the Company's experience. The amount to be paid to the Customer is as follows:

For peak reduction of 1-500 kW, per kW	\$ 200
For peak reduction of 501 kW or more, per kW for first 500 kW.....	\$ 200
For peak reduction of 501 kW or more, per kW over 500	\$ 125

The total amount payable by the Company per TES project shall be limited to an amount which provides a project payback period of not less than two years.

4. The first of the two Company installments of fifty (50) percent of the total shall be made when, after inspection, the Company determines the system is fully operational and capable of performing as predicted in the feasibility study. The second and final installment shall be made when, after a reasonable operation period during which the system has been monitored by the Company, it is determined by the Company that the system meets or exceeds the specifications set forth by the design engineer, the storage vessel can and does fully charge during off-peak periods of the Company, and the Customer's on-peak demand has been reduced by at least the amount of kW predicted in the feasibility study.
5. The Company shall not be liable to the Customer or any other person or entity for the operation or non-operation of the TES system. Customer shall fully indemnify and hold harmless the Company and its agents from any liability and expenses whatsoever relating to the TES system. Excluded from this indemnity provision are any willful or negligent acts or omissions of the Company that are proven to be the sole cause of any damage.

FILED
DEC 31 1993

MISSOURI
Public Service Commission

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 5th Revised Sheet No. 11

Canceling P.S.C. Mo. No. 5 Sec. 4 4th Revised Sheet No. 11

For ALL TERRITORY



RESERVED FOR FUTURE USE

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE June 3, 2011
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 15, 2011 **FILED**

**Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615**

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 4th Revised Sheet No. 11
Canceling P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 11
For ALL TERRITORY

EXPERIMENTAL LOW-INCOME PROGRAM
("ELIP")

OTHER CONDITIONS:

The ELIP program has been designed so that EDE neither profits from nor incurs losses as a result of offering this experimental program.

Costs of administering the program, including those costs charged by the Agencies, shall be paid from the program funds.

As ordered in Case No. ER-2006-0315, each year \$2,000 shall be earmarked for outreach programs. The Customer Program Collaborative ("CPC") shall be responsible for development and review of the outreach programs.

As ordered in Case No. ER-2006-0315, each year \$30,000 shall be earmarked for an experimental arrearage repayment incentive program. Participation in this experimental arrearage repayment incentive program is contingent upon approval of ELIP funding by the agency seeking to qualify the participant for the ELIP program. The program shall match every two dollars paid by a participant above the monthly deferred payment with one incentive dollar. The maximum annual incentive repayment is \$60 per customer. This payment is in addition to credit amount available to the participant.

The program will not be limited to fewer than 200 participants from Group A and 200 participants from group B.

EDE will gather and maintain participant data on usage, arrears, payments and other relevant factors to be used in the evaluation of the program.

EDE shall make non-confidential data, as well as any and all program evaluations that are conducted, available to the parties to Case No. ER-2002-0424, ER-2006-0315, and ER-2008-0093.

The experimental program may be evaluated in any EDE rate or complaint case. An evaluation shall be conducted prior to the filing of the later 2 rate case by an independent third party evaluator under contract with EDE, that is acceptable to EDE, Commission Staff and the Public Counsel. The costs of the evaluator shall be paid from the program funds.

This Experimental Low-Income Program will continue until the new rates are implemented in the later 2 rate case as specified in the Regulatory Plan Stipulation and Agreement, Case No. EO-2005-0263.

CANCELLED
June 15, 2011
Missouri Public
Service Commission
ER-2011-0004; YE-2011-0615

FILED
Missouri Public
Service Commission

DATE OF ISSUE August 6, 2008 DATE EFFECTIVE September 5, 2008 August 23, 2008
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 11

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 11

For ALL TERRITORY

**EXPERIMENTAL LOW-INCOME PROGRAM
("ELIP")**

OTHER CONDITIONS:

The ELIP program has been designed so that EDE neither profits from nor incurs losses as a result of offering this experimental program.

Costs of administering the program, including those costs charged by the Agencies, shall be paid from the program funds.

As ordered in Case No. ER-2006-0315, each year \$2,000 shall be earmarked for outreach programs. The Customer Program Collaborative shall be responsible for development and review of the outreach programs.

As ordered in Case No. ER-2006-0315, each year \$30,000 shall be earmarked for an experimental arrearage repayment incentive program. Participation in this experimental arrearage repayment incentive program is contingent upon approval of ELIP funding by the agency seeking to qualify the participant for the ELIP program. The program shall match every two dollars paid by a participant above the monthly deferred payment with one incentive dollar. The maximum annual incentive repayment is \$60 per customer. This payment is in addition to credit amount available to the participant.

Participation may be limited so that the projected expenditures of the program should equal the projected revenue from the program funds; however, the program will not be limited to fewer than 200 participants from Group A and 200 participants from group B.

EDE will gather and maintain participant data on usage, arrears, payments and other relevant factors to be used in the evaluation of the program.

EDE shall make non-confidential data, as well as any and all program evaluations that are conducted, available to the parties to Case No. ER-2002-0424 and ER-2006-0315.

The experimental program may be evaluated in any EDE rate or complaint case. The evaluation shall be conducted by an independent third party evaluator under contract with EDE, that is acceptable to EDE, Commission Staff and the Public Counsel. The costs of the evaluator shall be paid from the program funds.

If any program funds in excess of actual program expenses remain at the end of the ELIP program, EDE shall redirect the excess funds to tariffed demand-side management programs based on the Report and Order from Case No. ER-2006-0315.

CANCELLED
August 23, 2008
Missouri Public
Service Commission

DATE OF ISSUE December 28, 2006
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE January 27, 2007
December 14, 2007

ER-2006-0315

Filed
Missouri Public
Service Commission

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 2nd Revised Sheet No. 11
Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

Sec. 4 1st Revised Sheet No. 11
Which was issued 11-25-96

EXPERIMENTAL LOW-INCOME PROGRAM
("ELIP")

OTHER CONDITIONS:

The ELIP program has been designed so that EDE neither profits from nor incurs losses as a result of offering this experimental program.

Costs of administering the program, including those costs charged by the Agencies, shall be paid from the program funds.

Participation may be limited so that the projected expenditures of the program should equal the projected revenue from the program funds; however, the program will not be limited to fewer than 200 participants from Group A and 200 participants from group B.

EDE will gather and maintain participant data on usage, arrears, payments and other relevant factors to be used in the evaluation of the program.

EDE shall make non-confidential data, as well as any and all program evaluations that are conducted, available to the parties to Case No. ER-2002-424.

Pursuant to a Unanimous Stipulation and Agreement in Case No. ER-2002-424, this experimental program may be evaluated in EDE's next rate or complaint case, but in any event, an evaluation of the effectiveness of the first two years of this experiment shall be initiated no later than thirty (30) months from the date that these tariff sheets become effective. The evaluation shall be conducted by an independent third party evaluator under contract with EDE, that is acceptable to EDE, Commission Staff and the Public Counsel. The costs of the evaluator shall be paid from the program funds.

If any program funds in excess of actual program expenses remain at the end of the ELIP program and evaluation, EDE shall contribute the excess funds to Project Help.

CANCELLED
1/1/2007 & 12/14/07
ER-2006-0315
Missouri Public
Service Commission

DATE OF ISSUE March 31, 2003
ISSUED BY David W. Gibson, Vice President, Joplin, MO

DATE EFFECTIVE April 30, 2003

Filed
MO PSC

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION
THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5

Sec. 4 1st Revised Sheet No. 11
Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY
No supplement to this tariff will be issued except
for the purpose of cancelling this tariff.

Sec. 4 Original Sheet No. 11
Which was issued 12-01-93

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MISSOURI
Public Service Commission

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APR 30 2003

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Public Service Commission
MISSOURI

FILED

DEC 25 1996

MO. PUBLIC SERVICE COMM

Sec. 4 Original Sheet No. 11
Cancelling P.S.C. Mo. No. _____

For ALL TERRITORY
No supplement to this tariff will be issued except
for the purpose of cancelling this tariff.

Sec. _____ Revised Sheet No. _____
Which was issued _____

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**AGREEMENT FOR PRODUCTION AND FUNDING OF
FEASIBILITY STUDY FOR THERMAL ENERGY STORAGE PROJECT**

SEP 07 1993

This is an agreement between The Empire District Electric Company ("Company"), MISSOURI
("Customer"), with a facility located or to be located at Public Service Commission
receive electric service from Company, and _____ ("Consulting Firm") dated as of
_____, 1993.

Company is authorized by its Missouri tariffs to partially fund a feasibility study for a Thermal Energy Storage ("TES") system, as provided in PSC Mo No. 5, Original Sheet Nos. 9 - 14, a copy of which is attached as Attachment A, and incorporated by reference.

In accordance with the mutual promises and the approved tariffs, the parties agree as follows:

1. Consulting Firm will produce a feasibility study ("the study") by (date), the objective of which is to examine the cost effectiveness of a TES system at the Facility. The cost of the study will be \$ _____. Particular emphasis will be placed on holding incremental capital costs to a minimum and on optimizing system design to achieve maximum electric demand shift to the Company's off-peak hours. The Company has the right to review and approve all system designs and engineering assumptions.
2. The guidelines on study preparation shown in Attachment B present the general form in which the study should be developed.
3. The Company, upon request, will provide Consulting Firm with technical assistance, billing information, or perform a billing analysis for the study, if such billing information is available. Customer hereby consents to the Company providing such information to Consulting Firm. Consulting Firm is required to keep Customer-specific information confidential and not provide it to any other person or corporation.
4. If the study is performed in accordance with the guidelines and the applicable tariffs, Company, upon being presented with a copy of the statement for the entire study, will pay Consulting Firm the sum of \$ _____. Customer shall be responsible for the remainder of the cost of the study.
5. The performance of the study shall not obligate any party to install equipment recommended by the study or take any further action in response to the study.

THE EMPIRE DISTRICT ELECTRIC COMPANY

By: _____

(Customer)

By: _____

(Consulting Firm)

By: _____

CANCELLED

DEC 25 1996

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service Commission

FILED

DEC 31 1993

MISSOURI
Public Service Commission

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 7th Revised Sheet No. 12

Canceling P.S.C. Mo. No. 5 Sec. 4 6th Revised Sheet No. 12

For ALL TERRITORY

NET METERING RIDER
RIDER NM

AVAILABILITY:

Electric service is available under this schedule at points on the Company's existing distribution facilities located within its service area for customers operating renewable fuel source generators.

Applicable to Customer-Generators with a Company approved interconnection agreement. This schedule is not applicable where the Customer's electrical generating system exceeds 100 kW.

The net metering service shall be available to Customer-Generators on a first-come, first-serve basis until the total rated generating capacity of net metering systems equals 5% of the Company's single-hour peak load during the previous year. Resale electric service will not be supplied under this schedule.

DEFINITIONS:

Customer-Generator:

The owner or operator of a qualified electric energy generation unit that meets all of the following criteria:

- a. Is powered by a renewable energy resource;
- b. Has an electrical generating system with a capacity of not more than one hundred fifty kilowatts;
- c. Is located on a premises owned, operated, leased, or otherwise controlled by the Customer-Generator;
- d. Is interconnected and operated in parallel phase and synchronization with the Company;
- e. Is intended primarily to offset part or all of the Customer-Generator's own electrical energy requirements;
- f. Meets all applicable safety, performance, interconnection, and reliability standards established by the National Electrical Code, the National Electrical Safety Code, the Institute of Electrical and Electronic Engineers and any local governing authorities; and
- g. Contains a mechanism that automatically disables the unit and interrupts the flow of electricity back onto the Company's electricity lines in the event that the service to the Customer-Generator is interrupted.

Renewable Energy Resources:

Electrical energy produced from wind, solar thermal sources, hydroelectric sources, photovoltaic cells and panels, fuel cells using hydrogen produced by ones of the above-named electrical energy sources, and other sources of energy that become available, and are certified as renewable by the Missouri Department of Natural Resources or the Missouri Department of Economic Development's Division of Energy.

CHARACTER OF SERVICE:

Alternating current, 60 cycles, at the voltage and phase of the Company's established secondary distribution system serving the Customer-Generator's premise.

BILLING AND PAYMENT:

The Company shall render a bill for net consumption at approximately 30-day intervals based on the Company's regular tariff schedules as on file with the Missouri Public Service Commission. Net consumption is defined as the kWh supplied by the Company to the Customer-Generator minus kWh supplied by the Customer-Generator and returned to the Company's grid during the billing month. Any net consumption shall be valued monthly as follows

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038;
YE-2021-0041

DATE OF ISSUE July 27, 2018 DATE EFFECTIVE August 28, 2018
ISSUED BY Christopher D. Krygier, Director, Rates & Regulatory Affairs, Joplin, MO

FILED
Missouri Public
Service Commission
JE-2019-0010

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 6th Revised Sheet No. 12

Canceling P.S.C. Mo. No. 5 Sec. 4 5th Revised Sheet No. 12

For ALL TERRITORY

NET METERING RIDER
RIDER NM

AVAILABILITY:

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- c. Is located on a premises owned, operated, leased, or otherwise controlled by the Customer-Generator;
- d. Is interconnected and operated in parallel phase and synchronization with the Company;
- e. Is intended primarily to offset part or all of the Customer-Generator's own electrical energy requirements;
- f. Meets all applicable safety, performance, interconnection, and reliability standards established by the National Electrical Code, the National Electrical Safety Code, the Institute of Electrical and Electronic Engineers and any local governing authorities; and
- g. Contains a mechanism that automatically disables the unit and interrupts the flow of electricity back onto the Company's electricity lines in the event that the service to the Customer-Generator is interrupted.

Renewable Energy Resources:

Electrical energy produced from wind, solar thermal sources, hydroelectric sources, photovoltaic cells and panels, fuel cells using hydrogen produced by ones of the above-named electrical energy sources, and other sources of energy that become available, and are certified as renewable by the Missouri Department of Natural Resources or the Missouri Department of Economic Development's Division of Energy.

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BILLING AND PAYMENT:

The Company shall render a bill for net consumption at approximately 30-day intervals based on the Company's regular tariff schedules as on file with the Missouri Public Service Commission. Net consumption is defined as the kWh supplied by the Company to the Customer-Generator minus kWh supplied by the Customer-Generator and returned to the Company's grid during the billing month. Any net consumption shall be valued monthly as follows

CANCELLED
August 28, 2018
Missouri Public
Service Commission
JE-2019-0010

DATE OF ISSUE February 23, 2017 DATE EFFECTIVE March 25, 2017 **FILED**
ISSUED BY Chris Krygier, Director Planning & Regulatory **Missouri Public
Service Commission
JE-2017-0166**

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 5th Revised Sheet No. 12

Canceling P.S.C. Mo. No. 5 Sec. 4 4th Revised Sheet No. 12

For ALL TERRITORY

NET METERING RIDER
RIDER NM

AVAILABILITY:

Electric service is available under this schedule at points on the Company's existing distribution facilities located within its service area for customers operating renewable fuel source generators.

Applicable to Customer-Generators with a Company approved interconnection agreement. This schedule is not applicable where the Customer's electrical generating system exceeds 100 kW.

The net metering service shall be available to Customer-Generators on a first-come, first-serve basis until the total rated generating capacity of net metering systems equals 5% of the Company's single-hour peak load during the previous year. Resale electric service will not be supplied under this schedule.

DEFINITIONS:

Customer-Generator:

The owner of a qualified electric energy generation unit which:

- a. Is powered by a renewable energy resource;
- b. Has an electrical generating system with a capacity of not more than one hundred kilowatts;
- c. Is located on a premises owned, operated, leased, or otherwise controlled by the Customer-Generator;
- d. Is interconnected and operated in parallel phase and synchronization with the Company;
- e. Is intended primarily to offset part or all of the Customer-Generator's own electrical energy requirements;
- f. Meets all applicable safety, performance, interconnection, and reliability standards established by the National Electrical Code, the National Electrical Safety Code, the Institute of Electrical and Electronic Engineers and any local governing authorities; and
- g. Contains a mechanism that automatically disables the unit and interrupts the flow of electricity back onto the Company's electricity lines in the event that the service to the Customer-Generator is interrupted.

Renewable Energy Resources:

Electrical energy produced from wind, solar thermal sources, hydroelectric sources, photovoltaic cells and panels, fuel cells using hydrogen produced by ones of the above-named electrical energy sources, and other sources of energy that become available, and are certified as renewable by the Missouri Department of Natural Resources.

CHARACTER OF SERVICE:

Alternating current, 60 cycles, at the voltage and phase of the Company's established secondary distribution system serving the Customer-Generator's premise.

BILLING AND PAYMENT:

The Company shall render a bill for net consumption at approximately 30-day intervals based on the Company's regular tariff schedules as on file with the Missouri Public Service Commission. Net consumption is defined as the kWh supplied by the Company to the Customer-Generator minus kWh supplied by the Customer-Generator and returned to the Company's grid during the billing month. Any net consumption shall be valued monthly as follows:

CANCELLED
March 25, 2017
Missouri Public
Service Commission
JE-2017-0166

DATE OF ISSUE June 11, 2010
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE July 11, 2010 **FILED**

**Missouri Public
Service Commission
JE-2010-0702**

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 4th Revised Sheet No. 12

Canceling P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 12

For ALL TERRITORY

NET METERING RIDER
RIDER NM

AVAILABILITY:

Electric service is available under this schedule at points on the Company's existing distribution facilities located within its service area for customers operating renewable fuel source generators.

Applicable to Customer-Generators with a Company approved interconnection agreement. This schedule is not applicable where the Customer's electrical generating system exceeds 100 kW.

The net metering service shall be available to Customer-Generators on a first-come, first-serve basis until the total rated generating capacity of net metering systems equals 5% of the Company's single-hour peak load during the previous year. Resale electric service will not be supplied under this schedule.

DEFINITIONS:

Customer-Generator:

The owner of a qualified electric energy generation unit which:

- a. Is powered by a renewable energy resource;
- b. Has an electrical generating system with a capacity of not more than one hundred kilowatts;
- c. Is located on a premises owned, operated, leased, or otherwise controlled by the Customer-Generator;
- d. Is interconnected and operated in parallel phase and synchronization with the Company;
- e. Is intended primarily to offset part or all of the Customer-Generator's own electrical energy requirements;
- f. Meets all applicable safety, performance, interconnection, and reliability standards established by the National Electrical Code, the National Electrical Safety Code, the Institute of Electrical and any local governing authorities; and
- g. Contains a mechanism that automatically disables the unit and interrupts the flow of electricity back onto the Company's electricity lines in the event that the service to the Customer-Generator is interrupted.

Renewable Energy Resources:

Electrical energy produced from wind, solar thermal sources, hydroelectric sources, photovoltaic cells and panels, fuel cells using hydrogen produced by ones of the above-named electrical energy sources, and other sources of energy that become available, and are certified as renewable by the Missouri Department of Natural Resources.

CHARACTER OF SERVICE:

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BILLING AND PAYMENT:

The Company shall render a bill for net consumption at approximately 30-day intervals based on the Company's regular tariff schedules as on file with the Missouri Public Service Commission. Net consumption is defined as the kWh supplied by the Company to the Customer-Generator minus kWh supplied by the Customer-Generator and returned to the Company's grid during the billing month. Any net consumption shall be valued monthly as follows:

CANCELLED
July 11, 2010
Missouri Public
Service Commission
JE-2010-0702

DATE OF ISSUE January 3, 2008 DATE EFFECTIVE February 2, 2008
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 12

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 12

For ALL TERRITORY

NET METERING RIDER
RIDER NM

**INTERCONNECTION APPLICATION /AGREEMENT FOR NET METERING
SYSTEMS WITH A CAPACITY OF 100 KW OR LESS**

For Customers Applying for Interconnection:

If you are interested in applying for interconnection to The Empire District Electric Company's (Empire) electrical system, you should first contact Empire and ask for information related to interconnection of parallel generation equipment to Empire's system and you should understand this information before proceeding with this Application. If you wish to apply for interconnection to Empire's electrical system, please complete sections A, B, C and D, and attach the plans and specifications describing the net metering, parallel generation, and interconnection facilities (hereinafter collectively referred to as the "Customer-Generator's System") and submit them to Empire at:

The Empire District Electric Company
602 Joplin
Joplin, Missouri, 64801

You will be provided with an approval or denial of this Application within ninety (90) days of receipt by Empire. If this Application is denied, you will be provided with the reason(s) for the denial. If this Application is approved and signed by both you and Empire, it shall become a binding contract and shall govern your relationship with Empire.

**For Customers Who Have Received Approval of
Customer-Generator System Plans and Specifications:**

After receiving approval of your Application, it will be necessary to construct the Customer-Generator System in compliance with the plans and specifications described in the Application, complete sections E and F of this Application, and forward this Application to Empire for review and completion of section G at:

The Empire District Electric Company
602 Joplin
Joplin, Missouri, 64801

Empire will complete the utility portion of section G and, upon receipt of a completed Application/Agreement form and payment of any applicable fees, permit interconnection of the Customer-Generator System to Empire's electrical system within fifteen (15) days of receipt by Empire if electric service already exists to the premises, unless Customer-Generator and Empire agree to a later date. Similarly, upon receipt of a completed Application/Agreement form and payment of any applicable fees, if electric service does not exist to the premises, Empire will permit interconnection of the Customer-Generator System to Empire's electrical system no later than fifteen (15) days after service is established to the premises, unless the Customer-Generator and Empire agree to a later date.

**For Customers Who Are Assuming Ownership or Operational
Control of an Existing Customer-Generator System:**

If no changes are being made to the existing Customer-Generator System, complete sections A, D and F of this Application/Agreement and forward to Empire at:

The Empire District Electric Company
602 Joplin
Joplin, Missouri, 64801

Empire will review the new Application/Agreement and shall approve such, within fifteen (15) days of receipt by Empire if the new Customer-Generator has satisfactorily completed Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. There are no fees or charges for the Customer-Generator who is assuming ownership or operational control of an existing Customer-Generator System if no modifications are being proposed to that System.

DATE OF ISSUE December 28, 2006
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE January 27, 2007
December 14, 2007

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 2nd Revised Sheet No. 12
Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

Sec. 4 1st Revised Sheet No. 12
Which was issued 11-25-96

NET METERING RIDER
RIDER NM

INTERCONNECTION APPLICATION /AGREEMENT FOR NET METERING SYSTEMS WITH A CAPACITY OF 100 KW OR LESS

For Customers Applying for Interconnection:

If you are interested in applying for interconnection to The Empire District Electric Company's (Empire) electrical system, you should first contact Empire and ask for information related to interconnection of parallel generation equipment to Empire's system and you should understand this information before proceeding with this Application. If you wish to apply for interconnection to Empire's electrical system, please complete sections A, B, C and D, and attach the plans and specifications describing the net metering, parallel generation, and interconnection facilities (hereinafter collectively referred to as the "Customer-Generator's System") and submit them to Empire at:

The Empire District Electric Company
602 Joplin
Joplin, Missouri, 64801

You will be provided with an approval or denial of this Application within ninety (90) days of receipt by Empire. If this Application is denied, you will be provided with the reason(s) for the denial. If this Application is approved and signed by both you and Empire, it shall become a binding contract and shall govern your relationship with Empire.

For Customers Who Have Received Approval of Customer-Generator System Plans and Specifications:

After receiving approval of your Application, it will be necessary to construct the Customer-Generator System in compliance with the plans and specifications described in the Application, complete sections E and F of this Application, and forward this Application to Empire for review and completion of section G at:

The Empire District Electric Company
602 Joplin
Joplin, Missouri, 64801

Empire will complete the utility portion of section G and, upon receipt of a completed Application/Agreement form and payment of any applicable fees, permit interconnection of the Customer-Generator System to Empire's electrical system within fifteen (15) days of receipt by Empire if electric service already exists to the premises, unless Customer-Generator and Empire agree to a later date. Similarly, upon receipt of a completed Application/Agreement form and payment of any applicable fees, if electric service does not exist to the premises, Empire will permit interconnection of the Customer-Generator System to Empire's electrical system no later than fifteen (15) days after service is established to the premises, unless the Customer-Generator and Empire agree to a later date.

For Customers Who Are Assuming Ownership or Operational Control of an Existing Customer-Generator System:

If no changes are being made to the existing Customer-Generator System, complete sections A, D and F of this Application/Agreement and forward to Empire at:

The Empire District Electric Company
602 Joplin
Joplin, Missouri, 64801

Empire will review the new Application/Agreement and shall approve such, within fifteen (15) days of receipt by Empire if the new Customer-Generator has satisfactorily completed Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. There are no fees or charges for the Customer-Generator who is assuming ownership or operational control of an existing Customer-Generator System if no modifications are being proposed to that System.

DATE OF ISSUE August 12, 2003
ISSUED BY David W. Gibson, Vice President, Joplin, MO

DATE EFFECTIVE September 11, 2003
August 28, 2003

CANCELLED
1/1/2007 & 12/14/07
ER-2006-0315
Missouri Public
Service Commission

Filed
MO PSC

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION
THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5

Sec. 4 1st Revised Sheet No. 12
Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY
No supplement to this tariff will be issued except
for the purpose of cancelling this tariff.

Sec. 4 Original Sheet No. 12
Which was issued 12-01-93



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MISSOURI
Public Service Commission

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CANCELLED
AUG 28 2003
W. Anderson
Public Service Commission
MISSOURI

FILED

DEC 25 1996

MO. PUBLIC SERVICE COMMISSION

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 Original Sheet No. 12
Cancelling P.S.C. Mo. No. _____

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

Sec. _____ Revised Sheet No. _____
Which was issued _____

THERMAL ENERGY STORAGE PROGRAM
FEASIBILITY STUDY GUIDELINES

RECEIVED

SEP 07 1993

The purpose of these guidelines is to summarize the general requirements that feasibility studies must meet under Empire's Thermal Energy Storage (TES) Program. These guidelines focus primarily on space conditioning (HVAC), but could be applicable to process cooling applications. A signed "Agreement for Production and Funding of Feasibility Study for Thermal Energy Storage Project" must be executed between Empire, the customer, and the customer's consulting engineering firm before the study commences.

GENERAL REQUIREMENTS:

The following requirements must be met by all studies:

- a) The facility in the study shall be uniquely identified in the study.
- b) All studies must be performed by or under the guidance of a professional engineer. The name, address, and phone number of the professional engineer certifying the study must appear on the cover or the title page of the study.
- c) The storage capacity identified for the application must be adequate to maintain building comfort (or process cooling requirements) during the peak design conditions, when the storage system is operated in the mode identified in the study (partial or full storage).
- d) All studies submitted shall be complete, typed, bound professional reports with an executive summary, table of contents, data sheets, and sequential numbered pages and appendices.
- e) Submission and review of study:
 - 1) Submission can be negotiated, but generally within four weeks of commissioning a final draft of the study shall be submitted to Empire for review and comments.
 - 2) Within two weeks of receipt of the final draft, Empire will meet with the engineer to discuss any comments or proposed revisions to the document.
 - 3) Any agreed upon changes to the final draft shall be incorporated into the final report.
 - 4) Four original copies of the final report and a copy of the engineer's invoice shall be furnished to The Empire District Electric Company within two weeks after final review.

OBJECTIVES FOR HVAC AND PROCESS COOLING APPLICATIONS:

An off-peak thermal energy storage feasibility study should encompass the following objectives:

- a) Discuss, in layman terms, the different off-peak cooling concepts proposed for the site, and how they would function.
- b) Identify the operating conditions (cooling load profile) of the facility.
- c) Review the practical engineering options for thermal energy storage. Partial and full storage operating strategies must be analyzed. For the partial storage option, particular emphasis should be placed on holding incremental capital costs to a minimum and on optimizing system design to achieve maximum demand shift to off-peak hours.
- d) Identify the risks and benefits associated with each option.
- e) Analyze the costs and benefits (capital, operations, maintenance, savings, etc.) of the above options.
- f) Recommend the best course of action, justifying the proposed hardware, configuration, and operating strategy.

SUGGESTED REPORT FORMAT:

This suggested outline is not intended to be all inclusive. Rather, it is intended to serve as a guide for the scope of the feasibility study, and to provide a basis for an objective evaluation of the thermal energy storage options to The Empire District Electric Company and its customers.

- i. Report Title, Facility Address, Engineering Firm Information Page (including author of report)
- ii. Table of Contents
- I. Executive Summary
- II. Introduction
 - a) Purpose of Study
 - b) General information on thermal energy storage

CANCELLED

FILED

DEC 25 1996

DEC 31 1993

1st RS 12
service Commission

MISSOURI
Public Service Commission

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 12th Revised Sheet No. 13

Canceling P.S.C. Mo. No. 5 Sec. 4 11th Revised Sheet No. 13

For ALL TERRITORY

NET METERING RIDER
RIDER NM

BILLING AND PAYMENT (continued):

To the extent the net consumption is positive (i.e. Customer-Generator took more kWh from the Company during the month than Customer-Generator produced), the eligible Customer-Generator will be billed in accordance with the Customer-Generator's otherwise applicable standard rate for Customer Charges, Demand Charges, and Energy Charges (for the net consumption).

To the extent the net consumption is negative (i.e. Customer-Generator produced more kWh during the month than the Company supplied), the Customer-Generator will be credited in accordance with the Company's bi-annually calculated avoided fuel cost of the net energy (kWh) delivered to the Company. With the exception of the Energy Charge, all other applicable standard rate charges shall apply.

PURCHASED RATE:

Summer Season, per kWh.....	\$	0.0349
Winter Season, per kWh.....	\$	0.0312

The Summer Season will be the four months of June through September, and the Winter Season will be the eight months of October through May.

To the extent the net consumption is zero (i.e. Customer-Generator produced the same kWh during the month as supplied by the Company), the Customer-Generator will be Minimum billed in accordance with the eligible Customer-Generator's otherwise applicable standard rate.

TERMS AND CONDITIONS:

1. The Company will supply, own and maintain all necessary meters and associated equipment utilized for billing. If the Company's metering equipment at the Customer Generator's premise does not have the capability of measuring both the net energy produced and the net energy consumed, the Customer shall reimburse the Company for the cost to purchase and install sufficient metering. In addition, and for purposes of monitoring Customer generation and load, the Company may install at its expense, load research metering. The Customer shall supply, at no expense to the Company, a suitable location for meters and associated equipment used for billing and for load research. Such equipment shall be accessible at all times to Company personnel.
2. The Company shall have the right to require the Customer, at certain times and as electric operating conditions warrant, to limit the production of electrical energy from the generating facility to an amount no greater than the load at the Customer's facility of which the generating facility is a part.
3. The Customer shall furnish, install, operate and maintain in good order and repair without cost to the Company such relays, locks and seals, breakers, automatic synchronizers, disconnecting devices, and other control and protective devices as required by the NEC, NESC, IEEE or UL as being required as suitable for the operation of the generator in parallel with the Company's system.
4. The disconnect switch shall be under the exclusive control of the Company. The manual switch must have the capability to be locked out by Company personnel to isolate the Company's facilities in the event of an electrical outage on the Company's transmission and distribution facilities serving the Customer. This isolating device shall also serve as a means of isolation for the Customer's equipment during any customer maintenance activities, routine outages or emergencies. The Company shall give notice to the Customer before a manual switch is locked or an isolating device is used, if possible; and otherwise shall give notice as soon as practicable after locking or isolating the Customer's facilities.
5. The Customer may be required to reimburse the Company for any equipment or facilities required solely as a result of the installation by the Customer of generation in parallel with the Company's Service. This requirement is limited to equipment or facilities installed by the Company in excess of those required of the Company by the NEC, NESC, IEEE or UL.
6. The Customer shall notify the Company prior to the initial energizing and start-up testing of the Customer-owned generator, and the Company shall have the right to have a representative present at said test.

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038;
YE-2021-0041

DATE OF ISSUE January 15, 2019 DATE EFFECTIVE February 14, 2019
ISSUED BY Sheri Richard, Director Rates and Regulatory Affairs

FILED
Missouri Public
Service Commission
JE-2019-0145

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 11th Revised Sheet No. 13

Canceling P.S.C. Mo. No. 5 Sec. 4 10th Revised Sheet No. 13

For ALL TERRITORY

NET METERING RIDER
RIDER NM

BILLING AND PAYMENT (continued):

To the extent the net consumption is positive (i.e. Customer-Generator took more kWh from the Company during the month than Customer-Generator produced), the eligible Customer-Generator will be billed in accordance with the Customer-Generator's otherwise applicable standard rate for Customer Charges, Demand Charges, and Energy Charges (for the net consumption).

To the extent the net consumption is negative (i.e. Customer-Generator produced more kWh during the month than the Company supplied), the Customer-Generator will be credited in accordance with the Company's bi-annually calculated avoided fuel cost of the net energy (kWh) delivered to the Company. With the exception of the Energy Charge, all other applicable standard rate charges shall apply.

PURCHASED RATE:

Summer Season, per kWh.....	\$	0.0289
Winter Season, per kWh.....	\$	0.0256

The Summer Season will be the four months of June through September, and the Winter Season will be the eight months of October through May.

To the extent the net consumption is zero (i.e. Customer-Generator produced the same kWh during the month as supplied by the Company), the Customer-Generator will be Minimum billed in accordance with the eligible Customer-Generator's otherwise applicable standard rate.

TERMS AND CONDITIONS:

1. The Company will supply, own and maintain all necessary meters and associated equipment utilized for billing. If the Company's metering equipment at the Customer Generator's premise does not have the capability of measuring both the net energy produced and the net energy consumed, the Customer shall reimburse the Company for the cost to purchase and install sufficient metering. In addition, and for purposes of monitoring Customer generation and load, the Company may install at its expense, load research metering. The Customer shall supply, at no expense to the Company, a suitable location for meters and associated equipment used for billing and for load research. Such equipment shall be accessible at all times to Company personnel.
2. The Company shall have the right to require the Customer, at certain times and as electric operating conditions warrant, to limit the production of electrical energy from the generating facility to an amount no greater than the load at the Customer's facility of which the generating facility is a part.
3. The Customer shall furnish, install, operate and maintain in good order and repair without cost to the Company such relays, locks and seals, breakers, automatic synchronizers, disconnecting devices, and other control and protective devices as required by the NEC, NESC, IEEE or UL as being required as suitable for the operation of the generator in parallel with the Company's system.
4. The disconnect switch shall be under the exclusive control of the Company. The manual switch must have the capability to be locked out by Company personnel to isolate the Company's facilities in the event of an electrical outage on the Company's transmission and distribution facilities serving the Customer. This isolating device shall also serve as a means of isolation for the Customer's equipment during any customer maintenance activities, routine outages or emergencies. The Company shall give notice to the Customer before a manual switch is locked or an isolating device is used, if possible; and otherwise shall give notice as soon as practicable after locking or isolating the Customer's facilities.
5. The Customer may be required to reimburse the Company for any equipment or facilities required solely as a result of the installation by the Customer of generation in parallel with the Company's Service. This requirement is limited to equipment or facilities installed by the Company in excess of those required of the Company by the NEC, NESC, IEEE or UL.
6. The Customer shall notify the Company prior to the initial energizing and start-up testing of the Customer-owned generator, and the Company shall have the right to have a representative present at said test.

CANCELLED
February 14, 2019
Missouri Public
Service Commission
JE-2019-0145

March 4, 2017

DATE OF ISSUE February 14, 2017 DATE EFFECTIVE ~~March 16, 2017~~
ISSUED BY Chris Krygier, Director Planning & Regulatory

FILED
Missouri Public
Service Commission
ET-2017-0219; YE-2017-0160

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 10th Revised Sheet No. 13

Canceling P.S.C. Mo. No. 5 Sec. 4 9th Revised Sheet No. 13

For ALL TERRITORY

NET METERING RIDER
RIDER NM

BILLING AND PAYMENT (continued):

To the extent the net consumption is positive (i.e. Customer-Generator took more kWh from the Company during the month than Customer-Generator produced), the eligible Customer-Generator will be billed in accordance with the Customer-Generator's otherwise applicable standard rate for Customer Charges, Demand Charges, and Energy Charges (for the net consumption).

To the extent the net consumption is negative (i.e. Customer-Generator produced more kWh during the month than the Company supplied), the Customer-Generator will be credited in accordance with the Company's bi-annually calculated avoided fuel cost of the net energy (kWh) delivered to the Company. With the exception of the Energy Charge, all other applicable standard rate charges shall apply.

PURCHASED RATE:

Summer Season, per kWh.....	\$	0.0449
Winter Season, per kWh.....	\$	0.0355

The Summer Season will be the four months of June through September, and the Winter Season will be the eight months of October through May.

To the extent the net consumption is zero (i.e. Customer-Generator produced the same kWh during the month as supplied by the Company), the Customer-Generator will be Minimum billed in accordance with the eligible Customer-Generator's otherwise applicable standard rate.

TERMS AND CONDITIONS:

1. The Company will supply, own and maintain all necessary meters and associated equipment utilized for billing. If the Company's metering equipment at the Customer Generator's premise does not have the capability of measuring both the net energy produced and the net energy consumed, the Customer shall reimburse the Company for the cost to purchase and install sufficient metering. In addition, and for purposes of monitoring Customer generation and load, the Company may install at its expense, load research metering. The Customer shall supply, at no expense to the Company, a suitable location for meters and associated equipment used for billing and for load research. Such equipment shall be accessible at all times to Company personnel.
2. The Company shall have the right to require the Customer, at certain times and as electric operating conditions warrant, to limit the production of electrical energy from the generating facility to an amount no greater than the load at the Customer's facility of which the generating facility is a part.
3. The Customer shall furnish, install, operate and maintain in good order and repair without cost to the Company such relays, locks and seals, breakers, automatic synchronizers, disconnecting devices, and other control and protective devices as required by the NEC, NESC, IEEE or UL as being required as suitable for the operation of the generator in parallel with the Company's system.
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5. The Customer may be required to reimburse the Company for any equipment or facilities required solely as a result of the installation by the Customer of generation in parallel with the Company's Service. This requirement is limited to equipment or facilities installed by the Company in excess of those required of the Company by the NEC, NESC, IEEE or UL.
6. The Customer shall notify the Company prior to the initial energizing and start-up testing of the Customer-owned generator, and the Company shall have the right to have a representative present at said test.

CANCELLED 6.
March 4, 2017
Missouri Public
Service Commission
ET-2017-0219; YE-2017-0160

DATE OF ISSUE January 15, 2015 DATE EFFECTIVE February 14, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

FILED
Missouri Public
Service Commission
JE-2015-0243

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 9th Revised Sheet No. 13

Canceling P.S.C. Mo. No. 5 Sec. 4 8th Revised Sheet No. 13

For ALL TERRITORY

NET METERING RIDER
RIDER NM

BILLING AND PAYMENT (continued):

To the extent the net consumption is positive (i.e. Customer-Generator took more kWh from the Company during the month than Customer-Generator produced), the eligible Customer-Generator will be billed in accordance with the Customer-Generator's otherwise applicable standard rate for Customer Charges, Demand Charges, and Energy Charges (for the net consumption).

To the extent the net consumption is negative (i.e. Customer-Generator produced more kWh during the month than the Company supplied), the Customer-Generator will be credited in accordance with the Company's bi-annually calculated avoided fuel cost of the net energy (kWh) delivered to the Company. With the exception of the Energy Charge, all other applicable standard rate charges shall apply.

PURCHASED RATE:

Summer Season, per kWh.....	\$	0.0330
Winter Season, per kWh.....	\$	0.0276

The Summer Season will be the four months of June through September, and the Winter Season will be the eight months of October through May.

To the extent the net consumption is zero (i.e. Customer-Generator produced the same kWh during the month as supplied by the Company), the Customer-Generator will be Minimum billed in accordance with the eligible Customer-Generator's otherwise applicable standard rate.

TERMS AND CONDITIONS:

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2. The Company shall have the right to require the Customer, at certain times and as electric operating conditions warrant, to limit the production of electrical energy from the generating facility to an amount no greater than the load at the Customer's facility of which the generating facility is a part.
3. The Customer shall furnish, install, operate and maintain in good order and repair without cost to the Company such relays, locks and seals, breakers, automatic synchronizers, disconnecting devices, and other control and protective devices as required by the NEC, NESC, IEEE or UL as being required as suitable for the operation of the generator in parallel with the Company's system.
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6. The Customer shall notify the Company prior to the initial energizing and start-up testing of the Customer-owned generator, and the Company shall have the right to have a representative present at said test.

CANCELLED
February 14, 2015
Missouri Public
Service Commission
JE-2015-0243

DATE OF ISSUE January 15, 2013 DATE EFFECTIVE February 14, 2013
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

FILED
Missouri Public
Service Commission
JE-2013-0319

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 8th Revised Sheet No. 13

Canceling P.S.C. Mo. No. 5 Sec. 4 7th Revised Sheet No. 13

For ALL TERRITORY

NET METERING RIDER
RIDER NM

BILLING AND PAYMENT (continued):

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PURCHASED RATE:

Summer Season, per kWh.....	\$	0.0359
Winter Season, per kWh.....	\$	0.0306

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6. The Customer shall notify the Company prior to the initial energizing and start-up testing of the Customer-owned generator, and the Company shall have the right to have a representative present at said test.

CANCELLED
February 14, 2013
Missouri Public
Service Commission
JE-2013-0319

DATE OF ISSUE December 13, 2012 DATE EFFECTIVE January 12, 2013
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

FILED
Missouri Public
Service Commission
JE-2013-0267

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 7th Revised Sheet No. 13

Canceling P.S.C. Mo. No. 5 Sec. 4 6th Revised Sheet No. 13

For ALL TERRITORY

NET METERING RIDER
RIDER NM

BILLING AND PAYMENT (continued):

To the extent the net consumption is positive (i.e. Customer-Generator took more kWh from the Company during the month than Customer-Generator produced), the eligible Customer-Generator will be billed in accordance with the Customer-Generator's otherwise applicable standard rate for Customer Charges, Demand Charges, and Energy Charges (for the net consumption).

To the extent the net consumption is negative (i.e. Customer-Generator produced more kWh during the month than the Company supplied), the Customer-Generator will be credited in accordance with the Company's Cogeneration Purchase Rate, Schedule CP. The Commission has approved Company's use of rates applicable to Cogeneration Purchase Rate, Schedule CP in lieu of the Avoided Fuel Cost, consistent with the Commission's Order in Case No. EX-2008-0280. Company's Avoided Fuel Cost as defined in 4 CSR 240-20.065 is not applicable to net metering customers but is submitted to Staff annually within thirty (30) days after Company's annual report is submitted. With the exception of the Energy Charge, all other applicable standard rate charges shall apply.

To the extent the net consumption is zero (i.e. Customer-Generator produced the same kWh during the month as supplied by the Company), the Customer-Generator will be Minimum billed in accordance with the eligible Customer-Generator's otherwise applicable standard rate.

TERMS AND CONDITIONS:

1. The Company will supply, own and maintain all necessary meters and associated equipment utilized for billing. If the Company's metering equipment at the Customer Generator's premise does not have the capability of measuring both the net energy produced and the net energy consumed, the Customer shall reimburse the Company for the cost to purchase and install sufficient metering. In addition, and for purposes of monitoring Customer generation and load, the Company may install at its expense, load research metering. The Customer shall supply, at no expense to the Company, a suitable location for meters and associated equipment used for billing and for load research. Such equipment shall be accessible at all times to Company personnel.
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6. The Customer shall notify the Company prior to the initial energizing and start-up testing of the Customer-owned generator, and the Company shall have the right to have a representative present at said test.

CANCELLED
January 12, 2013
Missouri Public
Service Commission
JE-2013-0267

DATE OF ISSUE June 10, 2011
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE July 10, 2011 **FILED**

Missouri Public
Service Commission
JE-2011-0625

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 6th Revised Sheet No. 13

Canceling P.S.C. Mo. No. 5 Sec. 4 5th Revised Sheet No. 13

For ALL TERRITORY

NET METERING RIDER
RIDER NM

BILLING AND PAYMENT (continued):

To the extent the net consumption is positive (i.e. Customer-Generator took more kWh from the Company during the month than Customer-Generator produced), the eligible Customer-Generator will be billed in accordance with the Customer-Generator's otherwise applicable standard rate for Customer Charges, Demand Charges, and Energy Charges (for the net consumption).

To the extent the net consumption is negative (i.e. Customer-Generator produced more kWh during the month than the Company supplied), the Customer-Generator will be credited in accordance with the Company's annually calculated avoided fuel cost of \$0.0317 per kWh of the net energy (kWh) delivered to the Company. With the exception of the Energy Charge, all other applicable standard rate charges shall apply.

To the extent the net consumption is zero (i.e. Customer-Generator produced the same kWh during the month as supplied by the Company), the Customer-Generator will be Minimum billed in accordance with the eligible Customer-Generator's otherwise applicable standard rate.

TERMS AND CONDITIONS:

1. The Company will supply, own and maintain all necessary meters and associated equipment utilized for billing. If the Company's metering equipment at the Customer Generator's premise does not have the capability of measuring both the net energy produced and the net energy consumed, the Customer shall reimburse the Company for the cost to purchase and install sufficient metering. In addition, and for purposes of monitoring Customer generation and load, the Company may install at its expense, load research metering. The Customer shall supply, at no expense to the Company, a suitable location for meters and associated equipment used for billing and for load research. Such equipment shall be accessible at all times to Company personnel.
2. The Company shall have the right to require the Customer, at certain times and as electric operating conditions warrant, to limit the production of electrical energy from the generating facility to an amount no greater than the load at the Customer's facility of which the generating facility is a part.
3. The Customer shall furnish, install, operate and maintain in good order and repair without cost to the Company such relays, locks and seals, breakers, automatic synchronizers, disconnecting devices, and other control and protective devices as required by the NEC, NESC, IEEE or UL as being required as suitable for the operation of the generator in parallel with the Company's system.
4. The disconnect switch shall be under the exclusive control of the Company. The manual switch must have the capability to be locked out by Company personnel to isolate the Company's facilities in the event of an electrical outage on the Company's transmission and distribution facilities serving the Customer. This isolating device shall also serve as a means of isolation for the Customer's equipment during any customer maintenance activities, routine outages or emergencies. The Company shall give notice to the Customer before a manual switch is locked or an isolating device is used, if possible; and otherwise shall give notice as soon as practicable after locking or isolating the Customer's facilities.
5. The Customer may be required to reimburse the Company for any equipment or facilities required solely as a result of the installation by the Customer of generation in parallel with the Company's Service. This requirement is limited to equipment or facilities installed by the Company in excess of those required of the Company by the NEC, NESC, IEEE or UL.

CANCELED
July 10, 2011
Missouri Public
Service Commission
JE-2011-0625

6. The Customer shall notify the Company prior to the initial energizing and start-up testing of the Customer-owned generator, and the Company shall have the right to have a representative present at said test.

DATE OF ISSUE June 11, 2010
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE July 11, 2010

FILED
Missouri Public
Service Commission
JE-2010-0702

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 5th Revised Sheet No. 13

Canceling P.S.C. Mo. No. 5 Sec. 4 4th Revised Sheet No. 13

For ALL TERRITORY

NET METERING RIDER
RIDER NM

BILLING AND PAYMENT (continued):

To the extent the net consumption is positive (i.e. Customer-Generator took more kWh from the Company during the month than Customer-Generator produced), the eligible Customer-Generator will be billed in accordance with the Customer-Generator's otherwise applicable standard rate for Customer Charges, Demand Charges, and Energy Charges (for the net consumption).

To the extent the net consumption is negative (i.e. Customer-Generator produced more kWh during the month than the Company supplied), the Customer-Generator will be credited in accordance with the Company's annually calculated avoided fuel cost (as defined in the Company's tariff schedule CP) for the net energy (kWh) delivered to the Company. With the exception of the Energy Charge, all other applicable standard rate charges shall apply.

To the extent the net consumption is zero (i.e. Customer-Generator produced the same kWh during the month as supplied by the Company), the Customer-Generator will be Minimum billed in accordance with the eligible Customer-Generator's otherwise applicable standard rate.

TERMS AND CONDITIONS:

1. The Company will supply, own and maintain all necessary meters and associated equipment utilized for billing. If the Company's metering equipment at the Customer Generator's premise does not have the capability of measuring both the net energy produced and the net energy consumed, the Customer shall reimburse the Company for the cost to purchase and install sufficient metering. In addition, and for purposes of monitoring Customer generation and load, the Company may install at its expense, load research metering. The Customer shall supply, at no expense to the Company, a suitable location for meters and associated equipment used for billing and for load research. Such equipment shall be accessible at all times to Company personnel.
2. The Company shall have the right to require the Customer, at certain times and as electric operating conditions warrant, to limit the production of electrical energy from the generating facility to an amount no greater than the load at the Customer's facility of which the generating facility is a part.
3. The Customer shall furnish, install, operate and maintain in good order and repair without cost to the Company such relays, locks and seals, breakers, automatic synchronizers, disconnecting devices, and other control and protective devices as required by the NEC, NESC, IEEE or UL as being required as suitable for the operation of the generator in parallel with the Company's system.
4. The disconnect switch shall be under the exclusive control of the Company. The manual switch must have the capability to be locked out by Company personnel to isolate the Company's facilities in the event of an electrical outage on the Company's transmission and distribution facilities serving the Customer. This isolating device shall also serve as a means of isolation for the Customer's equipment during any customer maintenance activities, routine outages or emergencies. The Company shall give notice to the Customer before a manual switch is locked or an isolating device is used, if possible; and otherwise shall give notice as soon as practicable after locking or isolating the Customer's facilities.
5. The Customer may be required to reimburse the Company for any equipment or facilities required solely as a result of the installation by the Customer of generation in parallel with the Company's Service. This requirement is limited to equipment or facilities installed by the Company in excess of those required of the Company by the NEC, NESC, IEEE or UL.
6. The Customer shall notify the Company prior to the initial energizing and start-up testing of the Customer-owned generator, and the Company shall have the right to have a representative present at said test.

CANCELLED
July 11, 2010
Missouri Public
Service Commission
JE-2010-0702

DATE OF ISSUE January 3, 2008 DATE EFFECTIVE February 2, 2008
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 4th Revised Sheet No. 13

Canceling P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 13

For ALL TERRITORY

NET METERING RIDER
RIDER NM

A. Customer-Generator's Information

Name: _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Service/Street Address (if different from above): _____
City: _____ State: _____ Zip Code: _____
Daytime Phone: _____ Fax: _____ E-Mail: _____
Emergency Contact Phone: _____
Empire Account No. (from Utility Bill): _____

B. Customer-Generator's System Information

Manufacturer Name Plate (if applicable) AC Powr Rating: _____ kW Voltage: _____ Volts
System Type: Solar _____ Wind _____ Biomass _____ Fuel Cell _____ Other (describe) _____
Service/Street Address: _____
Inverter/Interconnection Equipment Manufacturer: _____
Inverter/Interconnection Equipment Model No.: _____
Are Required System Plans & Specifications attached? Yes _____ No _____
Inverter/Interconnection Equipment Location (describe): _____
Outdoor Manual/Utility Accessible & Lockable Disconnect Switch Location (describe): _____
Existing Electrical Service Capacity: _____ Amperes Voltage: _____ volts
Service Character: Single Phase _____ Three Phase _____

C. Installation Information / Hardware and Installation Compliance

Person or Company Installing: _____
Contractor's License No. (if applicable): _____
Approximate Installation Date: _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Daytime Phone: _____ Fax: _____ E-Mail: _____
Person or Agency Who Will Inspect/Certify Installation: _____

The Customer-Generator's proposed System hardware complies with all applicable National Electric Safety Code (NESC), National Electric Code (NEC), Institute of Electrical and Electronics Engineers (IEEE) and Underwriters Laboratories (UL) requirements for electrical equipment and their installation. As applicable to System type, these requirements include, but are not limited to, UL 1741 and IEEE 929-2000 or IEEE 1547. The proposed installation complies with all applicable local electrical codes and all reasonable safety requirements of Empire. The proposed System has a lockable, visible disconnect device, accessible at all times to Empire personnel. The System is only required to include one lockable, visible disconnect device, accessible to Empire. If the interconnection equipment is equipped with a visible, lockable, and accessible disconnect, no redundant device is needed to meet this requirement.

The Customer-Generator's proposed System has functioning controls to prevent voltage flicker, DC injection, overvoltage, undervoltage, overfrequency, underfrequency, and overcurrent, and to provide for System synchronization to Empire's electrical system. The proposed System does have an anti-islanding function that prevents the generator from continuing to supply power when Empire's electrical system is not energized or operating normally. If the proposed System is designed to provide uninterruptible power to critical loads, either through energy storage or back -up generation, the proposed System includes a parallel blocking scheme for this backup source that prevents any backflow of power to Empire's electrical system when the electrical system is not energized or not operating normally.

Signed (Installer): _____ Date: _____
Name (Print): _____

DATE OF ISSUE July 23, 2007 DATE EFFECTIVE August 22, 2007
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

CANCELLED
February 1, 2008
Missouri Public
Service Commission

FILED
Missouri Public
Service Commission
EO-2006-0497

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 13

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 13

For ALL TERRITORY

NET METERING RIDER
RIDER NM

A. Customer-Generator's Information

Name: _____
 Mailing Address: _____
 City: _____ State: _____ Zip Code: _____
 Service/Street Address (if different from above): _____
 City: _____ State: _____ Zip Code: _____
 Daytime Phone: _____ Fax: _____ E-Mail: _____
 Emergency Contact Phone: _____
 Empire Account No. (from Utility Bill): _____

B. Customer-Generator's System Information

Manufacturer Name Plate (if applicable) AC Powr Rating: _____ kW Voltage: _____ Volts
 System Type: Solar Wind Biomass Fuel Cell Other (describe) _____
 Service/Street Address: _____
 Inverter/Interconnection Equipment Manufacturer: _____
 Inverter/Interconnection Equipment Model No.: _____
 Are Required System Plans & Specifications attached? Yes No
 Inverter/Interconnection Equipment Location (describe): _____

Outdoor Manual/Utility Accessible & Lockable Disconnect Switch Location (describe): _____

Existing Electrical Service Capacity: _____ Amperes Voltage: _____ volts
 Service Character: Single Phase Three Phase

C. Installation Information / Hardware and Installation Compliance

Person or Company Installing: _____
 Contractor's License No. (if applicable): _____
 Approximate Installation Date: _____
 Mailing Address: _____
 City: _____ State: _____ Zip Code: _____
 Daytime Phone: _____ Fax: _____ E-Mail: _____
 Person or Agency Who Will Inspect/Certify Installation: _____

The Customer-Generator's proposed System hardware complies with all applicable National Electric Safety Code (NESC), National Electric Code (NEC), Institute of Electrical and Electronics Engineers (IEEE) and Underwriters Laboratories (UL) requirements for electrical equipment and their installation. As applicable to System type, these requirements include, but are not limited to, UL 1741 and IEEE 929-2000. The proposed installation complies with all applicable local electrical codes and all reasonable safety requirements of Empire. The proposed System has a lockable, visible disconnect device, accessible at all times to Empire personnel. The System is only required to include one lockable, visible disconnect device, accessible to Empire. If the interconnection equipment is equipped with a visible, lockable, and accessible disconnect, no redundant device is needed to meet this requirement.

The Customer-Generator's proposed System has functioning controls to prevent voltage flicker, DC injection, overvoltage, undervoltage, overfrequency, underfrequency, and overcurrent, and to provide for System synchronization to Empire's electrical system. The proposed System does have an anti-islanding function that prevents the generator from continuing to supply power when Empire's electrical system is not energized or operating normally. If the proposed System is designed to provide uninterruptible power to critical loads, either through energy storage or back-up generation, the proposed System includes a parallel blocking scheme for this backup source that prevents any backflow of power to Empire's electrical system when the electrical system is not energized or not operating normally.

Signed (Installer): _____ Date: _____
 Name (Print): _____

DATE OF ISSUE December 28, 2006
 ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE January 27, 2007
January 1, 2007

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 2nd Revised Sheet No. 13
Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

Sec. 4 1st Revised Sheet No. 13
Which was issued 11-25-96

**NET METERING RIDER
RIDER NM**

A. Customer-Generator's Information

Name: _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Service/Street Address (if different from above): _____
City: _____ State: _____ Zip Code: _____
Daytime Phone: _____ Fax: _____ E-Mail: _____
Emergency Contact Phone: _____
Empire Account No. (from Utility Bill): _____

B. Customer-Generator's System Information

Manufacturer Name Plate (if applicable) AC Powr Rating: _____ kW Voltage: _____ Volts
System Type: Solar ___ Wind ___ Biomass ___ Fuel Cell ___ Other (describe) _____
Service/Street Address: _____
Inverter/Interconnection Equipment Manufacturer: _____
Inverter/Interconnection Equipment Model No.: _____
Are Required System Plans & Specifications attached? Yes ___ No ___
Inverter/Interconnection Equipment Location (describe): _____

Outdoor Manual/Utility Accessible & Lockable Disconnect Switch Location (describe): _____

Existing Electrical Service Capacity: _____ Amperes Voltage: _____ volts
Service Character: Single Phase _____ Three Phase _____

C. Installation Information / Hardware and Installation Compliance

Person or Company Installing: _____
Contractor's License No. (if applicable): _____
Approximate Installation Date: _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Daytime Phone: _____ Fax: _____ E-Mail: _____
Person or Agency Who Will Inspect/Certify Installation: _____

The Customer-Generator's proposed System hardware complies with all applicable National Electric Safety Code (NESC), National Electric Code (NEC), Institute of Electrical and Electronics Engineers (IEEE) and Underwriters Laboratories (UL) requirements for electrical equipment and their installation. As applicable to System type, these requirements include, but are not limited to, UL 1741 and IEEE 929-2000. The proposed installation complies with all applicable local electrical codes and all reasonable safety requirements of Empire. The proposed System has a lockable, visible disconnect device, accessible at all times to Empire personnel. The System is only required to include one lockable, visible disconnect device, accessible to Empire. If the interconnection equipment is equipped with a visible, lockable, and accessible disconnect, no redundant device is needed to meet this requirement.

The Customer-Generator's proposed System has functioning controls to prevent voltage flicker, DC injection, overvoltage, undervoltage, overfrequency, underfrequency, and overcurrent, and to provide for System synchronization to Empire's electrical system. The proposed System does have an anti-islanding function that prevents the generator from continuing to supply power when Empire's electrical system is not energized or operating normally. If the proposed System is designed to provide uninterruptible power to critical loads, either through energy storage or back-up generation, the proposed System includes a parallel blocking scheme for this backup source that prevents any backflow of power to Empire's electrical system when the electrical system is not energized or not operating normally.

Signed (Installer): _____ Date: _____
Name (Print): _____

DATE OF ISSUE August 12, 2003
ISSUED BY David W. Gibson, Vice President, Joplin, MO

DATE EFFECTIVE September 11, 2003

August 28, 2003

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION
THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5

Sec. 4 1st Revised Sheet No. 13
Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY
No supplement to this tariff will be issued except
for the purpose of cancelling this tariff.

Sec. 4 Original Sheet No. 13
Which was issued 12-01-93



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Service Commission

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AUG 28 2003
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Public Service Commission
MISSOURI

FILED

DEC 25 1996

MO. PUBLIC SERVICE COMMISSION

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

THERMAL ENERGY STORAGE PROGRAM
FEASIBILITY STUDY GUIDELINES

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SEP 07 1993

**MISSOURI
Public Service Commission**

- III. Site Specific Information
 - a) Description of facility (Gross area, conditioned area, etc.)
 - b) Space limitations, if any
 - c) Owner/operator limitations, if any
- IV. Building (or Process) Load Requirements
 - a) Cooling Load Profiles (HVAC)
 - 1) Design day profile
 - 2) Typical monthly loads
 - b) Facility Electrical Load Profiles (Total)
 - 1) Design day profile
 - 2) Typical monthly loads
- V. Utility Rate Structure (furnished by Empire)
 - a) Present rate structure
 - b) Thermal energy storage payments
- VI. Cooling Equipment Sizing
 - a) Conventional system
 - 1) Chiller/compressor, pumps, piping, valves, etc.
 - 2) System performance (kW demand, energy consumption, etc.)
 - b) Thermal Energy Storage System
 - 1) Chiller/compressor, pumps, piping, valves, etc.
 - 2) System performance (kW demand, energy consumption, etc.)
 - c) Air Handling System (if low temperature air is being considered)
 - 1) Conventional
 - 2) Low temperature air
- VII. System Configuration and Operating Strategy
 - a) Basic system schematics (showing operating temperatures, etc.)
 - b) Operating strategy
- VIII. Economic Analysis
 - a) Equipment Costs
 - 1) Conventional System
 - 2) Thermal Energy Storage System Options
 - b) Annual Operating Costs
 - 1) Conventional System
 - 2) Thermal Energy Storage System Options
 - c) Thermal Energy Storage Economics (Method determined by owner)
 - 1) Simple Payback, Rate-of-Return or Life Cycle Costs, whichever method is satisfactory to the owner
- IX. Conclusions and Recommendations
- X. Appendices
 - a) Detailed Calculations
 - b) Detailed Equipment Cost Estimates
 - c) Any Pertinent Information

CANCELLED

DEC 25 1996

1st RS 13
Service Commission

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DEC 31 1993

**MISSOURI
Public Service Commission**

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 4th Revised Sheet No. 14

Canceling P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 14

For ALL TERRITORY

NET METERING RIDER RIDER NM

TERMS AND CONDITIONS (continued):

7. If harmonics, voltage fluctuations, or other disruptive problems on the utility's system are directly attributable to the operation of the Customer's system, such program(s) shall be corrected at the Customer's expense.
8. No Customer's generating system shall damage the Company's system or equipment or present an undue hazard to Company personnel.
9. The Company requires an Interconnection Application/Agreement for net metering (see copy below) for conditions related to technical and safety aspects of parallel generation.
10. Service under this schedule is subject to the Company's Rules and Regulations on file with the Missouri Public Service Commission and any subsequently approved and in effect during the term of this service.

CANCELLED
September 16, 2020
Missouri Public
Service Commission

ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE January 3, 2008
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE February 2, 2008

FILED
Missouri Public
Service Commission
ET-2008-0223

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION
THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5

Sec. 4 1st Revised Sheet No. 14
Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY

No supplement to this tariff will be issued except
for the purpose of cancelling this tariff.

Sec. 4 Original Sheet No. 14
Which was issued 12-01-93



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Service Commission

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AUG 28 2003
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Public Service Commission
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DEC 25 1996

MO. PUBLIC SERVICE COMMISSION

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 Original Sheet No. 14
Cancelling P.S.C. Mo. No. _____

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

Sec. _____ Revised Sheet No. _____
Which was issued _____

AGREEMENT REGARDING PARTIAL FUNDING OF
THERMAL ENERGY STORAGE PROJECT

RECEIVED

SEP 07 1993

This is an agreement between The Empire District Electric Company ("Company"), MISSOURI ("Customer"), with a facility located or to be located at _____, which receives _____ will receive electric service from Company, dated as of _____, 19____. **Public Service Commission**

Company is authorized by its Missouri tariffs to partially fund construction of a Thermal Energy Storage ("TES") system, as provided in PSC Mo No. 5, Original Sheet Nos. 9 - 14, a copy of which is attached as Attachment A.

In accordance with the mutual promises and the approved tariffs, the parties agree as follows:

1. Customer shall install a TES system at the Facility in accordance with the design considerations and plans set out in Attachment B, and based upon the analysis set out in the Feasibility Study in Attachment C, all of which are incorporated by reference.
2. Company and Customer agree that installation of the described TES system will accomplish a reduction in Customer's on-peak (as defined in Company's tariffs) electric demand in the amount of _____ kW. In consideration of the mutual benefits attributable to such reduction in on-peak demand, Company shall pay Customer the sum of \$ _____, payable as follows. The first of the two Company installments of fifty (50) percent of the total shall be made when, after inspection, the Company determines the system is fully operational and capable of performing as predicted in the Feasibility Study. The second and final installment shall be made when, after a reasonable operation period during which the system has been monitored by the Company, it is determined by the Company that the system meets or exceeds the specifications set forth by the design engineer, the storage vessel can and does fully charge during off-peak periods of the Company (as defined in the Company's tariffs), and the Customer's on-peak demand has been reduced by at least the amount of kW predicted in the Feasibility Study.
3. Payment by the Company is contingent upon Customer and its agents and contractors abiding by the terms of the Company's tariff regarding TES projects.
4. Partial funding and technical support by the Company in this project shall not make Company liable in any respect for the operation or non-operation of the TES system, it being understood that the system is under the full control of Customer at all times. Customer shall fully indemnify and hold harmless the Company and its agents from any liability and expenses whatsoever relating to the system. Excluded from this indemnity provision are any willful or negligent acts or omissions of the Company that are proven to be the sole cause of any damage.
5. This document and the material incorporated by reference represent the complete agreement between the parties relating to the TES system, and may not be modified except in writing and signed by authorized representatives of the parties. This document does not modify or affect any other agreements which may exist between the parties relating to the provision of electric service.

THE EMPIRE DISTRICT ELECTRIC COMPANY

By: _____

(Customer)

By: _____

CANCELLED

DEC 25 1996

1st RS 14
Service Commis

FILED

DEC 31 1993

MISSOURI
Public Service Commission

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 8th Revised Sheet No. 15

Canceling P.S.C. Mo. No. 5 Sec. 4 7th Revised Sheet No. 15

For ALL TERRITORY

NET METERING RIDER
RIDER NM

**INTERCONNECTION APPLICATION /AGREEMENT FOR NET METERING SYSTEMS
WITH CAPACITY OF ONE HUNDRED
KILOWATTS (150 kW) OR LESS**

The Empire District Electric Company
602 South Joplin Avenue
Joplin, Missouri, 64802

For Customers Applying for Interconnection:

If you are interested in applying for interconnection to The Empire District Electric Company's (Empire) electrical system, you should first contact Empire and ask for information related to interconnection of parallel generation equipment to Empire's system and you should understand this information before proceeding with this Application.

If you wish to apply for interconnection to Empire's electrical system, please complete sections A, B, C and D, and attach the plans and specifications, including, but not limited to, describing the net metering, parallel generation, and interconnection facilities (hereinafter collectively referred to as the "Customer-Generator's System") and submit them to Empire at the address above. Empire will provide notice of approval or denial within thirty (30) days of receipt by Empire for Customer-Generators of ten kilowatts (10 kW) or less and within ninety (90) days of receipt by Empire for Customer-Generators of greater than ten kilowatts (10 kW). If this Application is denied, you will be provided with the reason(s) for the denial. If this Application is approved and signed by both you and Empire, it shall become a binding contract and shall govern your relationship with Empire.

**For Customers Who Have Received Approval of
Customer-Generator System Plans and Specifications:**

After receiving approval of your Application, it will be necessary to construct the Customer-Generator System in compliance with the plans and specifications described in the Application, complete sections E and F of this Application, and forward this Application to Empire for review and completion of section G at the address above. Prior to the interconnection of the qualified generation unit to Empire's system, the Customer-Generator will furnish Empire a certification from a qualified professional electrician or engineer that the installation meets the plans and specification described in the application. If a local Authority Having Jurisdiction (AHJ) requires permits or certifications for construction or operation of the qualified generation unit, a customer generator must show the permit number and approval certification to Empire prior to interconnection. If the application for interconnection is approved by Empire and the Customer-Generator does not complete the interconnection within one (1) year after receipt of notice of the approval, the approval shall expire and the Customer-Generator shall be responsible for filing a new application.

Within 21 days of when the customer-generator completes submission of all required post construction documentation, including sections E & F, other supporting documentation and local AHJ inspection approval (if applicable) to the electric utility, the electric utility will make any inspection of the customer-generators interconnection equipment or system it deems necessary and notify the customer generator:

1. That the net meter has been set and parallel operation by customer-generator is permitted; or
2. That the inspection identified no deficiencies and the net meter installation is pending; or
3. That the inspection identified no deficiencies and the timeframe anticipated for the electric utility to complete all required system or service upgrades and install the meter; or
4. Of all deficiencies identified during the inspection that need to be corrected by the customer-generator before parallel operation will be permitted; or
5. Of any other issue(s), requirement(s), or condition(s), impacting the installation of the net meter or the parallel operation of the system.

CANCELLED
September 16, 2020
Missouri Public
Service Commission

ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE July 27, 2018 DATE EFFECTIVE August 26, 2018
ISSUED BY Christopher D. Krygier, Director, Rates & Regulatory Affairs, Joplin, MO

FILED
Missouri Public
Service Commission
JE-2019-0010

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 7th Revised Sheet No. 15

Canceling P.S.C. Mo. No. 5 Sec. 4 6th Revised Sheet No. 15

For ALL TERRITORY

NET METERING RIDER
RIDER NM

**INTERCONNECTION APPLICATION /AGREEMENT FOR NET METERING SYSTEMS
WITH CAPACITY OF ONE HUNDRED
KILOWATTS (100 kW) OR LESS**

The Empire District Electric Company
602 South Joplin Avenue
Joplin, Missouri, 64802

For Customers Applying for Interconnection:

If you are interested in applying for interconnection to The Empire District Electric Company's (Empire) electrical system, you should first contact Empire and ask for information related to interconnection of parallel generation equipment to Empire's system and you should understand this information before proceeding with this Application.

If you wish to apply for interconnection to Empire's electrical system, please complete sections A, B, C and D, and attach the plans and specifications, including, but not limited to, describing the net metering, parallel generation, and interconnection facilities (hereinafter collectively referred to as the "Customer-Generator's System") and submit them to Empire at the address above. Empire will provide notice of approval or denial within thirty (30) days of receipt by Empire for Customer-Generators of ten kilowatts (10 kW) or less and within ninety (90) days of receipt by Empire for Customer-Generators of greater than ten kilowatts (10 kW). If this Application is denied, you will be provided with the reason(s) for the denial. If this Application is approved and signed by both you and Empire, it shall become a binding contract and shall govern your relationship with Empire.

**For Customers Who Have Received Approval of
Customer-Generator System Plans and Specifications:**

After receiving approval of your Application, it will be necessary to construct the Customer-Generator System in compliance with the plans and specifications described in the Application, complete sections E and F of this Application, and forward this Application to Empire for review and completion of section G at the address above. Prior to the interconnection of the qualified generation unit to Empire's system, the Customer-Generator will furnish Empire a certification from a qualified professional electrician or engineer that the installation meets the plans and specification described in the application. If a local Authority Having Jurisdiction (AHJ) requires permits or certifications for construction or operation of the qualified generation unit, a customer generator must show the permit number and approval certification to Empire prior to interconnection. If the application for interconnection is approved by Empire and the Customer-Generator does not complete the interconnection within one (1) year after receipt of notice of the approval, the approval shall expire and the Customer-Generator shall be responsible for filing a new application.

Within 21 days of when the customer-generator completes submission of all required post construction documentation, including sections E & F, other supporting documentation and local AHJ inspection approval (if applicable) to the electric utility, the electric utility will make any inspection of the customer-generators interconnection equipment or system it deems necessary and notify the customer generator:

1. That the net meter has been set and parallel operation by customer-generator is permitted; or
2. That the inspection identified no deficiencies and the net meter installation is pending; or
3. That the inspection identified no deficiencies and the timeframe anticipated for the electric utility to complete all required system or service upgrades and install the meter; or
4. Of all deficiencies identified during the inspection that need to be corrected by the customer-generator before parallel operation will be permitted; or
5. Of any other issue(s), requirement(s), or condition(s), impacting the installation of the net meter or the parallel operation of the system.

CANCELLED
August 28, 2018
Missouri Public
Service Commission
JE-2019-0010

DATE OF ISSUE February 23, 2017
ISSUED BY Chris Krygier, Director Planning & Regulatory

DATE EFFECTIVE March 25, 2017 **FILED**

Missouri Public
Service Commission
JE-2017-0166

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 6th Revised Sheet No. 15

Canceling P.S.C. Mo. No. 5 Sec. 4 5th Revised Sheet No. 15

For ALL TERRITORY

NET METERING RIDER
RIDER NM

**INTERCONNECTION APPLICATION /AGREEMENT FOR NET METERING SYSTEMS
WITH CAPACITY OF ONE HUNDRED
KILOWATTS (100 kW) OR LESS**

The Empire District Electric Company
602 South Joplin Avenue
Joplin, Missouri, 64802

For Customers Applying for Interconnection:

If you are interested in applying for interconnection to The Empire District Electric Company's (Empire) electrical system, you should first contact Empire and ask for information related to interconnection of parallel generation equipment to Empire's system and you should understand this information before proceeding with this Application.

If you wish to apply for interconnection to Empire's electrical system, please complete sections A, B, C and D, and attach the plans and specifications, including, but not limited to, describing the net metering, parallel generation, and interconnection facilities (hereinafter collectively referred to as the "Customer-Generator's System") and submit them to Empire at the address above. Empire will provide notice of approval or denial within thirty (30) days of receipt by Empire for Customer-Generators of ten kilowatts (10 kW) or less and within ninety (90) days of receipt by Empire for Customer-Generators of greater than ten kilowatts (10 kW). If this Application is denied, you will be provided with the reason(s) for the denial. If this Application is approved and signed by both you and Empire, it shall become a binding contract and shall govern your relationship with Empire.

**For Customers Who Have Received Approval of
Customer-Generator System Plans and Specifications:**

After receiving approval of your Application, it will be necessary to construct the Customer-Generator System in compliance with the plans and specifications described in the Application, complete sections E and F of this Application, and forward this Application to Empire for review and completion of section G at the address above. Prior to the interconnection of the qualified generation unit to Empire's system, the Customer-Generator will furnish Empire a certification from a qualified professional electrician or engineer that the installation meets the plans and specification described in the application. If the application for interconnection is approved by Empire and the Customer-Generator does not complete the interconnection within one (1) year after receipt of notice of the approval, the approval shall expire and the Customer-Generator shall be responsible for filing a new application.

Empire will complete the utility portion of section G and, upon receipt of a completed Application/Agreement form and payment of any applicable fees, schedule a date for interconnection of the Customer-Generator System to Empire's electrical system within fifteen (15) days of receipt by Empire if electric service already exists to the premises, unless Customer-Generator and Empire agree to a later date. Similarly, upon receipt of a completed Application/Agreement form and payment of any applicable fees, if electric service does not exist to the premises, Empire will schedule a date for interconnection of the Customer-Generator System to Empire's electrical system no later than fifteen (15) days after service is established to the premises, unless the Customer-Generator and Empire agree to a later date.

**For Customers Who Are Assuming Ownership or Operational
Control of an Existing Customer-Generator System:**

If no changes are being made to the existing Customer-Generator System, complete sections A, D and F of this Application/Agreement and forward to Empire at the address above. Empire will review the new Application/Agreement and shall approve such, within fifteen (15) days of receipt by Empire if the new Customer-Generator has satisfactorily completed Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. There are no fees or charges for the Customer-Generator who is assuming ownership or operational control of an existing Customer-Generator System if no modifications are being proposed to that System.

CANCELLED
March 25, 2017
Missouri Public
Service Commission
JE-2017-0166

DATE OF ISSUE December 13, 2012
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE January 12, 2013

FILED
Missouri Public
Service Commission
JE-2013-0267

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 5th Revised Sheet No. 15

Canceling P.S.C. Mo. No. 5 Sec. 4 4th Revised Sheet No. 15

For ALL TERRITORY

NET METERING RIDER
RIDER NM

**INTERCONNECTION APPLICATION /AGREEMENT FOR NET METERING
SYSTEMS WITH A CAPACITY OF 100 kW OR LESS**

For Customers Applying for Interconnection:

If you are interested in applying for interconnection to The Empire District Electric Company's (Empire) electrical system, you should first contact Empire and ask for information related to interconnection of parallel generation equipment to Empire's system and you should understand this information before proceeding with this Application. If you wish to apply for interconnection to Empire's electrical system, please complete sections A, B, C and D, and attach the plans and specifications describing the net metering, parallel generation, and interconnection facilities (hereinafter collectively referred to as the "Customer-Generator's System") and submit them to Empire at:

The Empire District Electric Company
602 Joplin
Joplin, Missouri, 64801

You will be provided with an approval or denial of this Application. For Customer-Generators greater than 10 kW, Empire shall provide a decision within ninety (90) days. For Customer-Generators 10 kW or less, Empire shall provide a decision within thirty (30) days. If this Application is denied, you will be provided with the reason(s) for the denial. If this Application is approved and signed by both you and Empire, it shall become a binding contract and shall govern your relationship with Empire.

**For Customers Who Have Received Approval of
Customer-Generator System Plans and Specifications:**

After receiving approval of your Application, it will be necessary to construct the Customer-Generator System in compliance with the plans and specifications described in the Application, complete sections E and F of this Application, and forward this Application to Empire for review and completion of section G at:

The Empire District Electric Company
602 Joplin
Joplin, Missouri, 64801

Empire will complete the utility portion of section G and, upon receipt of a completed Application/Agreement form and payment of any applicable fees, permit interconnection of the Customer-Generator System to Empire's electrical system within fifteen (15) days of receipt by Empire if electric service already exists to the premises, unless Customer-Generator and Empire agree to a later date. Similarly, upon receipt of a completed Application/Agreement form and payment of any applicable fees, if electric service does not exist to the premises, Empire will permit interconnection of the Customer-Generator System to Empire's electrical system no later than fifteen (15) days after service is established to the premises, unless the Customer-Generator and Empire agree to a later date.

**For Customers Who Are Assuming Ownership or Operational
Control of an Existing Customer-Generator System:**

If no changes are being made to the existing Customer-Generator System, complete sections A, D and F of this Application/Agreement and forward to Empire at:

The Empire District Electric Company
602 Joplin
Joplin, Missouri, 64801

Empire will review the new Application/Agreement and shall approve such, within fifteen (15) days of receipt by Empire if the new Customer-Generator has satisfactorily completed Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. There are no fees or charges for the Customer-Generator who is assuming ownership or operational control of an existing Customer-Generator System if no modifications are being proposed to that System.

CANCELLED
January 12, 2013
Missouri Public
Service Commission
JE-2013-0267

DATE OF ISSUE January 3, 2008 DATE EFFECTIVE February 2, 2008
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

FILED
Missouri Public
Service Commission
ET-2008-0223

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 4th Revised Sheet No. 15

Canceling P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 15

For ALL TERRITORY

NET METERING RIDER
RIDER NM

6) Transfer of Ownership

If operational control of the Customer-Generator's System transfers to any other party than the Customer-Generator, a new Application/Agreement must be completed by the person or persons taking over operational control of the existing Customer-Generator System. Empire shall be notified no less than thirty (30) days before the Customer-Generator anticipates transfer of operational control of the Customer-Generator's System. The person or persons taking over the operational control of Customer-Generator's System must file a new Application/Agreement, and must receive authorization from Empire before the existing Customer-Generator System can remain interconnected with Empire's electrical system. The new Application/Agreement will only need to be completed to the extent necessary to affirm that the new person or persons having operational control of the existing Consumer-Generator System completely understand the provisions of this Application/Agreement and agrees to them. If no changes are being made to the Customer-Generator's System, completing sections A, D and F of this Application/Agreement will satisfy this requirement. If no changes are being proposed to the Customer-Generator System, Empire will assess no charges or fees for this transfer. Empire will review the new Application/Agreement and shall approve such, within fifteen (15) days if the new Customer-Generator has satisfactorily completed the Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. Empire will then complete section G and forward a copy of the completed Application/Agreement back to the new Customer-Generator, thereby notifying the new Customer-Generator that the new Customer-Generator is authorized to operate the existing Customer-Generator System in parallel with Empire's electrical system. If any changes are planned to be made in the existing Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics, then the Customer-Generator shall submit to Empire a new Application/Agreement for the entire Customer-Generator System and all portions of the Application/Agreement must be completed.

7) Dispute Resolution

If any agreements between the Customer-Generator and Empire arise that cannot be resolved through normal negotiations between them, the disagreements may be brought to the Missouri Public Service Commission by either party, through an informal or formal complaint. Procedures for filing and processing these complaints are described in 4 CSR 240-2.070. The complaint procedures described in 4 CSR 240-2.070 apply only to retail electric power suppliers to the extent that they are regulated by the Missouri Public Service Commission.

8) Testing Requirement

The Customer-Generator must, at least once every year, conduct a test to confirm that the Customer-Generator's net metering unit automatically ceases to energize the output (interconnection equipment output voltage goes to zero) within two (2) seconds of being disconnected from Empire's electrical system. Disconnecting the net metering unit from Empire's electrical system at the visible disconnect switch and measuring the time required for the unit to cease to energize the output shall satisfy this test. The Customer-Generator shall maintain a record of the results of these tests and, upon request by Empire, shall provide a copy of the test results to Empire. If the Customer-Generator is unable to provide a copy of the test results upon request, Empire shall notify the Customer-Generator by mail that Customer-Generator has thirty (30) days from the date the Customer-Generator receives the request to provide to Empire, the results of a test. If the Customer-Generator's equipment ever fails this test, the Customer-Generator shall immediately disconnect the Customer-Generator's System from Empire's system. If the Customer-Generator does not provide results of a test to Empire within thirty (30) days of receiving a request from Empire or the results of the test provided to Empire show that the Customer-Generator's net metering unit is not functioning correctly, Empire may immediately disconnect the Customer-Generator's System from Empire's system. The Customer-Generator's System shall not be reconnected to Empire's electrical system by the Customer-Generator until the Customer-Generator's System is repaired and operating in a normal and safe manner.

I have read, understand, and accept the provisions of Section D, subsections 1 through 8 of this Application/Agreement.

Signed (Customer-Generator): _____ Date: _____

DATE OF ISSUE December 28, 2006
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE January 27, 2007
December 14, 2007

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 3rd Revised Sheet No. 15
Cancelling P.S.C. Mo. No. 5For ALL TERRITORYNo supplement to this tariff will be issued except
for the purpose of cancelling this tariff.Sec. 4 2nd Revised Sheet No. 15
Which was issued 9-26-01NET METERING RIDER
RIDER NM**6) Transfer of Ownership**

If operational control of the Customer-Generator's System transfers to any other party than the Customer-Generator, a new Application/Agreement must be completed by the person or persons taking over operational control of the existing Customer-Generator System. Empire shall be notified no less than thirty (30) days before the Customer-Generator anticipates transfer of operational control of the Customer-Generator's System. The person or persons taking over the operational control of Customer-Generator's System must file a new Application/Agreement, and must receive authorization from Empire before the existing Customer-Generator System can remain interconnected with Empire's electrical system. The new Application/Agreement will only need to be completed to the extent necessary to affirm that the new person or persons having operational control of the existing Consumer-Generator System completely understand the provisions of this Application/Agreement and agrees to them. In no changes are being made to the Customer-Generator's System, completing sections A, D and F of this Application/Agreement will satisfy this requirement. If no changes are being proposed to the Customer-Generator System, Empire will assess no charges or fees for this transfer. Empire will review the new Application/Agreement and shall approve such, within fifteen (15) days if the new Customer-Generator has satisfactorily completed the Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. Empire will then complete section G and forward a copy of the completed Application/Agreement back to the new Customer-Generator, thereby notifying the new Customer-Generator that the new Customer-Generator is authorized to operate the existing Customer-Generator System in parallel with Empire's electrical system. If any changes are planned to be made in the existing Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics, then the Customer-Generator shall submit to Empire a new Application/Agreement for the entire Customer-Generator System and all portions of the Application/Agreement must be completed.

7) Dispute Resolution

If any agreements between the Customer-Generator and Empire arise that cannot be resolved through normal negotiations between them, the disagreements may be brought to the Missouri Public Service Commission by either party, through an informal or formal complaint. Procedures for filing and processing these complaints are described in 4 CSR 240-2.070. The complaint procedures described in 4 CSR 240-2.070 apply only to retail electric power suppliers to the extent that they are regulated by the Missouri Public Service Commission.

8) Testing Requirement

The Customer-Generator must, at least once every year, conduct a test to confirm that the Customer-Generator's net metering unit automatically ceases to energize the output (interconnection equipment output voltage goes to zero) within two (2) seconds of being disconnected from Empire's electrical system. Disconnecting the net metering unit from Empire's electrical system at the visible disconnect switch and measuring the time required for the unit to cease to energize the output shall satisfy this test. The Customer-Generator shall maintain a record of the results of these tests and, upon request by Empire, shall provide a copy of the test results to Empire. If the Customer-Generator is unable to provide a copy of the test results upon request, Empire shall notify the Customer-Generator by mail that Customer-Generator has thirty (30) days from the date the Customer-Generator receives the request to provide to Empire, the results of a test. If the Customer-Generator's equipment ever fails this test, the Customer-Generator shall immediately disconnect the Customer-Generator's System from Empire's system. If the Customer-Generator does not provide results of a test to Empire within thirty (30) days of receiving a request from Empire or the results of the test provided to Empire show that the Customer-Generator's net metering unit is not functioning correctly, Empire may immediately disconnect the Customer-Generator's System from Empire's system. The Customer-Generator's System shall not be reconnected to Empire's electrical system by the Customer-Generator until the Customer-Generator's System is repaired and operating in a normal and safe manner.

I have read, understand, and accept the provisions of Section D, subsections 1 through 8 of this Application/Agreement.

Signed (Customer-Generator): _____ Date: _____

DATE OF ISSUE August 12, 2003
ISSUED BY David W. Gibson, Vice President, Joplin, MO

DATE EFFECTIVE September 11, 2003

August 28, 2003

Filed
MO PSC

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION
THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5

Sec. 4 2nd Revised Sheet No. 15
Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY

No supplement to this tariff will be issued except
for the purpose of cancelling this tariff.

Sec. 4 1st Revised Sheet No. 15
Which was issued 1-28-98

Missouri Public Service Commission

REC'D SEP 26 2001

CANCELLED

AUG 28 2003
3rd RS 15
Public Service Commission
MISSOURI
This page is blank.

Missouri Public Service Commission
01-299

FILED OCT 02 2001

DATE OF ISSUE September 26, 2001 DATE EFFECTIVE October 25, 2001
ISSUED BY David W. Gibson, Vice President-Finance, Joplin, MO

OCT 02 2001

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 1st Revised Sheet No. 15
Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

Sec. 4 Original Sheet No. 15
Which Was Issued 04-25-94

RECEIVED

**RESIDENTIAL CONSERVATION PACKET PILOT PROGRAM
SCHEDULE RCP**

JAN 26 1998

APPLICATION:

**MISSOURI
Public Service Commission**

This rate schedule provides for the free installation of conservation packets for residential Customers meeting the criteria set forth in this schedule as a pilot program to assist low-income residential Customers in making more efficient usage of electrical energy. The measures included in the conservation packets can provide energy savings in water heating and space conditioning as well as an opportunity to educate these Customers about the benefits of an energy efficient lifestyle.

AVAILABILITY:

This program shall be available for a period of two years from the effective date or until 400 conservation packets are installed, whichever occurs first. The program will be offered to residential Customers of the Company through not-for-profit assistance agencies working in conjunction with the Company and operating within the service area of the Company.

Assistance agencies with whom the Company has an agreement to administer this program will identify potential recipients of the conservation measures. If the Customer agrees to accept the installation of the measures, the assistance agency will request the material from the Company and the Company will provide it to the agency without charge. The agency shall provide documentation of the installation of the measures. The agency is responsible for the installation of the following materials as applicable in the residence of the Customer:

- One (1) water heater insulation blanket
- Up to six (6) feet of hot water pipe insulation
- One (1) low-flow shower head
- Up to four (4) switch cover insulators
- Up to eight (8) outlet cover insulators

CANCELLED

OCT 02 2001

By *2/24/RS/IS*

Public Service Commission
MISSOURI

Customers will also receive energy conservation pamphlets providing tips on the operation and maintenance of energy consuming equipment, as well as tips on purchasing efficient equipment in the future.

TERMS AND CONDITIONS:

1. The conservation packet program shall only be available to assistance agencies, approved by the Company and within the Company's service area for installation in residences that meet the agency's criteria.
2. The Customer is not required to pay any part of the cost of the materials or the installation of the materials included in the conservation packet.
3. There shall be a limit of one conservation packet per residence during this pilot program.
4. All other terms and provisions of the applicable rate schedule and the Company's Rules and Regulations will be in full force and effect.

FILED

FEB 27 1998

**MISSOURI
Public Service Commission**

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 Original Sheet No. 15
Cancelling P.S.C. Mo. No. _____

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

Sec. _____ Original Sheet No. _____
Which was issued _____

RECEIVED

**RESIDENTIAL CONSERVATION PACKET PILOT PROGRAM
SCHEDULE RCP**

APR 21 1994

**MISSOURI
Public Service Commission**

APPLICATION:

This rate schedule provides for the free installation of conservation packets for residential Customers meeting the criteria set forth in this schedule as a pilot program to test the cost effectiveness of direct installation of low cost conservation measures against the Company's supply side options. The measures included in the conservation packets can provide energy savings in water heating and space conditioning.

AVAILABILITY:

This pilot program shall be available for a period of two years from the effective date of tariffs implementing this schedule, or until 400 conservation packets are installed. The program will be offered to residential electric water heating Customers of the Company who contact the Company for any service that would bring a customer service consultant into their home, or who request the packet. It will be uniformly offered to all such Customers meeting this criteria.

The Company will offer to provide and install the conservation packet measures for eligible Customers. If the Customer accepts the Company's offer, a Company representative will install the following measures in the Customer's residence:

- One (1) water heater insulation blanket
- Up to six (6) feet of hot water pipe insulation
- One (1) low-flow shower head
- Up to four (4) switch cover insulators
- Up to eight (8) outlet cover insulators

Customers will also receive energy conservation pamphlets providing tips on the operation and maintenance of energy consuming equipment, as well as tips on purchasing efficient equipment in the future.

TERMS AND CONDITIONS:

1. The conservation packet program shall be available to residential electric water heating Customers of the Company only.
2. Acceptance of the conservation packet by the Customer gives the Company the right to install all of the above measures in the Customer's residence.
3. The Customer is not required to pay any part of the cost of the materials or the installation of the materials included in the conservation packet.
4. There shall be a limit of one conservation packet per residence during this pilot program.
5. All other terms and provisions of the applicable rate schedule and the Company's Rules and Regulations will be in full force and effect.

CANCELLED

FEB 27 1998
By [Signature]
Public Service Commission
MISSOURI

FILED

MAY 25 1994

**MISSOURI
Public Service Commission**

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 15a

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 15a

For ALL TERRITORY

NET METERING RIDER
RIDER NM

For Customers Who Are Installing Solar Systems:

Customer-Generators who are Missouri electric utility retail account holders will receive a solar rebate, if available, based on the capacity stated in the application, or the installed capacity of the Customer-Generator System if it is lower, if the following requirements are met:

- a. Empire must have confirmed the Customer-Generator's System is operational; and
- b. Sections H and I of this Application must be completed.

The amount of the rebate will be based on the system capacity measured in direct current. The rebate will be based on the schedule below up to a maximum of 25,000 watts (25kW) for residential customers, and up to a maximum of 100,000 watts (100 kW) for non-residential customers.

- \$2.00 per watt for systems operational on or before June 30, 2014;
- \$1.50 per watt for systems operational between July 1, 2014 and June 30, 2015;
- \$1.00 per watt for systems operational between July 1, 2015 and June 30, 2016;
- \$0.50 per watt for systems operational between July 1, 2016 and June 30, 2019;
- \$0.25 per watt for systems operational between July 1, 2019 and December 31, 2023;
- \$0.00 per watt for systems operational between December 31, 2023;

For Customers Who Are Assuming Ownership or Operational Control of an Existing Customer-Generator System:

If no changes are being made to the existing Customer-Generator System, complete sections A, D and F of this Application/Agreement and forward to Empire at the address above. Empire will review the new Application/Agreement and shall approve such, within fifteen (15) days of receipt by Empire if the new Customer-Generator has satisfactorily completed Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. There are no fees or charges for the Customer-Generator who is assuming ownership or operational control of an existing Customer-Generator System if no modifications are being proposed to that System.

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE July 27, 2018 DATE EFFECTIVE August 28, 2018
ISSUED BY Christopher D. Krygier, Director, Rates & Regulatory Affairs, Joplin, MO

FILED
Missouri Public
Service Commission
JE-2019-0010

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 15a

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

For ALL TERRITORY

**NET METERING RIDER
RIDER NM**

For Customers Who Are Installing Solar Systems:

Customer-Generators who are Missouri electric utility retail account holders will receive a solar rebate, if available, based on the capacity stated in the application, or the installed capacity of the Customer-Generator System if it is lower, if the following requirements are met:

- a. Empire must have confirmed the Customer-Generator's System is operational; and
- b. Sections H and I of this Application must be completed.

The amount of the rebate will be based on the system capacity measured in direct current. The rebate will be based on the schedule below up to a maximum of 25,000 watts (25kW).

- \$2.00 per watt for systems operational on or before June 30, 2014;
- \$1.50 per watt for systems operational between July 1, 2014 and June 30, 2015;
- \$1.00 per watt for systems operational between July 1, 2015 and June 30, 2016;
- \$0.50 per watt for systems operational between July 1, 2016 and June 30, 2019;
- \$0.25 per watt for systems operational between July 1, 2019 and June 30, 2020;
- \$0.00 per watt for systems operational between June 30, 2020.;

For Customers Who Are Assuming Ownership or Operational Control of an Existing Customer-Generator System:

If no changes are being made to the existing Customer-Generator System, complete sections A, D and F of this Application/Agreement and forward to Empire at the address above. Empire will review the new Application/Agreement and shall approve such, within fifteen (15) days of receipt by Empire if the new Customer-Generator has satisfactorily completed Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. There are no fees or charges for the Customer-Generator who is assuming ownership or operational control of an existing Customer-Generator System if no modifications are being proposed to that System.

CANCELLED
August 28, 2018
Missouri Public
Service Commission
JE-2019-0010

DATE OF ISSUE February 23, 2017
ISSUED BY Chris Krygier, Director Planning & Regulatory

DATE EFFECTIVE March 25, 2017 **FILED**

Missouri Public
Service Commission
JE-2017-0166

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 9th Revised Sheet No. 16

Canceling P.S.C. Mo. No. 5 Sec. 4 8th Revised Sheet No. 16

For ALL TERRITORY

NET METERING RIDER
RIDER NM

A. Customer-Generator's Information

Name on Empire's Electric Account:
Service/Street Address:
City: State: Zip Code:
Mailing Address (if different from above):
City: State: Zip Code:
Email address (if available):
Electric Account Holder Contact Person:
Daytime Phone: Fax: E-Mail:
Emergency Contact Phone:
Empire Account No. (from Utility Bill):
If account has multiple meters, provide the meter number to which generation will be connected:
Empire's Account No. (from Utility Bill): Shall be inserted at the top of each page.

B. Customer-Generator's System Information

Manufacturer Name Plate Power Rating: kW AC DC (check box)
Voltage: Volts
System Type: Wind Fuel Cell Solar Thermal Photovoltaic Hydroelectric Other (If other describe on line below)

Inverter/Interconnection Equipment Manufacturer:
Inverter/Interconnection Equipment Model No.:
Outdoor Manual/Utility Accessible & Lockable Disconnect Switch Distance from Meter:
Certify that the disconnect switch will be located adjacent to the Customer-Generator's electric service meter or explain where and why an alternative location of disconnect switch is being requested:

Existing Electrical Service Capacity: Amperes Voltage: Volts
Service Character: Single Phase Three Phase
Total capacity of existing Customer-Generator System (if applicable): kW

System Plans, Specifications, and Wiring Diagram must be attached for a valid application.

C. Installation Information / Hardware and Installation Compliance

Company Installing System:
Contact Person of Company Installing System: Phone Number:
Contractor's License No. (if applicable):
Approximate Installation Date:
Mailing Address:
City: State: Zip Code:
Daytime Phone: Fax: E-Mail:
Person or Agency Who Will Inspect/Certify Installation:

The Customer-Generator's proposed System hardware complies with all applicable National Electric Safety Code (NESC), National Electric Code (NEC), Institute of Electrical and Electronics Engineers (IEEE), Underwriters Laboratories (UL), requirements for electrical equipment and their installation. As applicable to System type, these requirements include, but are not limited to, UL 1703, UL 1741, and IEEE 1547. The proposed installation complies with all applicable local electrical codes and all reasonable safety requirements of Empire. The proposed System has a lockable, visible AC disconnect device, accessible at all times to Empire personnel and switch is located adjacent to the Customer-Generator's electric service meter (except in cases where the Company has approved an alternate location). The System is only required to include one lockable, visible disconnect device, accessible to Empire. If the interconnection equipment is equipped with a visible, lockable, and accessible disconnect, no redundant device is needed to meet this requirement. The Customer-Generator's proposed System has functioning controls to prevent voltage flicker, DC injection, overvoltage, undervoltage, overfrequency, underfrequency, and overcurrent, and to provide for System synchronization to Empire's electrical system. The proposed System does have an anti-islanding function that prevents the generator from continuing to supply power when Empire's electrical system is not energized or operating normally.

CANCELLED
September 16, 2020
Missouri Public
Service Commission

ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE February 23, 2017
ISSUED BY Chris Krygier, Director Planning & Regulatory

DATE EFFECTIVE March 25, 2017

FILED
Missouri Public
Service Commission
JE-2017-0166

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 8th Revised Sheet No. 16

Canceling P.S.C. Mo. No. 5 Sec. 4 7th Revised Sheet No. 16

For ALL TERRITORY

NET METERING RIDER
RIDER NM

A. Customer-Generator's Information

Name on Empire Electric Account: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Service/Street Address (if different from above): _____

City: _____ State: _____ Zip Code: _____

Daytime Phone: _____ Fax: _____ E-Mail: _____

Emergency Contact Phone: _____

Empire Account No. (from Utility Bill): _____

If account has multiple meters, provide the meter number to which generation will be connected: _____

B. Customer-Generator's System Information

Manufacturer Nameplate Power Rating: _____ kW AC DC (check box)

Voltage: _____ Volts

System Type: Wind Fuel Cell Solar Thermal Photovoltaic Hydroelectric Other (If other describe on line below)

Inverter/Interconnection Equipment Manufacturer: _____

Inverter/Interconnection Equipment Model No.: _____

Inverter/Interconnection Equipment Location (describe): _____

Outdoor Manual/Utility Accessible & Lockable Disconnect Switch Distance from Meter: _____

Describe the location of the disconnect switch: _____

Disconnect Switch Manufacturer: _____

Disconnect Switch Model: _____

Existing Electrical Service Capacity: _____ Amperes Voltage: _____ Volts

Service Character: Single Phase _____ Three Phase _____

Total capacity of existing Customer-Generator System (if applicable): _____ kW

System Plans, Specifications, and Wiring Diagram must be attached for a valid application.

C. Installation Information / Hardware and Installation Compliance

Company Installing System: _____

Contact Person of Company Installing System: _____ Phone Number: _____

Contractor's License No. (if applicable): _____

Approximate Installation Date: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Daytime Phone: _____ Fax: _____ E-Mail: _____

Person or Agency Who Will Inspect/Certify Installation: _____

The Customer-Generator's proposed System hardware complies with all applicable National Electric Safety Code (NESC), National Electric Code (NEC), Institute of Electrical and Electronics Engineers (IEEE), Underwriters Laboratories (UL), requirements for electrical equipment and their installation. As applicable to System type, these requirements include, but are not limited to, UL 1741, and IEEE 1547. The proposed installation complies with all applicable local electrical codes and all reasonable safety requirements of Empire. The proposed System has a lockable, visible AC disconnect device, accessible at all times to Empire personnel. The System is only required to include one lockable, visible disconnect device, accessible to Empire. If the interconnection equipment is equipped with a visible, lockable, and accessible disconnect, no redundant device is needed to meet this requirement. The Customer-Generator's proposed System has functioning controls to prevent voltage flicker, DC injection, overvoltage, undervoltage, overfrequency, underfrequency, and overcurrent, and to provide for System synchronization to Empire's electrical system. The proposed System does have an anti-islanding function that prevents the generator from continuing to supply power when Empire's electrical system is not energized or operating normally. If the proposed System is

CANCELLED
March 25, 2017
Missouri Public
Service Commission
JE-2017-0166

DATE OF ISSUE May 5, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~June 4, 2015~~

May 16, 2015

FILED
Missouri Public
Service Commission
ET-2015-0285; YE-2015-0323

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 7th Revised Sheet No. 16

Canceling P.S.C. Mo. No. 5 Sec. 4 6th Revised Sheet No. 16

For ALL TERRITORY

NET METERING RIDER
RIDER NM

A. Customer-Generator's Information

Name on Empire Electric Account: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Service/Street Address (if different from above): _____

City: _____ State: _____ Zip Code: _____

Daytime Phone: _____ Fax: _____ E-Mail: _____

Emergency Contact Phone: _____

Empire Account No. (from Utility Bill): _____

If account has multiple meters, provide the meter number to which generation will be connected: _____

B. Customer-Generator's System Information

Manufacturer Name Plate (if applicable) AC Power Rating: _____ kW AC or DR (circle one)

Voltage: _____ Volts

System Type: _____ Wind _____ Fuel Cell _____ Solar Thermal _____ Photovoltaic _____ Hydroelectric _____ Other (describe) _____

Inverter/Interconnection Equipment Manufacturer: _____

Inverter/Interconnection Equipment Model No.: _____

Inverter/Interconnection Equipment Location (describe): _____

Outdoor Manual/Utility Accessible & Lockable Disconnect Switch Distance from Meter: _____

Describe the location of the disconnect switch: _____

Existing Electrical Service Capacity: _____ Amperes Voltage: _____ Volts

Service Character: Single Phase _____ Three Phase _____

Total capacity of existing Customer-Generator System (if applicable): _____ kW

System Plans, Specifications, and Wiring Diagram must be attached for a valid application.

C. Installation Information / Hardware and Installation Compliance

Company Installing System: _____

Contact Person of Company Installing System: _____ Phone Number: _____

Contractor's License No. (if applicable): _____

Approximate Installation Date: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Daytime Phone: _____ Fax: _____ E-Mail: _____

Person or Agency Who Will Inspect/Certify Installation: _____

The Customer-Generator's proposed System hardware complies with all applicable National Electric Safety Code (NESC), National Electric Code (NEC), Institute of Electrical and Electronics Engineers (IEEE), Underwriters Laboratories (UL), requirements for electrical equipment and their installation. As applicable to System type, these requirements include, but are not limited to, UL 1741, and IEEE 1547. The proposed installation complies with all applicable local electrical codes and all reasonable safety requirements of Empire. The proposed System has a lockable, visible AC disconnect device, accessible at all times to Empire personnel. The System is only required to include one lockable, visible disconnect device, accessible to Empire. If the interconnection equipment is equipped with a visible, lockable, and accessible disconnect, no redundant device is needed to meet this requirement. The Customer-Generator's proposed System has functioning controls to prevent voltage flicker, DC injection, overvoltage, undervoltage, overfrequency, underfrequency, and overcurrent, and to provide for System synchronization to Empire's electrical system. The proposed System does have an anti-islanding function that prevents the generator from continuing to supply power when Empire's electrical system is not energized or operating normally. If the proposed System is designed to provide

DATE OF ISSUE December 13, 2012 DATE EFFECTIVE January 12, 2013

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

~~CANCELLED~~

May 16, 2015

Missouri Public

Service Commission

ET-2015-0285; YE-2015-0323

FILED
Missouri Public
Service Commission
JE-2013-0267

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 6th Revised Sheet No. 16

Canceling P.S.C. Mo. No. 5 Sec. 4 5th Revised Sheet No. 16

For ALL TERRITORY

NET METERING RIDER
RIDER NM

A. Customer-Generator's Information

Name: _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Service/Street Address (if different from above): _____
City: _____ State: _____ Zip Code: _____
Daytime Phone: _____ Fax: _____ E-Mail: _____
Emergency Contact Phone: _____
Empire Account No. (from Utility Bill): _____

B. Customer-Generator's System Information

Manufacturer Name Plate (if applicable) AC Powr Rating: _____ kW Voltage: _____ Volts
System Type: Solar _____ Wind _____ Biomass _____ Fuel Cell _____ Other (describe) _____
Service/Street Address: _____
Inverter/Interconnection Equipment Manufacturer: _____
Inverter/Interconnection Equipment Model No.: _____
Are Required System Plans & Specifications attached? Yes _____ No _____
Inverter/Interconnection Equipment Location (describe): _____
Outdoor Manual/Utility Accessible & Lockable Disconnect Switch Location (describe): _____
Existing Electrical Service Capacity: _____ Amperes Voltage: _____ volts
Service Character: Single Phase _____ Three Phase _____

C. Installation Information / Hardware and Installation Compliance

Person or Company Installing: _____
Contractor's License No. (if applicable): _____
Approximate Installation Date: _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Daytime Phone: _____ Fax: _____ E-Mail: _____
Person or Agency Who Will Inspect/Certify Installation: _____

The Customer-Generator's proposed System hardware complies with all applicable National Electric Safety Code (NESC), National Electric Code (NEC), Institute of Electrical and Electronics Engineers (IEEE), Underwriters Laboratories (UL), and all local governing authorities' requirements for electrical equipment and their installation. As applicable to System type, these requirements include, but are not limited to, UL 1741, IEEE 929-2000 and IEEE 1547. The proposed System has a lockable, visible disconnect device, accessible at all times to Empire personnel. The System is only required to include one lockable, visible disconnect device, accessible to Empire. If the interconnection equipment is equipped with a visible, lockable, and accessible disconnect, no redundant device is needed to meet this requirement.

The Customer-Generator's proposed System has functioning controls to prevent voltage flicker, DC injection, overvoltage, undervoltage, overfrequency, underfrequency, and overcurrent, and to provide for System synchronization to Empire's electrical system. The proposed System does have an anti-islanding function that prevents the generator from continuing to supply power when Empire's electrical system is not energized or operating normally. If the proposed System is designed to provide uninterruptible power to critical loads, either through energy storage or back-up generation, the proposed System includes a parallel blocking scheme for this backup source that prevents any backflow of power to Empire's electrical system when the electrical system is not energized or not operating normally. These requirements are based on IEEE standards.

Signed (Installer): _____ Date: _____
Name (Print): _____

CANCELLED
January 12, 2013
Missouri Public
Service Commission
JE-2013-0267

DATE OF ISSUE January 3, 2008 DATE EFFECTIVE February 2, 2008
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

FILED
Missouri Public
Service Commission
ET-2008-0223

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 5th Revised Sheet No. 16

Canceling P.S.C. Mo. No. 5 Sec. 4 4th Revised Sheet No. 16

For ALL TERRITORY

**NET METERING RIDER
RIDER NM**

E. Electrical Inspection

The Customer-Generator System referenced above satisfies all requirements noted in Section C.

Inspector Name (Print): _____

Inspector Certification: I am a Licensed Engineer in Missouri _____ or I am a Licensed Electrician in Missouri _____

License No. _____

Signed (Inspector): _____ Date: _____

F. Customer-Generator Acknowledgement

I am aware if the Customer-Generator System installed on my premises and I have been given warranty information and/or an operational manual for that system. Also, I have been provided with a copy of Empire's parallel generation tariff or rate schedule (as applicable) and interconnection requirements. I am familiar with the operation of the Customer-Generator System.

I agree to abide by the terms of this Application/Agreement and I agree to operate and maintain the Customer-Generator System in accordance with the manufacturer's recommended practices as well as Empire's interconnection standards. If, at any time and for any reason, I believe that the Customer-Generator System is operating in an unusual manner that may result in any disturbances on Empire's electrical system, I shall disconnect the Customer-Generator System and not reconnect it to Empire's electrical system until the Customer-Generator System is operating normally after repair or inspection. Further, I agree to notify Empire no less than thirty (30) days prior to modification of the components or design of the Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics. I acknowledge that any such modifications will require submission of a new Application/Agreement to Empire.

I agree not to operate the Customer-Generator System in parallel with Empire's electrical system until this Application/Agreement has been approved by Empire.

Signed (Customer-Generator): _____ Date: _____

G. Utility Application Approval (completed by The Empire District Electric Company)

Empire does not, by approval of this Application/Agreement, assume any responsibility or liability for damage to property or physical injury due to malfunction of the Customer-Generator's System or the Customer-Generator's negligence.

This Application is approved by Empire on this _____ day of _____ (month). _____ (year).

Empire Representative Name (Print): _____

Signed Empire Representative: _____

DATE OF ISSUE December 28, 2006
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~January 27, 2007~~
December 14, 2007

CANCELLED
February 1, 2008
Missouri Public
Service Commission

ER-2006-0315

Filed
Missouri Public
Service Commission

For ALL TERRITORY
No supplement to this tariff will be issued except
for the purpose of cancelling this tariff.

NET METERING RIDER
RIDER NM

E. Electrical Inspection

The Customer-Generator System referenced above satisfies all requirements noted in Section C.

Inspector Name (Print): _____
Inspector Certification: I am a Licensed Engineer in Missouri _____ or I am a Licensed Electrician in Missouri _____
License No. _____

Signed (Inspector): _____ Date: _____

F. Customer-Generator Acknowledgement

I am aware if the Customer-Generator System installed on my premises and I have been given warranty information and/or an operational manual for that system. Also, I have been provided with a copy of Empire's parallel generation tariff or rate schedule (as applicable) and interconnection requirements. I am familiar with the operation of the Customer-Generator System.

I agree to abide by the terms of this Application/Agreement and I agree to operate and maintain the Customer-Generator System in accordance with the manufacturer's recommended practices as well as Empire's interconnection standards. If, at any time and for any reason, I believe that the Customer-Generator System is operating in an unusual manner that may result in any disturbances on Empire's electrical system, I shall disconnect the Customer-Generator System and not reconnect it to Empire's electrical system until the Customer-Generator System is operating normally after repair or inspection. Further, I agree to notify Empire no less than thirty (30) days prior to modification of the components or design of the Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics. I acknowledge that any such modifications will require submission of a new Application/Agreement to Empire.

I agree not to operate the Customer-Generator System in parallel with Empire's electrical system until this Application/Agreement has been approved by Empire.

Signed (Customer-Generator): _____ Date: _____

G. Utility Application Approval (completed by The Empire District Electric Company)

Empire does not, by approval of this Application/Agreement, assume any responsibility or liability for damage to property or physical injury due to malfunction of the Customer-Generator's System or the Customer-Generator's negligence.

This Application is approved by Empire on this _____ day of _____ (month). _____ (year).
Empire Representative Name (Print): _____

Signed Empire Representative: _____

DATE OF ISSUE August 12, 2003
ISSUED BY David W. Gibson, Vice President, Joplin, MO

DATE EFFECTIVE ~~September 11, 2003~~

August 28, 2003

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION

P.S.C. Mo. No. 5

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 3rd Revised Sheet No. 16
Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

Sec. 4 2nd Revised Sheet No. 16
Which was issued 12-19-97

Missouri Public Service Commission

REC'D SEP 26 2001

CANCELLED

AUG 28 2003
By 4HRS/K
Public Service Commission
MISSOURI

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Missouri Public Service Commission
01-299
FILED OCT 02 2001

OCT 02 2001

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION
THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5

Sec. 4 2nd Revised Sheet No. 16
Cancelling P.S.C. Mo. No. 5
Sec. 4 1st Revised Sheet No. 16
Which was issued 11-25-96

For ALL TERRITORY
No supplement to this tariff will be issued except
for the purpose of cancelling this tariff.

RECEIVED

E HOME PILOT PROGRAM
SCHEDULE EH

DEC 17 1997

MISSOURI
Public Service Commission

APPLICATION:

This rate schedule provides for the offer of a Comfort Guarantee to new residential Customers of the Company who install electric central air conditioning systems in homes built to the Company's E Home Program standards, and to existing Customers who install new electric central air conditioning systems in their homes after upgrading them to meet the E Home Program standards. This will serve as a pilot program to test the cost effectiveness of the E Home Program for achieving demand side management goals for efficiency and demand reduction.

AVAILABILITY:

This program shall be continued until December 31, 1998, and will be uniformly offered to all residential Customers meeting the criteria set out in this schedule.

The Company will provide program information and technical assistance to all new residential Customers who express an interest in building their home to E Home Program standards, and to all existing Customers who express an interest in upgrading their home to E Home Program standards.

CERTIFICATION:

Any Customer wishing to have a home certified as an E Home should inform the Company at the beginning of the construction or remodeling process. The Company will supply the Customer with the information necessary to understand the requirements for certification.

In order to be certified as an E Home, the minimum standards for the building envelope and the equipment used in the home, as well as the HVAC Quality Installation Standards, must be met. Participants will also be encouraged to incorporate features into their homes that contribute to improved indoor air quality, environmental awareness, and the use of solar energy. These standards and recommendations are found in the Empire E Home Implementation Manual.

The Company will conduct compliance verification checks as needed throughout the construction or remodeling process to assure that program requirements have been met. Once the Company has verified that the appropriate standards have been met, the Customer's home will be certified as an E Home.

COMFORT GUARANTEE:

When a home is certified as an E Home and new electric central air conditioning equipment, sized within 1/2 ton of the cooling load calculated by Empire is installed in the home, the Company will offer to the owner of the certified home an "E Home Comfort Guarantee". As more specifically stated in the guarantee, if after twelve months of occupancy, the Customer is dissatisfied with the cooling comfort provided by the electric central air conditioning system due to equipment sizing, and if the Customer's dissatisfaction is not resolved within a reasonable time, the Company will convert the system to a new system of the same type, sized according to the Customer's wishes, subject to the terms and conditions of the guarantee. This agreement between the Company and the Customer shall be in the form set out in sheet no. 17.

Other promotional items, such as brochures, yard and site signs, and outdoor pennants carrying the Empire E Home Logo will be offered to participating builders to assist them with their marketing efforts at the point of sale when building homes to meet the E Home Program standards.

CANCELLED

OCT 02 2001
3rd RS 14
Public Service Commission
MISSOURI

JAN 18 1998
MO. PUBLIC SERVICE COMM

DATE OF ISSUE December 19, 1997
ISSUED BY R.B. FANCHER, Vice President, Joplin, MO

DATE EFFECTIVE January 18, 1998

THE EMPIRE DISTRICT ELECTRIC COMPANY

RECEIVED

Sec. 4 1st Revised Sheet No. 16
Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

NOV 21 1996

Sec. 4 Original Sheet No. 16
Which was issued 12-01-94

E HOME PILOT PROGRAM
Service SCHEDULE EH

APPLICATION:

This rate schedule provides for the offer of a Comfort Guarantee to new residential Customers of the Company who install electric central air conditioning systems in homes built to the Company's E Home Program standards, and to existing Customers who install new electric central air conditioning systems in their homes after upgrading them to meet the E Home Program standards. This will serve as a pilot program to test the cost effectiveness of the E Home Program for achieving demand side management goals for efficiency and demand reduction.

AVAILABILITY:

This program shall be continued until December 31, 1997, and will be uniformly offered to all residential Customers meeting the criteria set out in this schedule.

The Company will provide program information and technical assistance to all new residential Customers who express an interest in building their home to E Home Program standards, and to all existing Customers who express an interest in upgrading their home to E Home Program standards.

CERTIFICATION:

Any Customer wishing to have a home certified as an E Home should inform the Company at the beginning of the construction or remodeling process. The Company will supply the Customer with the information necessary to understand the requirements for certification.

In order to be certified as an E Home, the minimum standards for the building envelope and the equipment used in the home, as well as the HVAC Quality Installation Standards, must be met. Participants will also be encouraged to incorporate features into their homes that contribute to improved indoor air quality, environmental awareness, and the use of solar energy. These standards and recommendations are found in the Empire E Home Implementation Manual.

The Company will conduct compliance verification checks as needed throughout the construction or remodeling process to assure that program requirements have been met. Once the Company has verified that the appropriate standards have been met, the Customer's home will be certified as an E Home.

COMFORT GUARANTEE:

When a home is certified as an E Home and new electric central air conditioning equipment, sized within 1/2 ton of the cooling load calculated by Empire is installed in the home, the Company will offer to the owner of the certified home an "E Home Comfort Guarantee". As more specifically stated in the guarantee, if after twelve months of occupancy, the Customer is dissatisfied with the cooling comfort provided by the electric central air conditioning system due to equipment sizing, and if the Customer's dissatisfaction is not resolved within a reasonable time, the Company will convert the system to a new system of the same type, sized according to the Customer's wishes, subject to the terms and conditions of the guarantee. This agreement between the Company and the Customer shall be in the form set out in sheet no. 17.

Other promotional items, such as brochures, yard and site signs, and outdoor pennants carrying the Empire E Home Logo will be offered to participating builders to assist them with their marketing efforts at the point of sale when building homes to meet the E Home Program standards.

CANCELLED

FILED

JAN 18 1998

DEC 25 1996

2nd RS 16

Public Service Commission
MISSOURI

MO. PUBLIC SERVICE COMMISSION

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 Original Sheet No. 16

Cancelling P.S.C. Mo. No. _____

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

Sec. _____ Revised Sheet No. _____

Which was issued _____

RECEIVED
DEC 1 1994

E HOME PILOT PROGRAM
SCHEDULE EH

MISSOURI

Public Service Commission

APPLICATION:

This rate schedule provides for the offer of a Comfort Guarantee to new residential Customers of the Company who install electric central air conditioning systems in homes built to the Company's E Home Program standards, and to existing Customers who install new electric central air conditioning systems in their homes after upgrading them to meet the E Home Program standards. This will serve as a pilot program to test the cost effectiveness of the E Home Program for achieving demand side management goals for efficiency and demand reduction.

AVAILABILITY:

This program shall only be available for two years from the effective date of tariffs implementing this schedule, and will be uniformly offered to all residential Customers meeting the criteria set out in this schedule.

The Company will provide program information and technical assistance to all new residential Customers who express an interest in building their home to E Home Program standards, and to all existing Customers who express an interest in upgrading their home to E Home Program standards.

CERTIFICATION:

Any Customer wishing to have a home certified as an E Home should inform the Company at the beginning of the construction or remodeling process. The Company will supply the Customer with the information necessary to understand the requirements for certification.

In order to be certified as an E Home, the minimum standards for the building envelope and the equipment used in the home, as well as the HVAC Quality Installation Standards, must be met. Participants will also be encouraged to incorporate features into their homes that contribute to improved indoor air quality, environmental awareness, and the use of solar energy. These standards and recommendations are found in the Empire E Home Implementation Manual.

The Company will conduct compliance verification checks as needed throughout the construction or remodeling process to assure that program requirements have been met. Once the Company has verified that the appropriate standards have been met, the Customer's home will be certified as an E Home.

COMFORT GUARANTEE:

When a home is certified as an E Home and new electric central air conditioning equipment, sized within 1/2 ton of the cooling load calculated by Empire is installed in the home, the Company will offer to the owner of the certified home an "E Home Comfort Guarantee". As more specifically stated in the guarantee, if after twelve months of occupancy, the Customer is dissatisfied with the cooling comfort provided by the electric central air conditioning system due to equipment sizing, and if the Customer's dissatisfaction is not resolved within a reasonable time, the Company will convert the system to a new system of the same type, sized according to the Customer's wishes, subject to the terms and conditions of the guarantee. This agreement between the Company and the Customer shall be in the form set out in sheet no. 17.

Other promotional items, such as brochures, yard and site signs, and outdoor pennants carrying the Empire E Home Logo will be offered to participating builders to assist them with their marketing efforts at the point of sale when building homes to meet the E Home Program standards.

CANCELLED

DEC 25 1996

1st RS 16
service comm.

FILED

DEC 9 1994
95 - 4

MO. PUBLIC SERVICE COMM.

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 4th Revised Sheet No. 16a

Canceling P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 16a

For ALL TERRITORY

NET METERING RIDER
RIDER NM

If the proposed System is designed to provide uninterruptible power to critical loads, either through energy storage or back-up generation, the proposed System includes a parallel blocking scheme for this backup source that prevents any backflow of power to Empire's electrical system when the electrical system is not energized or not operating normally.

Signed (Installer): _____ Date: _____
Name (Print): _____

D. Additional Terms and Conditions

In addition to abiding by Empire's other applicable rules and regulations, the Customer-Generator understands and agrees to the following specific terms and conditions:

1) Operation / Disconnection

If it appears to Empire, at any time, in the reasonable exercise of its judgment, that operation of the Customer-Generator's System is adversely affecting safety, power quality or reliability of Empire's electrical system, Empire may immediately disconnect and lock-out the Customer-Generator's System from Empire's electrical system. The Customer-Generator shall permit Empire's employees and inspector's reasonable access to inspect, test, and examine the Customer-Generator's System.

2) Liability

Liability insurance is not required for Customer-Generators of ten kilowatts (10 kW) or less. For generators greater than ten kilowatts (10 kW), the Customer Generator agrees to carry no less than one hundred thousand dollars (\$100,000) of liability insurance that provides for coverage of all risk of liability for personal injuries (including death) and damage to property arising out of or caused by the operation of the Customer-Generator's System. Insurance may be in the form of an existing policy or an endorsement on an existing policy. Customer-Generators, including those whose systems are ten kilowatts (10 kW) or less, may have legal liabilities not covered under their existing insurance policy in the event the Customer-Generator's negligence or other wrongful conduct causes personal injury (including death), damage to property, or other actions and claims.

3) Metering and Distribution Costs

A Customer-Generator's facility shall be equipped with sufficient metering equipment that can measure the net amount of electrical energy produced or consumed by the Customer-Generator. If the Customer-Generator's existing meter equipment does not meet these requirements or if it is necessary for Empire to install additional distribution equipment to accommodate the Customer-Generator's facility, the Customer-Generator shall reimburse Empire for the costs to purchase and install the necessary additional equipment. At the request of the Customer-Generator, such costs may be initially paid for by Empire, and any amount up to the total costs and a reasonable interest charge may be recovered from the Customer-Generator over the course of up to twelve (12) billing cycles. Any subsequent meter testing, maintenance, or meter equipment change necessitated by the Customer-Generator shall be paid for by the Customer-Generator.

4) Ownership of Renewable Energy Credits or Renewable Energy Certificates (RECs)

RECs created through the generation of electricity by the Customer-Owner are owned by the Customer-Generator; however, if the Customer-Generator receives a solar rebate, the Customer-Generator transfers to Empire all right, title, and interest in and to the RECs associated with the new or expanded solar electric system that qualified the Customer-Generator for the solar rebate for a period of ten (10) years from the date the electric utility confirms the solar electric system is installed and operational.

5) Energy Pricing and Billing

The net electric energy delivered to the Customer-Generator shall be billed in accordance with Empire's Applicable Rate Schedules (Tariff Schedule NM). The value of the net electric energy delivered by the Customer-Generator to Empire shall be credited in accordance with the net metering rate schedule(s) (Tariff Schedule NM). The Customer-Generator shall be responsible for all other bill components charged to similarly situated customers.

Net electrical energy measurement shall be calculated in the following manner:

- (a) For a Customer Generator, a retail electric supplier shall measure the net electrical energy produced or consumed during the billing period in accordance with normal metering practices for customers in the same rate class, either by employing a single, bidirectional meter that measures the amount of electrical energy produced and consumed, or by employing multiple meters that separately measure the Customer-Generator's consumption and production of electricity;

CANCELLED
September 16, 2020
Missouri Public
Service Commission

ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE February 23, 2017
ISSUED BY Chris Krygier, Director Planning & Regulatory

DATE EFFECTIVE March 25, 2017 **FILED**

Missouri Public
Service Commission
JE-2017-0166

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 16a

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 16a

For ALL TERRITORY

**NET METERING RIDER
RIDER NM**

designed to provide uninterruptible power to critical loads, either through energy storage or back-up generation, the proposed System includes a parallel blocking scheme for this backup source that prevents any backflow of power to Empire's electrical system when the electrical system is not energized or not operating normally.

Signed (Installer): _____ Date: _____
Name (Print): _____

D. Additional Terms and Conditions

In addition to abiding by Empire's other applicable rules and regulations, the Customer-Generator understands and agrees to the following specific terms and conditions:

1) Operation / Disconnection

If it appears to Empire, at any time, in the reasonable exercise of its judgment, that operation of the Customer-Generator's System is adversely affecting safety, power quality or reliability of Empire's electrical system, Empire may immediately disconnect and lock-out the Customer-Generator's System from Empire's electrical system. The Customer-Generator shall permit Empire's employees and inspector's reasonable access to inspect, test, and examine the Customer-Generator's System.

2) Liability

Liability insurance is not required for Customer-Generators of ten kilowatts (10 kW) or less. For generators greater than ten kilowatts (10 kW), the Customer Generator agrees to carry no less than one hundred thousand dollars (\$100,000) of liability insurance that provides for coverage of all risk of liability for personal injuries (including death) and damage to property arising out of or caused by the operation of the Customer-Generator's System. Insurance may be in the form of an existing policy or an endorsement on an existing policy. Customer-Generators, including those whose systems are ten kilowatts (10 kW) or less, may have legal liabilities not covered under their existing insurance policy in the event the Customer-Generator's negligence or other wrongful conduct causes personal injury (including death), damage to property, or other actions and claims.

3) Metering and Distribution Costs

A Customer-Generator's facility shall be equipped with sufficient metering equipment that can measure the net amount of electrical energy produced or consumed by the Customer-Generator. If the Customer-Generator's existing meter equipment does not meet these requirements or if it is necessary for Empire to install additional distribution equipment to accommodate the Customer-Generator's facility, the Customer-Generator shall reimburse Empire for the costs to purchase and install the necessary additional equipment. Any subsequent meter testing, maintenance, or meter equipment change necessitated by the Customer-Generator shall be paid for by the Customer-Generator.

4) Ownership of Renewable Energy Credits or Renewable Energy Certificates (RECs)

Except as otherwise provided hereafter, RECs created through the generation of electricity by the Customer-Owner are owned by the Customer-Generator until explicitly transferred to another entity. Nothing in this contract gives Empire any preferential entitlement to the RECs generated by the Customer-Generator's system. Application and receipt of solar rebate(s) in accordance with Sections H & I of this agreement will include the transfer of RECs to Empire.

5) Energy Pricing and Billing

The net electric energy delivered to the Customer-Generator shall be billed in accordance with Empire's Applicable Rate Schedules (Tariff Schedule NM). The value of the net electric energy delivered by the Customer-Generator to Empire shall be credited in accordance with the net metering rate schedule(s) (Tariff Schedule NM)

Net electrical energy measurement shall be calculated in the following manner:

- (a) For a Customer Generator, a retail electric supplier shall measure the net electrical energy produced or consumed during the billing period in accordance with normal metering practices for customers in the same rate class, either by employing a single, bidirectional meter that measures the amount of electrical energy produced and consumed, or by employing multiple meters that separately measure the Customer-Generator's consumption and production of electricity;

CANCELLED
March 25, 2017
Missouri Public
Service Commission
JE-2017-0166

DATE OF ISSUE May 5, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~June 4, 2015~~

May 16, 2015

FILED
Missouri Public
Service Commission
ET-2015-0285; YE-2015-0323

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 16a

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 16a

For ALL TERRITORY

**NET METERING RIDER
RIDER NM**

uninterruptible power to critical loads, either through energy storage or back-up generation, the proposed System includes a parallel blocking scheme for this backup source that prevents any backflow of power to Empire's electrical system when the electrical system is not energized or not operating normally.

Signed (Installer): _____ Date: _____
Name (Print): _____

D. Additional Terms and Conditions

In addition to abiding by Empire's other applicable rules and regulations, the Customer-Generator understands and agrees to the following specific terms and conditions:

1) Operation / Disconnection

If it appears to Empire, at any time, in the reasonable exercise of its judgment, that operation of the Customer-Generator 's System is adversely affecting safety, power quality or reliability of Empire's electrical system, Empire may immediately disconnect and lock-out the Customer-Generator's System from Empire's electrical system. The Customer-Generator shall permit Empire's employees and inspector's reasonable access to inspect, test, and examine the Customer-Generator's System.

2) Liability

Liability insurance is not required for Customer-Generators of ten kilowatts (10 kW) or less. For generators greater than ten kilowatts (10 kW), the Customer Generator agrees to carry no less than one hundred thousand dollars (\$100,000) of liability insurance that provides for coverage of all risk of liability for personal injuries (including death) and damage to property arising out of or caused by the operation of the Customer-Generator's System. Insurance may be in the form of an existing policy or an endorsement on an existing policy. Customer- Generators, including those whose systems are ten kilowatts (10 kW) or less, may have legal liabilities not covered under their existing insurance policy in the event the Customer-Generator's negligence or other wrongful conduct causes personal injury (including death), damage to property, or other actions and claims.

3) Metering and Distribution Costs

A Customer-Generator's facility shall be equipped with sufficient metering equipment that can measure the net amount of electrical energy produced or consumed by the Customer-Generator. If the Customer-Generator's existing meter equipment does not meet these requirements or if it is necessary for Empire to install additional distribution equipment to accommodate the Customer-Generator's facility, the Customer-Generator shall reimburse Empire for the costs to purchase and install the necessary additional equipment. At the request of the Customer-Generator, such costs may be initially paid for by Empire, and any amount up to the total costs and a reasonable interest charge may be recovered from the Customer-Generator over the course of up to twelve (12) billing cycles. Any subsequent meter testing, maintenance, or meter equipment change necessitated by the Customer-Generator shall be paid for by the Customer-Generator.

4) Ownership of Renewable Energy Credits or Renewable Energy Certificates (RECs)

RECs created through the generation of electricity by the Customer-Owner are owned by the Customer-Generator until explicitly transferred to another entity. Nothing in this contract gives Empire any preferential entitlement to the RECs generated by the Customer-Generator's system.

5) Energy Pricing and Billing

The net electric energy delivered to the Customer-Generator shall be billed in accordance with Empire's Applicable Rate Schedules (Tariff Schedule NM). The value of the net electric energy delivered by the Customer-Generator to Empire shall be credited in accordance with the net metering rate schedule(s) (Tariff Schedule NM)

Net electrical energy measurement shall be calculated in the following manner:

- (a) For a Customer Generator, a retail electric supplier shall measure the net electrical energy produced or consumed during the billing period in accordance with normal metering practices for customers in the same rate class, either by employing a single, bidirectional meter that measures the amount of electrical energy produced and consumed, or by employing multiple meters that separately measure the Customer-Generator's consumption and production of electricity;

DATE OF ISSUE December 13, 2012 DATE EFFECTIVE January 12, 2013

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

CANCELLED

May 16, 2015

Missouri Public

Service Commission

ET-2015-0285; YE-2015-0323

FILED
Missouri Public
Service Commission
JE-2013-0267

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 16a

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 16a

For ALL TERRITORY

NET METERING RIDER
RIDER NM

D. Additional Terms and Conditions

In addition to abiding by Empire's other applicable rules and regulations, the Customer-Generator understands and agrees to the following specific terms and conditions:

1) Operation / Disconnection

If it appears to Empire, at any time, in the reasonable exercise of its judgment, that operation of the Customer-Generator's System is adversely affecting safety, power quality or reliability of Empire's electrical system, Empire may immediately disconnect and lock-out the Customer-Generator's System from Empire's electrical system. The Customer-Generator shall permit Empire's employees and inspector's reasonable access to inspect, test, and examine the Customer-Generator's System.

2) Liability

The Customer-Generator shall be held responsible for all risk of liability for personal injuries (including death) and damage to property arising out of or caused by the operation of the Customer-Generator's System. In addition, any Customer-Generator with an interconnected generation system greater than 10 kW must carry no less than \$100,000 of liability insurance that provides for coverage of all risk of liability for personal injuries (including death) and damage to property arising out of or caused by the operation of the Customer-Generator's System. Insurance may be in the form of an existing policy or an endorsement on an existing policy.

3) Interconnection Costs

The Customer-Generator shall, at the Customer-Generator's cost and expense, install, operate, maintain, repair, and inspect, and shall be fully responsible for the Customer-Generator's System. The Customer-Generator further agrees to pay or reimburse to Empire all of Empire's Interconnection Costs. Interconnection Costs are the reasonable costs incurred by Empire for: (1) additional tests and analyses of the effects of the operation of the Customer-Generator's System on Empire's local distribution system, (2) additional metering, and (3) any necessary controls. These Interconnection Costs must be related to the installation of the physical facilities necessary to permit interconnected operation of the Customer-Generator's System with Empire's system and shall only include those costs, or corresponding costs, which would not have been incurred by Empire in providing service to the Customer-Generator solely as a consumer of electric energy from Empire pursuant to Empire's standard cost of service policies in effect at the time the Customer-Generator's System is first interconnected with Empire's system. Upon request, Empire shall provide the Customer-Generator with a non-binding estimate of Empire's Interconnection Costs based upon the plans and specifications provided by the Customer-Generator to Empire.

4) Energy Pricing and Billing

Section 386.890, RSMo Supp. 2007 sets forth the valuation and billing methods of electric energy provided by Empire to Customer-Generator and to Empire from Customer-Generator (described in the Company's tariff schedule NM).

5) Terms and Termination Rights

This Agreement becomes effective when signed by both the Customer-Generator and Empire, and shall continue in effect until terminated. After fulfillment of any applicable initial tariff or rate schedule term, the Customer-Generator may terminate this Agreement at any time by giving Empire at least thirty (30) days prior written notice. In such event, the Customer-Generator shall, no later than the date of termination of Agreement, completely disconnect the Customer-Generator's System from parallel operation with Empire's system. Either party may terminate this Agreement by giving the other party at least thirty (30) days prior written notice that the other party is in default of any of the terms and conditions of this Agreement, so long as the notice specifies the basis for termination, and there is an opportunity to cure the default. This Agreement may also be terminated at any time by mutual agreement of the Customer-Generator and Empire. This agreement may also be terminated by approval of the Commission, in there is a change in statute that is determined to be applicable to this contract and necessitates its termination.

CANCELLED
January 12, 2013
Missouri Public
Service Commission
JE-2013-0267

DATE OF ISSUE June 10, 2011
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE July 10, 2011 **FILED**

Missouri Public
Service Commission
JE-2011-0625

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 16a

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

For ALL TERRITORY

NET METERING RIDER
RIDER NM

D. Additional Terms and Conditions

In addition to abiding by Empire's other applicable rules and regulations, the Customer-Generator understands and agrees to the following specific terms and conditions:

1) Operation / Disconnection

If it appears to Empire, at any time, in the reasonable exercise of its judgment, that operation of the Customer-Generator's System is adversely affecting safety, power quality or reliability of Empire's electrical system, Empire may immediately disconnect and lock-out the Customer-Generator's System from Empire's electrical system. The Customer-Generator shall permit Empire's employees and inspector's reasonable access to inspect, test, and examine the Customer-Generator's System.

2) Liability

The Customer-Generator shall be held responsible for all risk of liability for personal injuries (including death) and damage to property arising out of or caused by the operation of the Customer-Generator's System. In addition, any Customer-Generator with an interconnected generation system greater than 10 kW must carry no less than \$100,000 of liability insurance that provides for coverage of all risk of liability for personal injuries (including death) and damage to property arising out of or caused by the operation of the Customer-Generator's System. Insurance may be in the form of an existing policy or an endorsement on an existing policy.

3) Interconnection Costs

The Customer-Generator shall, at the Customer-Generator's cost and expense, install, operate, maintain, repair, and inspect, and shall be fully responsible for the Customer-Generator's System. The Customer-Generator further agrees to pay or reimburse to Empire all of Empire's Interconnection Costs. Interconnection Costs are the reasonable costs incurred by Empire for: (1) additional tests and analyses of the effects of the operation of the Customer-Generator's System on Empire's local distribution system, (2) additional metering, and (3) any necessary controls. These Interconnection Costs must be related to the installation of the physical facilities necessary to permit interconnected operation of the Customer-Generator's System with Empire's system and shall only include those costs, or corresponding costs, which would not have been incurred by Empire in providing service to the Customer-Generator solely as a consumer of electric energy from Empire pursuant to Empire's standard cost of service policies in effect at the time the Customer-Generator's System is first interconnected with Empire's system. Upon request, Empire shall provide the Customer-Generator with a non-binding estimate of Empire's Interconnection Costs based upon the plans and specifications provided by the Customer-Generator to Empire.

4) Energy Pricing and Billing

Section 386.890, RSMo Supp. 2007 sets forth the valuation and billing methods of electric energy provided by Empire to Customer-Generator and to Empire from Customer-Generator (described in the Company's tariff schedule NM and CP).

5) Terms and Termination Rights

This Agreement becomes effective when signed by both the Customer-Generator and Empire, and shall continue in effect until terminated. After fulfillment of any applicable initial tariff or rate schedule term, the Customer-Generator may terminate this Agreement at any time by giving Empire at least thirty (30) days prior written notice. In such event, the Customer-Generator shall, no later than the date of termination of Agreement, completely disconnect the Customer-Generator's System from parallel operation with Empire's system. Either party may terminate this Agreement by giving the other party at least thirty (30) days prior written notice that the other party is in default of any of the terms and conditions of this Agreement, so long as the notice specifies the basis for termination, and there is an opportunity to cure the default. This Agreement may also be terminated at any time by mutual agreement of the Customer-Generator and Empire. This agreement may also be terminated by approval of the Commission, in there is a change in statute that is determined to be applicable to this contract and necessitates its termination.

CANCELED
July 10, 2011
Missouri Public
Service Commission
JE-2011-0625

DATE OF ISSUE January 3, 2008
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE February 2, 2008

FILED
Missouri Public
Service Commission
ET-2008-0223

For ALL TERRITORY

NET METERING RIDER
RIDER NM

- (b) If the electricity supplied by the supplier exceeds the electricity generated by the Customer-Generator during a billing period, the Customer-Generator shall be billed for the net electricity supplied by the supplier in accordance with normal practices for customers in the same rate class;
- (c) If the electricity generated by the Customer-Generator exceeds the electricity supplied by the supplier during a billing period, the Customer-Generator shall be billed for the appropriate customer charges as specified by the applicable Customer-Generator rate schedule for that billing period and shall be credited an amount for the excess kilowatt-hours generated during the billing period at the net metering rate identified in Empire's tariff filed at the Public Service Commission, with this credit applied to the following billing period; and
- (d) Any credits granted by this subsection shall expire without any compensation at the earlier of either twelve (12) months after their issuance, or when the Customer-Generator disconnects service or terminates the net metering relationship with the supplier.

6) Terms and Termination Rights

This Agreement becomes effective when signed by both the Customer-Generator and Empire, and shall continue in effect until terminated. After fulfillment of any applicable initial tariff or rate schedule term, the Customer-Generator may terminate this Agreement at any time by giving Empire at least thirty (30) days prior written notice. In such event, the Customer-Generator shall, no later than the date of termination of Agreement, completely disconnect the Customer-Generator's System from parallel operation with Empire's system. Either party may terminate this Agreement by giving the other party at least thirty (30) days prior written notice that the other party is in default of any of the terms and conditions of this Agreement, so long as the notice specifies the basis for termination, and there is an opportunity to cure the default. This Agreement may also be terminated at any time by mutual agreement of the Customer-Generator and Empire. This agreement may also be terminated by approval of the Commission, if there is a change in statute that is determined to be applicable to this contract and necessitates its termination.

7) Transfer of Ownership

If operational control of the Customer-Generator's System transfers to any other party than the Customer-Generator, a new Application/Agreement must be completed by the person or persons taking over operational control of the existing Customer-Generator System. Empire shall be notified no less than thirty (30) days before the Customer-Generator anticipates transfer of operational control of the Customer-Generator's System. The person or persons taking over the operational control of Customer-Generator's System must file a new Application/Agreement, and must receive authorization from Empire before the existing Customer-Generator System can remain interconnected with Empire's electrical system. The new Application/Agreement will only need to be completed to the extent necessary to affirm that the new person or persons having operational control of the existing Consumer-Generator System completely understand the provisions of this Application/Agreement and agrees to them. If no changes are being made to the Customer-Generator's System, completing sections A, D and F of this Application/Agreement will satisfy this requirement. If no changes are being proposed to the Customer-Generator System, Empire will assess no charges or fees for this transfer. Empire will review the new Application/Agreement and shall approve such, within fifteen (15) days if the new Customer-Generator has satisfactorily completed the Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. Empire will then complete section G and forward a copy of the completed Application/Agreement back to the new Customer-Generator, thereby notifying the new Customer-Generator that the new Customer-Generator is authorized to operate the existing Customer-Generator System in parallel with Empire's electrical system. If any changes are planned to be made in the existing Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics, then the Customer-Generator shall submit to Empire a new Application/Agreement for the entire Customer-Generator System and all portions of the Application/Agreement must be completed.

8) Dispute Resolution

If any disagreements between the Customer-Generator and Empire arise that cannot be resolved through normal negotiations between them, the disagreements may be brought to the Missouri Public Service Commission by either party, through an informal or formal complaint. Procedures for filing and processing these complaints are described in 4 CSR 240-2.070. The complaint procedures described in 4 CSR 240-2.070 apply only to retail electric power suppliers to the extent that they are regulated by the Missouri Public Service Commission.

CANCELLED
September 16, 2020
Missouri Public
Service Commission

ER-2019-0374; EN-2021-0038; YE-2021-0041

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 16b

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 16b

For ALL TERRITORY

NET METERING RIDER
RIDER NM

- (b) If the electricity supplied by the supplier exceeds the electricity generated by the Customer-Generator during a billing period, the Customer-Generator shall be billed for the net electricity supplied by the supplier in accordance with normal practices for customers in the same rate class;
- (c) If the electricity generated by the Customer-Generator exceeds the electricity supplied by the supplier during a billing period, the Customer-Generator shall be billed for the appropriate customer charges for that billing period and shall be credited an amount for the excess kilowatt-hours generated during the billing period at the net metering rate identified in Empire's tariff filed at the Public Service Commission, with this credit applied to the following billing period; and
- (d) Any credits granted by this subsection shall expire without any compensation at the earlier of either twelve (12) months after their issuance, or when the Customer-Generator disconnects service or terminates the net metering relationship with the supplier.

6) Terms and Termination Rights

This Agreement becomes effective when signed by both the Customer-Generator and Empire, and shall continue in effect until terminated. After fulfillment of any applicable initial tariff or rate schedule term, the Customer-Generator may terminate this Agreement at any time by giving Empire at least thirty (30) days prior written notice. In such event, the Customer-Generator shall, no later than the date of termination of Agreement, completely disconnect the Customer-Generator's System from parallel operation with Empire's system. Either party may terminate this Agreement by giving the other party at least thirty (30) days prior written notice that the other party is in default of any of the terms and conditions of this Agreement, so long as the notice specifies the basis for termination, and there is an opportunity to cure the default. This Agreement may also be terminated at any time by mutual agreement of the Customer-Generator and Empire. This agreement may also be terminated by approval of the Commission, if there is a change in statute that is determined to be applicable to this contract and necessitates its termination.

7) Transfer of Ownership

If operational control of the Customer-Generator's System transfers to any other party than the Customer-Generator, a new Application/Agreement must be completed by the person or persons taking over operational control of the existing Customer-Generator System. Empire shall be notified no less than thirty (30) days before the Customer-Generator anticipates transfer of operational control of the Customer-Generator's System. The person or persons taking over the operational control of Customer-Generator's System must file a new Application/Agreement, and must receive authorization from Empire before the existing Customer-Generator System can remain interconnected with Empire's electrical system. The new Application/Agreement will only need to be completed to the extent necessary to affirm that the new person or persons having operational control of the existing Consumer-Generator System completely understand the provisions of this Application/Agreement and agrees to them. If no changes are being made to the Customer-Generator's System, completing sections A, D and F of this Application/Agreement will satisfy this requirement. If no changes are being proposed to the Customer-Generator System, Empire will assess no charges or fees for this transfer. Empire will review the new Application/Agreement and shall approve such, within fifteen (15) days if the new Customer-Generator has satisfactorily completed the Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. Empire will then complete section G and forward a copy of the completed Application/Agreement back to the new Customer-Generator, thereby notifying the new Customer-Generator that the new Customer-Generator is authorized to operate the existing Customer-Generator System in parallel with Empire's electrical system. If any changes are planned to be made in the existing Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics, then the Customer-Generator shall submit to Empire a new Application/Agreement for the entire Customer-Generator System and all portions of the Application/Agreement must be completed.

8) Dispute Resolution

If any disagreements between the Customer-Generator and Empire arise that cannot be resolved through normal negotiations between them, the disagreements may be brought to the Missouri Public Service Commission by either party, through an informal or formal complaint. Procedures for filing and processing these complaints are described in 4 CSR 240-2.070. The complaint procedures described in 4 CSR 240-2.070 apply only to retail electric power suppliers to the extent that they are regulated by the Missouri Public Service Commission.

DATE OF ISSUE December 13, 2012 DATE EFFECTIVE January 12, 2013
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

CANCELLED
March 25, 2017
Missouri Public
Service Commission
JE-2017-0166

FILED
Missouri Public
Service Commission
JE-2013-0267

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 16b

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

For ALL TERRITORY

NET METERING RIDER
RIDER NM

6) Transfer of Ownership

If operational control of the Customer-Generator's System transfers to any other party than the Customer-Generator, a new Application/Agreement must be completed by the person or persons taking over operational control of the existing Customer-Generator System. Empire shall be notified no less than thirty (30) days before the Customer-Generator anticipates transfer of operational control of the Customer-Generator's System. The person or persons taking over the operational control of Customer-Generator's System must file a new Application/Agreement, and must receive authorization from Empire before the existing Customer-Generator System can remain interconnected with Empire's electrical system. The new Application/Agreement will only need to be completed to the extent necessary to affirm that the new person or persons having operational control of the existing Consumer-Generator System completely understand the provisions of this Application/Agreement and agrees to them. If no changes are being made to the Customer-Generator's System, completing sections A, D and F of this Application/Agreement will satisfy this requirement. If no changes are being proposed to the Customer-Generator System, Empire will assess no charges or fees for this transfer. Empire will review the new Application/Agreement and shall approve such, within fifteen (15) days if the new Customer-Generator has satisfactorily completed the Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. Empire will then complete section G and forward a copy of the completed Application/Agreement back to the new Customer-Generator, thereby notifying the new Customer-Generator that the new Customer-Generator is authorized to operate the existing Customer-Generator System in parallel with Empire's electrical system. If any changes are planned to be made in the existing Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics, then the Customer-Generator shall submit to Empire a new Application/Agreement for the entire Customer-Generator System and all portions of the Application/Agreement must be completed.

7) Dispute Resolution

If any agreements between the Customer-Generator and Empire arise that cannot be resolved through normal negotiations between them, the disagreements may be brought to the Missouri Public Service Commission by either party, through an informal or formal complaint. Procedures for filing and processing these complaints are described in 4 CSR 240-2.070. The complaint procedures described in 4 CSR 240-2.070 apply only to retail electric power suppliers to the extent that they are regulated by the Missouri Public Service Commission.

8) Testing Requirement

The Customer-Generator must, at least once every year, conduct a test to confirm that the Customer-Generator's net metering unit automatically ceases to energize the output (interconnection equipment output voltage goes to zero) within two (2) seconds of being disconnected from Empire's electrical system. Disconnecting the net metering unit from Empire's electrical system at the visible disconnect switch and measuring the time required for the unit to cease to energize the output shall satisfy this test. The Customer-Generator shall maintain a record of the results of these tests and, upon request by Empire, shall provide a copy of the test results to Empire. If the Customer-Generator is unable to provide a copy of the test results upon request, Empire shall notify the Customer-Generator by mail that Customer-Generator has thirty (30) days from the date the Customer-Generator receives the request to provide to Empire, the results of a test. If the Customer-Generator's equipment ever fails this test, the Customer-Generator shall immediately disconnect the Customer-Generator's System from Empire's system. If the Customer-Generator does not provide results of a test to Empire within thirty (30) days of receiving a request from Empire or the results of the test provided to Empire show that the Customer-Generator's net metering unit is not functioning correctly, Empire may immediately disconnect the Customer-Generator's System from Empire's system. The Customer-Generator's System shall not be reconnected to Empire's electrical system by the Customer-Generator until the Customer-Generator's System is repaired and operating in a normal and safe manner. These requirements are based on IEEE standards.

I have read, understand, and accept the provisions of Section D, subsections 1 through 8 of this Application/Agreement.

Signed (Customer-Generator): _____ Date: _____

CANCELLED
January 12, 2013
Missouri Public
Service Commission
JE-2013-0267

DATE OF ISSUE January 3, 2008
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE February 2, 2008

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 16c

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 16c

For ALL TERRITORY

NET METERING RIDER
RIDER NM

9) Testing Requirement

IEEE 1547 requires periodic testing of all interconnection related protective functions. The Customer-Generator must, at least once every year, conduct a test to confirm that the Customer-Generator's net metering unit automatically ceases to energize the output (interconnection equipment output voltage goes to zero) within two (2) seconds of being disconnected from Empire's electrical system. Disconnecting the net metering unit from Empire's electrical system at the visible disconnect switch and measuring the time required for the unit to cease to energize the output shall satisfy this test. The Customer-Generator shall maintain a record of the results of these tests and, upon request by Empire, shall provide a copy of the test results to Empire. If the Customer-Generator is unable to provide a copy of the test results upon request, Empire shall notify the Customer-Generator by mail that Customer-Generator has thirty (30) days from the date the Customer-Generator receives the request to provide to Empire, the results of a test. If the Customer-Generator's equipment ever fails this test, the Customer-Generator shall immediately disconnect the Customer-Generator's System from Empire's system. If the Customer-Generator does not provide results of a test to Empire within thirty (30) days of receiving a request from Empire or the results of the test provided to Empire show that the Customer-Generator's net metering unit is not functioning correctly, Empire may immediately disconnect the Customer-Generator's System from Empire's system. The Customer-Generator's System shall not be reconnected to Empire's electrical system by the Customer-Generator until the Customer-Generator's System is repaired and operating in a normal and safe manner.

I have read, understand, and accept the provisions of Section D, subsections 1 through 9 of this Application/Agreement.

Printed Name (Customer-Generator): _____

Signed (Customer-Generator): _____ Date: _____

Note: Must be name and signature of Empire Account Holder

E. Electrical Inspection

If a local Authority Having Jurisdiction (AHJ) governs permitting/inspection of project:

Authority Having Jurisdiction (AHJ): _____

Permit Number: _____

Applicable to all installations:

The Customer-Generator System referenced above satisfies all requirements noted in Section C.

Inspector Name (Print): _____

Inspector Certification: Licensed Engineer in Missouri _____ Licensed Electrician in Missouri _____

License No. _____ Issuing Authority _____

Signed (Inspector): _____ Date: _____

F. Customer-Generator Acknowledgement

I am aware if the Customer-Generator System installed on my premises and I have been given warranty information and/or an operational manual for that system. Also, I have been provided with a copy of Empire's parallel generation tariff or rate schedule (as applicable) and interconnection requirements. I am familiar with the operation of the Customer-Generator System.

I agree to abide by the terms of this Application/Agreement and I agree to operate and maintain the Customer-Generator System in accordance with the manufacturer's recommended practices as well as Empire's interconnection standards. If, at any time and for any reason, I believe that the Customer-Generator System is operating in an unusual manner that may result in any disturbances on Empire's electrical system, I shall disconnect the Customer-Generator System and not reconnect it to Empire's electrical system until the Customer-Generator System is operating normally after repair or inspection. Further, I agree to notify Empire no less than thirty (30) days prior to modification of the components or design of the Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics. I acknowledge that any such modifications will require submission of a new Application/Agreement to Empire.

I agree not to operate the Customer-Generator System in parallel with Empire's electrical system until this Application/Agreement has been approved by Empire.

System Installation Date: _____

Printed Name (Customer-Generator): _____

Signed (Customer-Generator): _____ Date: _____

G. Utility Application Approval (completed by The Empire District Electric Company)

Empire does not, by approval of this Application/Agreement, assume any responsibility or liability for damage to property or physical injury due to malfunction of the Customer-Generator's System or the Customer-Generator's negligence.

This Application is approved by Empire on this _____ day of _____ (month). _____ (year).

Empire Representative Name (Print): _____

Signed Empire Representative: _____

DATE OF ISSUE February 23, 2017

DATE EFFECTIVE March 25, 2017

ISSUED BY Chris Krygier, Director Planning & Regulatory

CANCELLED
September 16, 2020
Missouri Public
Service Commission

FILED
Missouri Public
Service Commission
JE-2017-0166

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 16c

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 16c

For ALL TERRITORY

NET METERING RIDER
RIDER NM

9) Testing Requirement

IEEE 1547 requires periodic testing of all interconnection related protective functions. The Customer-Generator must, at least once every year, conduct a test to confirm that the Customer-Generator's net metering unit automatically ceases to energize the output (interconnection equipment output voltage goes to zero) within two (2) seconds of being disconnected from Empire's electrical system. Disconnecting the net metering unit from Empire's electrical system at the visible disconnect switch and measuring the time required for the unit to cease to energize the output shall satisfy this test. The Customer-Generator shall maintain a record of the results of these tests and, upon request by Empire, shall provide a copy of the test results to Empire. If the Customer-Generator is unable to provide a copy of the test results upon request, Empire shall notify the Customer-Generator by mail that Customer-Generator has thirty (30) days from the date the Customer-Generator receives the request to provide to Empire, the results of a test. If the Customer-Generator's equipment ever fails this test, the Customer-Generator shall immediately disconnect the Customer-Generator's System from Empire's system. If the Customer-Generator does not provide results of a test to Empire within thirty (30) days of receiving a request from Empire or the results of the test provided to Empire show that the Customer-Generator's net metering unit is not functioning correctly, Empire may immediately disconnect the Customer-Generator's System from Empire's system. The Customer-Generator's System shall not be reconnected to Empire's electrical system by the Customer-Generator until the Customer-Generator's System is repaired and operating in a normal and safe manner.

I have read, understand, and accept the provisions of Section D, subsections 1 through 9 of this Application/Agreement.

Signed (Customer-Generator): _____ Date: _____

E. Electrical Inspection

The Customer-Generator System referenced above satisfies all requirements noted in Section C.

Inspector Name (Print): _____

Inspector Certification: Licensed Engineer in Missouri _____ Licensed Electrician in Missouri _____

License No. _____ Issuing Authority _____

Signed (Inspector): _____ Date: _____

F. Customer-Generator Acknowledgement

I am aware if the Customer-Generator System installed on my premises and I have been given warranty information and/or an operational manual for that system. Also, I have been provided with a copy of Empire's parallel generation tariff or rate schedule (as applicable) and interconnection requirements. I am familiar with the operation of the Customer-Generator System.

I agree to abide by the terms of this Application/Agreement and I agree to operate and maintain the Customer-Generator System in accordance with the manufacturer's recommended practices as well as Empire's interconnection standards. If, at any time and for any reason, I believe that the Customer-Generator System is operating in an unusual manner that may result in any disturbances on Empire's electrical system, I shall disconnect the Customer-Generator System and not reconnect it to Empire's electrical system until the Customer-Generator System is operating normally after repair or inspection. Further, I agree to notify Empire no less than thirty (30) days prior to modification of the components or design of the Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics. I acknowledge that any such modifications will require submission of a new Application/Agreement to Empire.

I agree not to operate the Customer-Generator System in parallel with Empire's electrical system until this Application/Agreement has been approved by Empire.

Signed (Customer-Generator): _____ Date: _____

G. Utility Application Approval (completed by The Empire District Electric Company)

Empire does not, by approval of this Application/Agreement, assume any responsibility or liability for damage to property or physical injury due to malfunction of the Customer-Generator's System or the Customer-Generator's negligence.

This Application is approved by Empire on this _____ day of _____ (month). _____ (year).

Empire Representative Name (Print): _____

Signed Empire Representative: _____

DATE OF ISSUE May 5, 2015

DATE EFFECTIVE ~~June 4, 2015~~

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

May 16, 2015

FILED

Missouri Public
Service Commission

ET-2015-0285; YE-2015-0323

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 16c

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 16c

For ALL TERRITORY

NET METERING RIDER
RIDER NM

9) Testing Requirement

IEEE 1547 requires periodic testing of all interconnection related protective functions. The Customer-Generator must, at least once every year, conduct a test to confirm that the Customer-Generator's net metering unit automatically ceases to energize the output (interconnection equipment output voltage goes to zero) within two (2) seconds of being disconnected from Empire's electrical system. Disconnecting the net metering unit from Empire's electrical system at the visible disconnect switch and measuring the time required for the unit to cease to energize the output shall satisfy this test. The Customer-Generator shall maintain a record of the results of these tests and, upon request by Empire, shall provide a copy of the test results to Empire. If the Customer-Generator is unable to provide a copy of the test results upon request, Empire shall notify the Customer-Generator by mail that Customer-Generator has thirty (30) days from the date the Customer-Generator receives the request to provide to Empire, the results of a test. If the Customer-Generator's equipment ever fails this test, the Customer-Generator shall immediately disconnect the Customer-Generator's System from Empire's system. If the Customer-Generator does not provide results of a test to Empire within thirty (30) days of receiving a request from Empire or the results of the test provided to Empire show that the Customer-Generator's net metering unit is not functioning correctly, Empire may immediately disconnect the Customer-Generator's System from Empire's system. The Customer-Generator's System shall not be reconnected to Empire's electrical system by the Customer-Generator until the Customer-Generator's System is repaired and operating in a normal and safe manner.

I have read, understand, and accept the provisions of Section D, subsections 1 through 9 of this Application/Agreement.

Signed (Customer-Generator): _____ Date: _____

E. Electrical Inspection

The Customer-Generator System referenced above satisfies all requirements noted in Section C.

Inspector Name (Print): _____

Inspector Certification: Licensed Engineer in Missouri _____ Licensed Electrician in Missouri _____

License No. _____

Signed (Inspector): _____ Date: _____

F. Customer-Generator Acknowledgement

I am aware if the Customer-Generator System installed on my premises and I have been given warranty information and/or an operational manual for that system. Also, I have been provided with a copy of Empire's parallel generation tariff or rate schedule (as applicable) and interconnection requirements. I am familiar with the operation of the Customer-Generator System.

I agree to abide by the terms of this Application/Agreement and I agree to operate and maintain the Customer-Generator System in accordance with the manufacturer's recommended practices as well as Empire's interconnection standards. If, at any time and for any reason, I believe that the Customer-Generator System is operating in an unusual manner that may result in any disturbances on Empire's electrical system, I shall disconnect the Customer-Generator System and not reconnect it to Empire's electrical system until the Customer-Generator System is operating normally after repair or inspection. Further, I agree to notify Empire no less than thirty (30) days prior to modification of the components or design of the Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics. I acknowledge that any such modifications will require submission of a new Application/Agreement to Empire.

I agree not to operate the Customer-Generator System in parallel with Empire's electrical system until this Application/Agreement has been approved by Empire.

Signed (Customer-Generator): _____ Date: _____

G. Utility Application Approval (completed by The Empire District Electric Company)

Empire does not, by approval of this Application/Agreement, assume any responsibility or liability for damage to property or physical injury due to malfunction of the Customer-Generator's System or the Customer-Generator's negligence.

This Application is approved by Empire on this _____ day of _____ (month). _____ (year).

Empire Representative Name (Print): _____

Signed Empire Representative: _____

DATE OF ISSUE December 13, 2012
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE January 12, 2013

CANCELLED
May 16, 2015
Missouri Public
Service Commission
ET-2015-0285; YE-2015-0323

FILED
Missouri Public
Service Commission
JE-2013-0267

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 16c

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

For ALL TERRITORY

NET METERING RIDER
RIDER NM

E. Electrical Inspection

The Customer-Generator System referenced above satisfies all requirements noted in Section C.

Inspector Name (Print): _____

Inspector Certification: I am a Licensed Engineer in Missouri _____ or I am a Licensed Electrician in Missouri _____

License No. _____.

Signed (Inspector): _____ Date: _____

F. Customer-Generator Acknowledgement

I am aware if the Customer-Generator System installed on my premises and I have been given warranty information and/or an operational manual for that system. Also, I have been provided with a copy of Empire's parallel generation tariff or rate schedule (as applicable) and interconnection requirements. I am familiar with the operation of the Customer-Generator System.

I agree to abide by the terms of this Application/Agreement and I agree to operate and maintain the Customer-Generator System in accordance with the manufacturer's recommended practices as well as Empire's interconnection standards. If, at any time and for any reason, I believe that the Customer-Generator System is operating in an unusual manner that may result in any disturbances on Empire's electrical system, I shall disconnect the Customer-Generator System and not reconnect it to Empire's electrical system until the Customer-Generator System is operating normally after repair or inspection. Further, I agree to notify Empire no less than thirty (30) days prior to modification of the components or design of the Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics. I acknowledge that any such modifications will require submission of a new Application/Agreement to Empire.

I agree not to operate the Customer-Generator System in parallel with Empire's electrical system until this Application/Agreement has been approved by Empire.

Signed (Customer-Generator): _____ Date: _____

G. Utility Application Approval (completed by The Empire District Electric Company)

Empire does not, by approval of this Application/Agreement, assume any responsibility or liability for damage to property or physical injury due to malfunction of the Customer-Generator's System or the Customer-Generator's negligence.

This Application is approved by Empire on this _____ day of _____ (month). _____ (year).

Empire Representative Name (Print): _____

Signed Empire Representative: _____

CANCELLED
January 12, 2013
Missouri Public
Service Commission
JE-2013-0267

DATE OF ISSUE January 3, 2008
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE February 2, 2008

FILED
Missouri Public
Service Commission
ET-2008-0223

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 16d

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 16d

For ALL TERRITORY

NET METERING RIDER
RIDER NM

MISSOURI SOLAR ELECTRIC REBATE APPLICATION

H. Solar Rebate (For Solar Installations only)

Solar Module Manufacturer: _____ Inverter Rating: _____ kW

Solar Module Model No: _____ Number of Modules/Panels: _____

Module Rating: _____ DC Watts System rating (sum of solar panels): _____ kW

Module Warranty: _____ years (circle on spec. sheet) Inverter Warranty: _____ years (circle on spec. sheet)

Location of modules: _____ Roof _____ Ground

Installation type: _____ Fixed _____ Ballast

Solar electric system must be permanently installed on the applicant's premises for a valid application.

Required documents to receive solar rebate required to be attached OR provided before Empire authorizes the rebate payment:

- Copies of detail receipts/invoices with purchase date circled
- Copies of detail spec. sheets on each component
- Copies of proof of warranty sheet (minimum of 10 year warranty)
- Photo(s) of completed system
- Completed Taxpayer Information Form

MUST BE MAILED TO EMPIRE VIA U.S. POSTAL SERVICE, FEDEX OR UPS

CANCELLED
September 16, 2020
Missouri Public
Service Commission

ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE February 23, 2017
ISSUED BY Chris Krygier, Director Planning & Regulatory

DATE EFFECTIVE March 25, 2017 **FILED**
**Missouri Public
Service Commission
JE-2017-0166**

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 16d

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

For ALL TERRITORY

NET METERING RIDER
RIDER NM

MISSOURI SOLAR ELECTRIC REBATE APPLICATION

H. Solar Rebate (For Solar Installations only)

Solar Module Manufacturer: _____ Inverter Rating: _____ kW

Solar Module Model No: _____ Number of Modules/Panels: _____

Module Rating: _____ DC Watts System rating (sum of solar panels: _____ kW

Module Warranty: _____ years (circle on spec. sheet) Inverter Warranty: _____ years (circle on spec. sheet)

Location of modules: _____ Roof _____ Ground

Installation type: _____ Fixed _____ Ballast

System Installation Date: _____

Customer E-mail Address: _____

Customer Contact Phone Number: _____

Solar electric system must be permanently installed on the applicant's premises for a valid application.

Required documents to receive solar rebate (required to be attached for a valid application):

- Copies of detail receipts/invoices with purchase date circled
- Copies of detail spec. sheets on each component
- Copies of proof of warranty sheet (minimum of 10 year warranty)
- Photo(s) of completed system
- Completed Taxpayer Information Form (IRS Form W-9, Request for Taxpayer Identification Number and Certification)

MUST BE MAILED TO EMPIRE VIA U.S. POSTAL SERVICE, FEDEX OR UPS

DATE OF ISSUE May 5, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~June 4, 2015~~

May 16, 2015

FILED

Missouri Public
Service Commission

ET-2015-0285; YE-2015-0323

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 16e

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 16e

For ALL TERRITORY

NET METERING RIDER
RIDER NM

I. Solar Rebate Declaration (For Solar Installations only)

I understand that the complete terms and conditions of the solar rebate program are included in the Company's Rider SR – Solar Rebate tariff.

I understand that this program has limited budget, and that application will be accepted on a first-come, first-served basis, while funds are available. It is possible that I may be notified that I have been placed on a waiting list for the next year's rebate program if funds run out for the current year. This program may be modified or discontinued at any time without notice from the Company.

I understand that the solar electric system must be permanently installed and remain in place on premises for a minimum of (10) years, and the system shall be situated in a location where a minimum of eighty-five percent (85%) of the solar resource is available to the system.

I understand the equipment must be new when installed, commercially available, and carry a minimum ten (10) year warranty.

I understand a rebate may be available from Empire in the amount of:

- \$2.00 per watt for systems operational on or before June 30, 2014;
- \$1.50 per watt for systems operational between July 1, 2014, and June 30, 2015;
- \$1.00 per watt for systems operational between July 1, 2015, and June 30, 2016;
- \$0.50 per watt for systems operational between July 1, 2016, and June 30, 2019;
- \$0.25 per watt for systems operational between July 1, 2019, and December 31, 2023;
- \$0.00 per watt for systems operational after December 31, 2023.

I understand an electric utility may, through its tariff, require applications for solar rebates to be submitted up to one hundred eighty-two (182) days prior to the applicable June 30 operational date for the solar rebate.

I understand that a maximum of 25 kilowatts of new or expanded system capacity will be eligible for a rebate for residential customers, and a maximum 100 kilowatts of new or expanded system capacity will be eligible for a rebate for non-residential customers.

I understand the DC wattage rating provided by the original manufacturer and as noted in Section H will be used to determine the rebate amount.

I understand I may receive an IRS Form related to my rebate amount. (Please consult your tax advisor with any questions.)

I understand that as a condition of receiving a solar rebate, I am transferring to Company all right, title and interest in and to the solar renewable energy credits (SRECs) associated with the new or expanded System **for a period of ten (10) years** from the date Empire confirmed that that System was installed and operational, and during this period, I may not claim credit for the SRECs under any environmental program or transfer or sell the SRECs to any other party.

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

MUST BE MAILED TO EMPIRE VIA U.S. POSTAL SERVICE, FEDEX OR UPS

DATE OF ISSUE July 27, 2018 DATE EFFECTIVE August 28, 2018
ISSUED BY Christopher D. Krygier, Director, Rates & Regulatory Affairs, Joplin, MO

FILED
Missouri Public
Service Commission
JE-2019-0010

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 16e

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 16e

For ALL TERRITORY

NET METERING RIDER
RIDER NM

I. Solar Rebate Declaration (For Solar Installations only)

I understand that the complete terms and conditions of the solar rebate program are included in the Company's Rider SR – Solar Rebate tariff.

I understand that this program has limited budget, and that application will be accepted on a first-come, first-served basis, while funds are available. It is possible that I may be notified that I have been placed on a waiting list for the next year's rebate program if funds run out for the current year. This program may be modified or discontinued at any time without notice from the Company.

I understand that the solar electric system must be permanently installed and remain in place on premises for a minimum of (10) years, and the system shall be situated in a location where a minimum of eighty-five percent (85%) of the solar resource is available to the system.

I understand the equipment must be new when installed, commercially available, and carry a minimum ten (10) year warranty.

I understand a rebate may be available from Empire in the amount of:

- \$2.00 per watt for systems operational on or before June 30, 2014;
- \$1.50 per watt for systems operational between July 1, 2014, and June 30, 2015;
- \$1.00 per watt for systems operational between July 1, 2015, and June 30, 2016;
- \$0.50 per watt for systems operational between July 1, 2016, and June 30, 2019;
- \$0.25 per watt for systems operational between July 1, 2019, and June 30, 2020;
- \$0.00 per watt for systems operational after June 30, 2020.

I understand an electric utility may, through its tariff, require applications for solar rebates to be submitted up to one hundred eighty-two (182) days prior to the applicable June 30 operational date for the solar rebate.

I understand that a maximum of 25 kilowatts of new or expanded system capacity will be eligible for a rebate.

I understand the DC wattage rating provided by the original manufacturer and as noted in Section H will be used to determine the rebate amount.

I understand I may receive an IRS Form related to my rebate amount. (Please consult your tax advisor with any questions.)

I understand that as a condition of receiving a solar rebate, I am transferring to Company all right, title and interest in and to the solar renewable energy credits (SRECs) associated with the new or expanded System for a period of ten (10) years from the date Empire confirmed that that System was installed and operational, and during this period, I may not claim credit for the SRECs under any environmental program or transfer or sell the SRECs to any other party.

MUST BE MAILED TO EMPIRE VIA U.S. POSTAL SERVICE, FEDEX OR UPS

CANCELLED
August 28, 2018
Missouri Public
Service Commission
JE-2019-0010

DATE OF ISSUE February 23, 2017
ISSUED BY Chris Krygier, Director Planning & Regulatory

DATE EFFECTIVE March 25, 2017 **FILED**

**Missouri Public
Service Commission
JE-2017-0166**

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 16e

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

For ALL TERRITORY

NET METERING RIDER
RIDER NM

I. Solar Rebate Declaration (For Solar Installations only)

I understand that the complete terms and conditions of the solar rebate program are included in the Company's Rider SR – Solar Rebate tariff.

I understand that this program has limited budget, and that application will be accepted on a first-come, first-served basis, while funds are available. It is possible that I may be notified that I have been placed on a waiting list for the next year's rebate program if funds run out for the current year. This program may be modified or discontinued at any time without notice from the Company.

I understand that the solar electric system must be permanently installed and remain in place on premises for the duration of its useful life – a minimum often (10) years, and the system shall be situated in a location where a minimum of eighty-five percent (85%) of the solar resource is available to the system.

I understand the equipment must be new when installed, commercially available, and carry a minimum ten (10) year warranty.

I understand a rebate may be available from the Company on expanded or new solar electric systems that become operational after 12/31/2009. The applicable rebate rate and additional details and requirements can be found in the Company's Rider SR – Solar Rebate.

I understand the DC wattage rating provided by the original manufacturer and as noted in Section H will be used to determine the rebate amount.

I understand if my rebate is six hundred dollars (\$600) or more I will receive a Form 1099. (Please consult your tax advisor with any questions.)

I understand that as a condition of receiving a solar rebate, I am transferring to Company all right, title and interest in and to the solar renewable energy credits (SRECs) associated with the new or expanded System that qualified for the solar rebate and that **the SRECs cannot be sold or promised for sale to any other party or used by customer for any environmental or "green" program for a period of ten (10) years** from the date the Company confirmed that that System was installed and operational.

(NOTE: Confirmation by the Company that the System was installed and operational does not constitute any warranty or guaranty of fitness for a particular use. The Empire District Electric Company expressly disclaims any and all warranties or conditions of merchantability and fitness for a particular purpose in connection with the customer's solar electric system. The customer is solely responsible for determining the appropriateness of using a qualifying solar electric system, including but not limited to the risk of system operational errors, damage to or loss of property, and unavailability or interruption of System operations. The Empire District Electric Company will not be liable for any direct damages or for any special, incidental, or indirect damages or for any economic consequential damages. The Empire District Electric Company will not be liable for any damages claimed based on a third party claim.)

MUST BE MAILED TO EMPIRE VIA U.S. POSTAL SERVICE, FEDEX OR UPS

DATE OF ISSUE May 5, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~June 4, 2015~~

May 16, 2015

FILED

Missouri Public
Service Commission

ET-2015-0285; YE-2015-0323

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 16f

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 16f

For ALL TERRITORY

NET METERING RIDER
RIDER NM

Disclaimer: Possible Future Rules and/or Rate Changes
Affecting Your Photovoltaic ("PV") System

1. Your PV system is subject to the Commission's current rates, rules, and regulations. The Missouri Public Service Commission ("Commission") may alter its rules and regulations and/or change rates in the future. If this occurs, your PV system is subject to those changes, and you will be responsible for paying any future increases to electricity rates, charges, or service fees from the Company.

2. The Company's electricity rates, charges, and service fees are determined by the Commission and are subject to change based upon the decisions of the Commission. These future adjustments may positively or negatively impact any potential savings or the value of your PV system.

3. Any future electricity rate projections which may be presented to you are not produced, analyzed, or approved by the Company or the Commission. They are based on projections formulated by external third parties not affiliated with the Company or the Commission.

The undersigned warrants, certifies, and represents that the information provided in this form is true and correct to the best of my knowledge; and the installation meets all Missouri Net Metering and Solar Electric Rebate program requirements.

Print Name of Applicant

Print Installer's Name

Applicant's Signature

Installer's Signature

If Applicant is a Business, Print Title/Authority of
Person Signing on behalf of Applicant

Date

Date

MUST BE MAILED TO EMPIRE VIA U.S. POSTAL SERVICE, FEDEX OR UPS

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

DATE OF ISSUE August 15, 2016
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 14, 2016

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 16f

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

For ALL TERRITORY

NET METERING RIDER
RIDER NM

The undersigned warrants, certifies, and represents that the information provided in this form is true and correct to the best of my knowledge; and the installation meets all Missouri Net Metering and Solar Electric Rebate program requirements.

Print Name of Applicant

Print Installer's Name

Applicant's Signature

Installer's Signature

If Applicant is a Business, Print Title/Authority of Person Signing on behalf of Applicant

Date

Date

MUST BE MAILED TO EMPIRE VIA U.S. POSTAL SERVICE, FEDEX OR UPS

CANCELLED
September 14, 2016
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

DATE OF ISSUE May 5, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~June 4, 2015~~

May 16, 2015

FILED
Missouri Public
Service Commission
ET-2015-0285; YE-2015-0323

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 9th Revised Sheet No. 17

Canceling P.S.C. Mo. No. 5 Sec. 4 8th Revised Sheet No. 17

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after April 1, 2013 and prior to July 26, 2015

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	By April 1	June – November
March – August	By October 1	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 supporting the filing in an electronic format with all formulas intact.

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 AND REVENUES:

Base energy cost are 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 = \$0.02831 per kWh for each accumulation period.

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE July 7, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~August 6, 2015~~ July 26, 2015

FILED
Missouri Public
Service Commission
ER-2014-0351; YE-2016-0008

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 8th Revised Sheet No. 17

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

For ALL TERRITORY

<p>FUEL & PURCHASE POWER ADJUSTMENT CLAUSE RIDER FAC For service on and after April 1, 2013</p>

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	By April 1	June – November
March – August	By October 1	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 supporting the filing in an electronic format with all formulas intact.

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 AND REVENUES:

Base energy cost are 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 = \$0.02831 per kWh for each accumulation period.

DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE _____

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 st		October 1 st

DEFINITIONS

ACCUMULATION PERIOD:

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

RECOVERY PERIOD:

The billing months during which Cost Adjustment Factor (CAF) is applied to retail customer billings on a per kilowatt-hour (kWh) basis.

COSTS:

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

BASE COST:

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

DATE OF ISSUE August 30, 2010
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 6th Revised Sheet No. 17

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

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE
SCHEDULE FAC

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 st		October 1 st

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.

CANCELLED
September 10, 2010
Missouri Public
Service Commission
ER 2010 0130; YE 2011 0092

DATE OF ISSUE August 8, 2008
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 1, 2008
~~September 7, 2008~~

FILED
Missouri Public
Service Commission
ER 2008 0093

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

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DATE OF ISSUE December 28, 2006
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~January 27, 2007~~
December 14, 2007

CANCELLED
September 1, 2008
Missouri Public
Service Commission

ER-2006-0315

Filed
Missouri Public
Service Commission

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

Sec. 4 3rd Revised Sheet No. 17
Which was issued 9-26-01

**INTERIM ENERGY CHARGE RIDER
RIDER IEC**

APPLICATION:

This Interim Energy Charge Rider (IEC) is applicable to all electric service billed under any electric rate schedule, metered or unmetered, subject to the jurisdiction of the Missouri Public Service Commission (MPSC) as reflected separately on each rate schedule. The revenue from this rider will be collected on an interim and subject to true-up and refund basis under the terms ordered in Case ER-2004-0570.

RATE:

In addition to the charges which Empire makes for electric service set forth in its approved and effective rate schedules, the following amount will be added.

Per kWh..... .00213

The reduction to schedules PL and SPL, due to this Rider IEC, will be calculated using assumed kWh usage for the various lamp sizes.

CONDITIONS:

This interim rider shall be in effect from March 27, 2005 through March 26, 2008. After the IEC has been in effect for two (2) years, if the amount held subject to refund at that time exceeds \$10 million, Empire shall refund to its customers the amount in excess of \$10 million with interest. The interest rate shall be the prime rate of interest on the day the IEC has been in effect for two (2) years as shown in the Wall Street Journal.

Upon expiration of the IEC, an audit will be performed and the Commission will determine if all or a portion of the revenue collected by Empire pursuant to the IEC shall be refunded. Methods of determination of refunds due and refunds paid are shown in Case No. ER-2004-0570

Such refunds, if any shall be based upon the billing units of the customer to which these amounts were applied. Any refund will appear as a one-time credit on the customer's bill unless paid by check.

ER-2004-0570
March 27, 2005

DATE OF ISSUE March 17, 2005
ISSUED BY David W. Gibson, Vice President, Joplin, MO

DATE EFFECTIVE April 16, 2005

CANCELLED
1/1/2007 & 12/14/07
ER-2006-0315
Missouri Public
Service Commission

**FILED
MO PSC**

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION

P.S.C. Mo. No. 5

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

For ALL TERRITORY

No supplement to this tariff will be issued except
for the purpose of cancelling this tariff.

Sec. 4 2nd Revised Sheet No. 17
Which was issued 12-19-97

Missouri Public Service Commission

REC'D SEP 26 2001

CANCELLED

MAR 27 2005
by *AKRS 17*
Public Service Commission
MISSOURI

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Missouri Public Service Commission
FILED OCT 02 2001

DATE OF ISSUE September 26, 2001 DATE EFFECTIVE October 26, 2001
ISSUED BY David W. Gibson, Vice President-Finance, Joplin, MO

OCT 02 2001

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 2nd Revised Sheet No. 17

Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

Sec. 4 1st Revised Sheet No. 17

Which was issued 11-25-96

DEC 17 1997

E HOME COMFORT GUARANTEE

MISSOURI Public Service Commission

This is to certify that the individual identified below and owning the home identified herein (Customer) is entitled to the benefits of The Empire District Electric Company's E Home Comfort Guarantee. In order to qualify for this guarantee, the Customer's home must be certified as an Empire E Home. In addition, the electric central air conditioning system (System) installed in the home must have a SEER of 12.0 or greater and must be sized within 1/2 ton of the cooling load calculated by Empire. This calculation will be done using a Manual J based method, with summer design temperature of 100 degrees outdoors and 75 degrees indoors. In addition, all ductwork must be sized to provide adequate airflow in accordance with the equipment manufacturer's specifications.

Empire guarantees Customer's satisfaction with the cooling comfort provided by the electric central air conditioning system installed in the Customer's E Home. Electric central air conditioning system is defined as any system that is electric and provides central air conditioning. If, at the end of the twelve month period following occupancy of the home, Customer is dissatisfied with the cooling comfort provided by the System due to equipment sizing, and if Customer's dissatisfaction is not resolved within a reasonable time not to exceed 90 days, Empire will convert the System within a reasonable time, subject to the following conditions and provisions:

- 1. Within 30 days after the end of the twelve month period following occupancy of the home, Customer must notify Empire in writing of Customer's intent to exercise this Comfort Guarantee.
2. If Customer exercises this Comfort Guarantee, Empire will pay for the electric central air conditioning equipment and installation costs relating to the installation of a new system of the same type, sized according to the Customer's wishes. The new system will be specified, provided, and installed by a dealer which is mutually acceptable to Customer and Empire. Any Customer-owned equipment replaced under this guarantee and no longer used in the new system shall become the property of Empire and may be removed by Empire or its agent.

The Empire District Electric Company makes no other guarantees with respect to the system and has no further obligations hereunder. In addition, Empire expressly disclaims any and all warranties, including the warranties of merchantability and fitness for a particular purpose.

Customer acknowledges the terms and conditions of The Empire District Electric Company's E Home Comfort Guarantee by signing below.

Comfort Guarantee Customer _____ Account No. _____

Address _____ City, State, Zip _____

Date home is occupied _____

Customer Signature _____

To exercise this guarantee, Customer must notify Company in writing by _____ (Date)

The Empire District Electric Company

CANCELLED

(Date)

OCT 02 2001

3M/RS 17

Public Service Commission MISSOURI

FILED

JAN 18 1998

MO PUBLIC SERVICE COM

THE EMPIRE DISTRICT ELECTRIC COMPANY

RECEIVED

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

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

NOV 21 1996

Sec. 4 Original Sheet No. 17
Which was issued 12-01-94

MISSOURI SERVICE COMPANY E HOME COMFORT GUARANTEE

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Address _____ City, State, Zip _____

Date home is occupied _____

Customer Signature _____

To exercise this guarantee, Customer must notify Company in writing by _____

(Date)

The Empire District Electric Company

(Date)

CANCELLED

FILED

JAN 16 1996

DEC 25 1996

2nd RS 17
Service Commission
MISSOURI

MO. PUBLIC SERVICE COM

DATE OF ISSUE November 25, 1996

DATE EFFECTIVE December 25, 1996

ISSUED BY M. W. MCKINNEY, Executive Vice President, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 Original Sheet No. 17
Cancelling P.S.C. Mo. No. _____

For ALL TERRITORY
No supplement to this tariff will be issued except
for the purpose of cancelling this tariff.

Sec. _____ Revised Sheet No. _____
Which was issued **DEC 1 1994**

RECEIVED

E HOME COMFORT GUARANTEE MISSOURI

This is to certify that the individual identified below and owning the home identified herein (Customer) is entitled to the benefits of The Empire District Electric Company's E Home Comfort Guarantee. In order to qualify for this guarantee, the Customer's home must be certified as an Empire E Home. In addition, the electric central air conditioning system (System) installed in the home must have a SEER of 12.0 or greater and must be sized within 1/2 ton of the cooling load calculated by Empire. This calculation will be done using a Manual J based method, with summer design temperature of 100 degrees outdoors and 75 degrees indoors. In addition, all ductwork must be sized to provide adequate airflow in accordance with the equipment manufacturer's specifications.

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Customer acknowledges the terms and conditions of The Empire District Electric Company's E Home Comfort Guarantee by signing below.

Comfort Guarantee Customer _____ Account No. _____

Address _____ City, State, Zip _____

Date home is occupied _____

Customer Signature _____

To exercise this guarantee, Customer must notify Company in writing by _____

(Date)

The Empire District Electric Company

(Date)

CANCELLED

FILED

DEC 25 1996

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Service Center

DEC 9 - 1994
95 - 4

MO. PUBLIC SERVICE COMAR.

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17a

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after April 1, 2013 and prior to July 26, 2015

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, bio-fuel and landfill gas), 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, propane costs, combustion product disposal revenues and expenses, consumable costs related to Air Quality Control Systems (AQCS) operation, such as ammonia, lime, limestone, power activated carbon, urea, sodium bicarbonate, and trona 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, storage, fuel losses, hedging costs for natural gas, oil, and natural gas used to cross-hedge purchased power, fuel additives, and settlement proceeds, insurance recoveries, subrogation recoveries for increased fuel expenses, broker commissions and fees.

PP = Purchased Power Costs:

The following costs or revenues reflected in FERC Account 555: purchased power costs, purchased power demand costs associated with purchased power contracts with a duration of one year or less, settlements, insurance recoveries, and subrogation recoveries for purchased power expenses, virtual energy charges, generating unit price adjustments, load/export charges, energy position charges, ancillary services including penalty and distribution charges, broker commissions, fees and margins and SPP energy market charges.(see Note A. below)

E = Net Emission Costs:

The following costs and revenues reflected in FERC Accounts 509, 411.8 and 411.9 (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 costs, broker commissions, fees, commodity based services and margins.

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE July 7, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~August 6, 2015~~ July 26, 2015

FILED
Missouri Public
Service Commission
ER-2014-0351; YE-2016-0008

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17a

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after April 1, 2013

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, bio-fuel and landfill gas), 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, propane costs, combustion product disposal revenues and expenses, consumable costs related to Air Quality Control Systems (AQCS) operation, such as ammonia, lime, limestone, power activated carbon, urea, sodium bicarbonate, and trona and settlement proceeds, insurance recoveries, subrogation recoveries for increased fuel expenses in Account 501.

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The following costs and revenues reflected in FERC Accounts 509, 411.8 and 411.9 (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 costs, broker commissions, fees, commodity based services and margins.

DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE _____

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

$$B = (NSI \text{ kWh} * \$0.03001)$$

$$B = (NSI \text{ kWh} * \$0.02744)$$

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. 17a

Cancelling P.S.C. Mo. No. 5 Sec. Original Sheet No.

For ALL TERRITORY

**FUEL ADJUSTMENT CLAUSE
SCHEDULE FAC**

APPLICATION

FUEL ADJUSTMENT CLAUSE

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1. fuel consumed in Company electric generating plants,
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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.

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

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E = Actual total system net emission allowance cost and revenues - FERC Accounts 509 & 254.103

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

$$B = (NSI \text{ kWh} * \$0.03001)$$

$$B = (NSI \text{ kWh} * \$0.02744)$$

CANCELLED
September 10, 2010
Missouri Public
Service Commission
ER 2010 0130; YE 2011 0092

DATE OF ISSUE August 8, 2008
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 1, 2008
~~September 7, 2008~~

FILED
Missouri Public
Service Commission
ER 2008 0093

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17b

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after April 1, 2013 and prior to July 26, 2015

OSSR = Revenue from Off-System Sales:

The following revenues or costs reflected in FERC Account 447: all revenues from off-system sales but excluding revenues from full and partial requirements sales to municipalities that are associated with Empire, and SPP energy market revenues. (see Note A. below)

REC = Renewable Energy Credit revenue:

Revenues 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.

Note A. 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.

B = Net base energy cost is calculated as follows:

$$B = (S_{AP} * \$0.02831)$$

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

DATE OF ISSUE July 7, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~August 6, 2015~~ July 26, 2015

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17b

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after April 1, 2013

OSSR = Revenue from Off-System Sales:

The following revenues or costs reflected in FERC Account 447: all revenues from off-system sales but excluding revenues from full and partial requirements sales to municipalities that are associated with Empire, and SPP energy market revenues. (see Note A. below)

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Note A. 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.

B = Net base energy cost is calculated as follows:

$$B = (S_{AP} * \$0.02831)$$

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

DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE _____

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.

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. 17b

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

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE
SCHEDULE FAC

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.

CANCELLED
September 10, 2010
Missouri Public
Service Commission
ER 2010 0130; YE 2011 0092

DATE OF ISSUE August 8, 2008
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 1, 2008
~~September 7, 2008~~

FILED
Missouri Public
Service Commission
ER 2008 0093

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
 RIDER FAC
 For service on and after April 1, 2013 and prior to July 26, 2015

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 recovered; (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 1.0466 and 1.0662, 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.

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

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.

DATE OF ISSUE July 7, 2015
 ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~August 6, 2015~~ July 26, 2015

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
 RIDER FAC
 For service on and after April 1, 2013

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 recovered; (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 1.0466 and 1.0662, 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.

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

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.

DATE OF ISSUE _____
 ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE _____

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

Canceling P.S.C. Mo. No. 5 Sec. 4 4th 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, Aug-31-2010

1.	Total energy cost (F + P + E - O)	\$89,018,894
2.	Base energy cost (B)	\$81,984,294
3.	Missouri Energy Ratio (J)	0.8182
4.	Fuel Cost Recovery [(F + P + E - O) - B] * J	\$5,510,843
5.	Adj for Over/Under recovery for the Recovery period ending 02-28-2010 (C)	\$(191,669)
6.	Interest (I)	\$29,348
7.	Fuel Adjustment Clause (FAC)	\$5,348,522
8.	Forecasted Missouri NSI for the Recovery Period (S)	2,268,032,744
9.	Cost Adjustment Factor (CAF) to be applied to bills beginning 12-01-2010	\$0.00236 / kWh
10.	CAF - Primary and above (Line 9 x Primary Expansion Factor)	\$0.00248 / kWh
11.	CAF - Secondary (Line 9 x Secondary Expansion Factor)	\$0.00253 / kWh

Primary Expansion Factor = 1.0520
Secondary Expansion Factor = 1.0728

DATE OF ISSUE October 1, 2010

DATE EFFECTIVE December 1, 2010

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

CANCELLED
April 1, 2013
Missouri Public
Service Commission
ER-2012-0345; YE-2013-0375

FILED
Missouri Public
Service Commission
ER-2011-0095; YE-2011-0176

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

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

DATE EFFECTIVE September 29, 2010

~~CANCELLED~~
December 1, 2010
Missouri Public
Service Commission
ER-2011-0095; YE-2011-0176

September 10, 2010 FILED
Missouri Public
Service Commission
ER-2010-0130; YE-2011-0092

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17c

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE
SCHEDULE FAC

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

CANCELLED
September 10, 2010
Missouri Public
Service Commission
ER 2010 0130; YE 2011 0092

DATE OF ISSUE April 1, 2010
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 1, 2010

FILED
Missouri Public
Service Commission
ER-2010-0275; YE-2010-0589

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17c

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

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE
SCHEDULE FAC

ACCUMULATION PERIOD ENDING, August 31, 2009

1.	Total energy cost (F + P + E - O)	\$74,904,898
2.	Base energy cost (B)	\$75,974,254
3.	Missouri Energy Ratio (J)	0.8205
4.	Fuel Cost Recovery [(F + P + E - O) – B] * J	\$ (832,640)
5.	Adj for Over/Under recovery for the Recovery period ending 00-00-0000 (C)	\$0
6.	Interest (I)	\$12,197
7.	Fuel Adjustment Clause (FAC)	\$ (820,443)
8.	Forecasted Missouri NSI for the Recovery Period (S)	2,238,156,299
9.	Cost Adjustment Factor (CAF) to be applied to bills beginning 12-01-2009	\$(0.00037) / kWh
10.	CAF - Primary and above (Line 9 x Primary Expansion Factor)	\$(0.00039) / kWh
11.	CAF - Secondary (Line 9 x Secondary Expansion Factor)	\$(0.00040) / kWh

Primary Expansion Factor = 1.0520
Secondary Expansion Factor = 1.0728

DATE OF ISSUE October 1, 2009
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE December 1, 2009

CANCELLED
June 1, 2010
Missouri Public
Service Commission
ER-2010-0275; YE-2010-0589

FILED
Missouri Public
Service Commission
ER-2010-0105; YE-2010-0244

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1ST Revised Sheet No. 17c

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

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE
SCHEDULE FAC

ACCUMULATION PERIOD ENDING, Feb-28-2009

1.	Total energy cost (F + P + E - O)	\$77,599,808
2.	Base energy cost (B)	\$75,211,342
3.	Missouri Energy Ratio (J)	0.8317
4.	Fuel Cost Recovery [(F + P + E - O) – B] * J	\$ 1,942,714
5.	Adj for Over/Under recovery for the Recovery period ending 00-00-0000 (C)	\$0
6.	Interest (I)	\$(25,918)
7.	Fuel Adjustment Clause (FAC)	\$ 1,916,797
8.	Forecasted Missouri NSI for the Recovery Period (S)	2,376,883,365
9.	Cost Adjustment Factor (CAF) to be applied to bills beginning 00-00-0000	\$0.00081 / kWh
10.	CAF - Primary and above (Line 9 x Primary Expansion Factor)	\$0.00085 / kWh
11.	CAF - Secondary (Line 9 x Secondary Expansion Factor)	\$0.00087 / kWh

Primary Expansion Factor = 1.0520
Secondary Expansion Factor = 1.0728

DATE OF ISSUE April 1, 2009
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 1, 2009

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE
SCHEDULE FAC

ACCUMULATION PERIOD ENDING, 00-00-0000

1.	Total energy cost (F + P + E - O)	\$xxx,xxx,xxx
2.	Base energy cost (B)	\$xxx,xxx,xxx
3.	Missouri Energy Ratio (J)	0.xxxx
4.	Fuel Cost Recovery [(F + P + E - O) - B] * J	\$xxx,xxx,xxx
5.	Adj for Over/Under recovery for the recovery period ending 00-00-0000 (C)	\$xxx,xxx,xxx
6.	Interest (I)	\$xxx,xxx,xxx
7.	Fuel Adjustment Clause (FAC)	\$xxx,xxx,xxx
8.	Forecasted Missouri NSI for the Recovery Period (S)	xxx,xxx,xxx
9.	Cost Adjustment Factor (CAF) to be applied to bills beginning 00-00-0000	\$0.xxxxx / kWh
10.	CAF - Primary and above (Line 9 x Primary Expansion Factor)	\$0.xxxxx / kWh
11.	CAF - Secondary (Line 9 x Secondary Expansion Factor)	\$0.xxxxx / kWh

Primary Expansion Factor = 1.0520
Secondary Expansion Factor = 1.0728

DATE OF ISSUE August 8, 2008
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 1, 2008
~~September 7, 2008~~

CANCELLED
June 1, 2009
Missouri Public
Service Commission
EO-2009-0349; YE-2009-0712

FILED
Missouri Public
Service Commission
ER-2008-0093

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17d

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after April 1, 2013 and prior to July 26, 2015

PRUDENCE REVIEW

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.

DATE OF ISSUE July 7, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~August 6, 2015~~ July 26, 2015

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2014-0351; YE-2016-0008

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17d

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE RIDER FAC For service on and after April 1, 2013
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PRUDENCE REVIEW

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.

DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE _____

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

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 and prior to June 15, 2011.

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 st		October 1 st

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

DEFINITIONS

ACCUMULATION PERIOD:

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

RECOVERY PERIOD:

The billing months during which CAF is applied to retail customer billings on a per kilowatt-hour (kWh) basis.

COSTS:

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

BASE COST:

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

DATE OF ISSUE June 3, 2011

DATE EFFECTIVE June 15, 2011

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

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
Filing date:	April 1 st		October 1 st

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

DEFINITIONS

ACCUMULATION PERIOD:

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

RECOVERY PERIOD:

The billing months during which CAF is applied to retail customer billings on a per kilowatt-hour (kWh) basis.

COSTS:

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

BASE COST:

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

September 10, 2010 FILED
Missouri Public
Service Commission
ER-2010-0130; YE-2011-0092

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
 RIDER FAC
 For service on and after April 1, 2013 and prior to July 26, 2015

	Accumulation Period Ending		Feb 28, 2015
1	Total Energy Cost (TEC) = (FC+PP+E-OSSR-REC)		75,012,690
2	Net Base Energy Cost (B)	-	76,149,399
	2.1 Base Factor (BF)		0.02831
	2.2 Accumulation Period NSI (S _{AP})		2,689,841,000
3	(TEC-B)		(1,136,709)
4	Missouri Energy Ratio (J)	*	83.94%
5	(TEC-B)*J		(954,180)
6	Fuel Cost Recovery	*	95.00%
7	(TEC-B)*J*0.95		(906,471)
8	True-Up Amount (T)	+	459,475
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	3,135
11	Fuel and Purchased Power Adjustment (FPA)	=	(443,861)
12	Forecasted Missouri NSI (S _{RP})	÷	2,218,459,384
13	Current Period Fuel Adjustment Rate (FAR) to be applied Beginning 06-01-2015	=	(0.00020)
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		(0.00021)
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		(0.00021)
16	VAF _{PRIM} = 1.0466		1.0466
17	VAF _{SEC} = 1.0622		1.0622

DATE OF ISSUE July 7, 2015
 ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~August 6, 2015~~ July 26, 2015

CANCELLED
 September 16, 2020
 Missouri Public
 Service Commission
 ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
 Missouri Public
 Service Commission
 ER-2014-0351; YE-2016-0008

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
 RIDER FAC
 For service on and after April 1, 2013

	Accumulation Period Ending		Feb 28, 2015
1	Total Energy Cost (TEC) = (FC+PP+E-OSSR-REC)		75,012,690
2	Net Base Energy Cost (B)	-	76,149,399
	2.1 Base Factor (BF)		0.02831
	2.2 Accumulation Period NSI (S _{AP})		2,689,841,000
3	(TEC-B)		(1,136,709)
4	Missouri Energy Ratio (J)	*	83.94%
5	(TEC-B)*J		(954,180)
6	Fuel Cost Recovery	*	95.00%
7	(TEC-B)*J*0.95		(906,471)
8	True-Up Amount (T)	+	459,475
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	3,135
11	Fuel and Purchased Power Adjustment (FPA)	=	(443,861)
12	Forecasted Missouri NSI (S _{RP})	÷	2,218,459,384
13	Current Period Fuel Adjustment Rate (FAR) to be applied Beginning 06-01-2015	=	(0.00020)
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		(0.00021)
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		(0.00021)
16	VAF _{PRIM} = 1.0466		1.0466
17	VAF _{SEC} = 1.0622		1.0622

DATE OF ISSUE April 1, 2015
 ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 1, 2015

FILED
 Missouri Public
 Service Commission
 ER-2015-0247, EO-2015-0248
 JE-2015-0293

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after April 1, 2013

	Accumulation Period Ending		Aug 31, 2014
1	Total Energy Cost (TEC) = (FC+PP+E-OSSR-REC)		77,536,319
2	Net Base Energy Cost (B)	-	74,979,148
	2.1 Base Factor (BF)		0.02831
	2.2 Accumulation Period NSI (S _{AP})		2,648,504,000
3	(TEC-B)		2,557,171
4	Missouri Energy Ratio (J)	*	82.01%
5	(TEC-B)*J		2,097,060
6	Fuel Cost Recovery	*	95.00%
7	(TEC-B)*J*0.95		1,992,207
8	True-Up Amount (T)	+	220,997
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	7,875
11	Fuel and Purchased Power Adjustment (FPA)	=	2,221,079
12	Forecasted Missouri NSI (S _{RP})	÷	2,188,895,865
13	Current Period Fuel Adjustment Rate (FAR) to be applied Beginning 12-01-2014	=	0.00101
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		0.00106
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		0.00108
16	VAF _{PRIM} = 1.0466		1.0466
17	VAF _{SEC} = 1.0622		1.0622

DATE OF ISSUE October 1, 2014
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE December 1, 2014

CANCELED
June 1, 2015
Missouri Public
Service Commission

FILED
Missouri Public
Service Commission
ER-2015-0085, EO-2015-0086,
JE-2015-0137

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
 RIDER FAC
 For service on and after April 1, 2013

	Accumulation Period Ending		Feb 28, 2014
1	Total Energy Cost (TEC) = (FC+PP+E-OSSR-REC)		83,236,791
2	Net Base Energy Cost (B)	-	78,366,213
	2.1 Base Factor (BF)		0.02831
	2.2 Accumulation Period NSI (S _{AP})		2,768,146,000
3	(TEC-B)		4,870,578
4	Missouri Energy Ratio (J)	*	83.46%
5	(TEC-B)*J		4,064,779
6	Fuel Cost Recovery	*	95.00%
7	(TEC-B)*J*0.95		3,861,540
8	True-Up Amount (T)	+	(231,336)
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	(329)
11	Fuel and Purchased Power Adjustment (FPA)	=	3,629,875
12	Forecasted Missouri NSI (S _{RP})	÷	2,233,896,883
13	Current Period Fuel Adjustment Rate (FAR) to be applied Beginning 06-01-2014	=	0.00162
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		0.00170
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		0.00173
16	VAF _{PRIM} = 1.0466		1.0466
17	VAF _{SEC} = 1.0622		1.0622

DATE OF ISSUE April 1, 2014
 ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 1, 2014

CANCELLED
 December 1, 2014
 Missouri Public
 Service Commission
 ER-2015-0085, EO-2015-0086,
 JE-2015-0137

FILED
 Missouri Public
 Service Commission
 ER-2014-0264, EO-2014-0265,
 JE-2014-0378

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17e

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after April 1, 2013

	Accumulation Period Ending		Aug 31, 2013
1	Total Energy Cost (TEC) = (FC+PP+E-OSSR-REC)		75,335,386
2	Net Base Energy Cost (B)	-	75,002,161
	2.1 Base Factor (BF)		0.02830 **
	2.2 Accumulation Period NSI (S _{AP})		2,650,588,000
3	(TEC-B)		333,224
4	Missouri Energy Ratio (J)	*	83.03%
5	(TEC-B)*J		276,693
6	Fuel Cost Recovery	*	95.00%
7	(TEC-B)*J*0.95		262,858
8	True-Up Amount (T)	+	231,592
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	(4,780)
11	Fuel and Purchased Power Adjustment (FPA)	=	489,670
12	Forecasted Missouri NSI (S _{RP})	÷	2,157,273,065
13	Current Period Fuel Adjustment Rate (FAR) to be applied Beginning 12-01-2013	=	0.00023
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		0.00024
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		0.00024
16	VAF _{PRIM} = 1.0466		1.0466
17	VAF _{SEC} = 1.0622		1.0622

** Reflects base of \$0.02823 for March of 2013 and a base of \$0.02831 for five months.

DATE OF ISSUE October 1, 2013
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE December 1, 2013

CANCELLED
June 1, 2014
Missouri Public
Service Commission
ER-2014-0264, EO-2014-0265,
JE-2014-0378

FILED
Missouri Public
Service Commission
EO-2014-0088, ER-2014-0087
JE-2014-0155

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17e

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
 RIDER FAC
 For service on and after April 1, 2013

	Accumulation Period Ending		Month, Day, Year
1	Total Energy Cost (TEC) = (FC+PP+E-OSSR-REC)		
2	Net Base Energy Cost (B)	-	
	2.1 Base Factor (BF)		
	2.2 Accumulation Period NSI (S _{AP})		
3	(TEC-B)		
4	Missouri Energy Ratio (J)	*	%
5	(TEC-B)*J		
6	Fuel Cost Recovery	*	%
7	(TEC-B)*J*0.95		
8	True-Up Amount (T)	+	
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	
11	Fuel and Purchased Power Adjustment (FPA)	=	
12	Forecasted Missouri NSI (S _{RP})	÷	
13	Current Period Fuel Adjustment Rate (FAR) to be applied Beginning XX-XX-XXXX	=	
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		
16	VAF _{PRIM} = 1.0466		
17	VAF _{SEC} = 1.0622		

CANCELLED
 December 1, 2013
 Missouri Public
 Service Commission
 EO-2014-0088, ER-2014-0087
 JE-2014-0155

DATE OF ISSUE February 28, 2013 DATE EFFECTIVE April 1, 2013
 ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

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 and prior to June 15, 2011.

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 | B = (NSI kWh * \$0.03182) |
| 2. For all other months | B = (NSI kWh * \$0.02857) |

DATE OF ISSUE June 3, 2011

DATE EFFECTIVE June 15, 2011

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

~~CANCELLED~~

April 1, 2013

Missouri Public

Service Commission

ER-2012-0345; YE-2013-0375

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

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

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

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

DATE EFFECTIVE September 29, 2010

September 10, 2010 FILED
Missouri Public
Service Commission
ER-2010-0130; YE-2011-0092

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17f

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

For ALL TERRITORY

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DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE _____

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

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 and prior to June 15, 2011.

- 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.

DATE OF ISSUE June 3, 2011

DATE EFFECTIVE June 15, 2011

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

CANCELLED

April 1, 2013

Missouri Public

Service Commission

ER-2012-0345; YE-2013-0375

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.

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

DATE EFFECTIVE September 29, 2010

September 10, 2010 FILED
Missouri Public
Service Commission
ER-2010-0130; YE-2011-0092

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17g

For ALL TERRITORY

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DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE _____

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17g

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

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 and prior to June 15, 2011.

ACCUMULATION PERIOD ENDING, (Feb 28, 2011)

1.	Total energy cost (F + P + E – O - R)	\$80,289,219
2.	Base energy cost (B)	\$78,376,098
3.	Missouri energy ratio (J)	0.8228
4.	Fuel cost recovery [(F + P + E – O - R) – B] * J * 0.95	\$1,524,771
5.	Adj for over/under recovery for the recovery period ending 11-30-2010(C)	\$319,884
6.	Interest (I)	\$28,743
7.	Fuel Adjustment Clause (FAC)	\$1,873,398
8.	Forecasted Missouri NSI for the recovery period (S)	2,286,745,550
9.	Cost Adjustment Factor (CAF) to be applied to bills beginning 06-01-2011	\$0.00082 / kWh
10.	CAF - Primary and above (Line 9 x Primary Expansion Factor)	\$0.00086 / kWh
11.	CAF - Secondary (Line 9 x Secondary Expansion Factor)	\$0.00088 / kWh

Primary Expansion Factor = 1.0502
Secondary Expansion Factor = 1.0686

DATE OF ISSUE June 3, 2011

DATE EFFECTIVE June 15, 2011

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

CANCELLED

April 1, 2013

Missouri Public

Service Commission

ER-2012-0345; YE-2013-0375

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

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, (Feb 28, 2011)

1.	Total energy cost (F + P + E – O - R)	\$80,289,219
2.	Base energy cost (B)	\$78,376,098
3.	Missouri energy ratio (J)	0.8228
4.	Fuel cost recovery [(F + P + E – O - R) – B] * J * 0.95	\$1,524,771
5.	Adj for over/under recovery for the recovery period ending 11-30-2010(C)	\$319,884
6.	Interest (I)	\$28,743
7.	Fuel Adjustment Clause (FAC)	\$1,873,398
8.	Forecasted Missouri NSI for the recovery period (S)	2,286,745,550
9.	Cost Adjustment Factor (CAF) to be applied to bills beginning 06-01-2011	\$0.00082 / kWh
10.	CAF - Primary and above (Line 9 x Primary Expansion Factor)	\$0.00086 / kWh
11.	CAF - Secondary (Line 9 x Secondary Expansion Factor)	\$0.00088 / kWh

Primary Expansion Factor = 1.0502
Secondary Expansion Factor = 1.0686

DATE OF ISSUE May 2, 2011
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 1, 2011

FILED
Missouri Public
Service Commission
ER-2011-0320; YE-2011-0554

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

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

DATE EFFECTIVE September 29, 2010

CANCELLED
June 1, 2011
Missouri Public
Service Commission
ER-2011-0320; YE-2011-0554

September 10, 2010
FILED
Missouri Public
Service Commission
ER-2010-0130; YE-2011-0092

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17h

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

For ALL TERRITORY

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DATE OF ISSUE August 15, 2016
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 14, 2016

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE
SCHEDULE FAC
For service on and after June 15, 2011 and prior to April 1, 2013.

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 1st

October 1st

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.

BASE ENERGY COST:

Base Energy Cost in this FAC are calculated using the costs included in the revenue requirement upon which Empire's general rates are set for fuel 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 consumables, such as anhydrous ammonia, limestone, and powder activated carbon, and emission allowance costs, but not purchased power demand costs as off-set by off-system sales revenue, any emission allowance revenues, and renewable energy credit revenues in the accumulation period.

BASE ENERGY COST PER kWh:

Base energy cost per kWh at the generator, established in the most recent base rate case. The base energy cost per kWh is \$0.02823 for each accumulation period.

DATE OF ISSUE February 28, 2013
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE April 1, 2013

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE
SCHEDULE FAC
For service on and after June 15, 2011.

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 st		October 1 st

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

DEFINITIONS

ACCUMULATION PERIOD:

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

RECOVERY PERIOD:

The billing months during which CAF is applied to retail customer billings on a per kilowatt-hour (kWh) basis.

BASE ENERGY COST:

Base Energy Cost in this FAC are calculated using the costs included in the revenue requirement upon which Empire's general rates are set for fuel 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 consumables, such as anhydrous ammonia, limestone, and powder activated carbon, and emission allowance costs, but not purchased power demand costs as off-set by off-system sales revenue, any emission allowance revenues, and renewable energy credit revenues in the accumulation period.

BASE ENERGY COST PER kWh:

Base energy cost per kWh at the generator, established in the most recent base rate case. The base energy cost per kWh is \$0.02823 for each accumulation period.

DATE OF ISSUE June 3, 2011
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 15, 2011

CANCELLED

April 1, 2013

Missouri Public

Service Commission

ER-2012-0345; YE-2013-0375

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17i

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

For ALL TERRITORY

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DATE OF ISSUE August 15, 2016
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 14, 2016

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE SCHEDULE FAC For service on and after June 15, 2011 and prior to April 1, 2013.
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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 (excluding fixed pipeline reservation charges and fixed pipeline storage charges), and AQCS consumables – FERC Account 506.2.
- P = Actual total system 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 energy cost is calculated as follows:

1. For each accumulation period $B = (NSI \text{ kWh} * \$0.02823)$

NSI = Actual net system input at the generation level for the accumulation period.

CANCELLED
September 14, 2016
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

FILED
Missouri Public
Service Commission
ER-2012-0345; YE-2013-0375

DATE OF ISSUE February 28, 2013
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE April 1, 2013

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE
SCHEDULE FAC
For service on and after June 15, 2011.

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 (excluding fixed pipeline reservation charges and fixed pipeline storage charges), and AQCS consumables - FERC Account 506.2.

P = Actual total system 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 energy cost is calculated as follows:

1. For each accumulation period $B = (NSI \text{ kWh} * \$0.02823)$

NSI = Actual net system input at the generation level for the accumulation period.

CANCELLED
April 1, 2013
Missouri Public
Service Commission
ER-2012-0345; YE-2013-0375

DATE OF ISSUE June 3, 2011
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 15, 2011

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17j

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

For ALL TERRITORY

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DATE OF ISSUE August 15, 2016
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 14, 2016

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE
SCHEDULE FAC
For service on and after June 15, 2011 and prior to April 1, 2013.

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.

DATE OF ISSUE February 28, 2013
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE April 1, 2013

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE
SCHEDULE FAC
For service on and after June 15, 2011.

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.

DATE OF ISSUE June 3, 2011

DATE EFFECTIVE June 15, 2011

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

CANCELLED

April 1, 2013

Missouri Public

Service Commission

ER-2012-0345; YE-2013-0375

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

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DATE OF ISSUE August 15, 2016
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 14, 2016

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE
SCHEDULE FAC
For service on and after June 15, 2011 and prior to April 1, 2013.

ACCUMULATION PERIOD ENDING, (Feb 28, 2013)

1.	Total energy cost (F + P + E – O - R)	\$70,581,445
2.	Base energy cost (B)	\$71,948,220
3.	Missouri energy ratio (J)	0.8245
4.	Fuel cost recovery [(F + P + E – O - R) – B] * J * 0.95	\$(1,040,454)
5.	Adj for over/under recovery for the recovery period ending 11-30-2012 (C)	\$(1,026,324)
6.	Interest (I)	\$(17,262)
7.	Fuel Adjustment Clause (FAC)	\$(2,084,040)
8.	Forecasted Missouri NSI for the recovery period (S)	2,247,709,242
9.	Cost Adjustment Factor (CAF) to be applied to bills beginning 06-01-2013	\$(0.00093) / kWh
10.	CAF - Primary and above (Line 9 x Primary Expansion Factor)	\$(0.00097) / kWh
11.	CAF - Secondary (Line 9 x Secondary Expansion Factor)	\$(0.00099) / kWh

Primary Expansion Factor = 1.0502
Secondary Expansion Factor = 1.0686

CANCELLED
September 14, 2016
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

DATE OF ISSUE April 1, 2013
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 1, 2013

Filed
Missouri Public
Service Commission
ER-2013-0442; YE-2013-0424

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE
SCHEDULE FAC
For service on and after June 15, 2011 and prior to April 1, 2013.

ACCUMULATION PERIOD ENDING, (Aug, 31, 2012)

1.	Total energy cost (F + P + E – O - R)	\$74,678,147
2.	Base energy cost (B)	\$77,190,644
3.	Missouri energy ratio (J)	0.8156
4.	Fuel cost recovery [(F + P + E – O - R) – B] * J * 0.95	\$(1,914,185)
5.	Adj for over/under recovery for the recovery period ending 05-31-2012 (C)	\$1,157,848
6.	Interest (I)	\$(19,415)
7.	Fuel Adjustment Clause (FAC)	\$(775,752)
8.	Forecasted Missouri NSI for the recovery period (S)	2,162,908,477
9.	Cost Adjustment Factor (CAF) to be applied to bills beginning 12-01-2012	\$(0.00036) / kWh
10.	CAF - Primary and above (Line 9 x Primary Expansion Factor)	\$(0.00038) / kWh
11.	CAF - Secondary (Line 9 x Secondary Expansion Factor)	\$(0.00038) / kWh

Primary Expansion Factor = 1.0502
Secondary Expansion Factor = 1.0686

CANCELLED
June 01, 2013
Missouri Public
Service Commission
ER-2013-0442; YE-2013-0424

DATE OF ISSUE February 28, 2013
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE April 1, 2013 FILED

Missouri Public
Service Commission
ER-2012-0345; YE-2013-0375

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 3rd Sheet No. 17k

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Sheet No. 17k

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE
 SCHEDULE FAC
 For service on and after June 15, 2011.

ACCUMULATION PERIOD ENDING, (Aug, 31, 2012)

1.	Total energy cost (F + P + E – O - R)	\$74,678,147
2.	Base energy cost (B)	\$77,190,644
3.	Missouri energy ratio (J)	0.8156
4.	Fuel cost recovery $[(F + P + E - O - R) - B] * J * 0.95$	\$(1,914,185)
5.	Adj for over/under recovery for the recovery period ending 05-31-2012 (C)	\$1,157,848
6.	Interest (I)	\$(19,415)
7.	Fuel Adjustment Clause (FAC)	\$(775,752)
8.	Forecasted Missouri NSI for the recovery period (S)	2,162,908,477
9.	Cost Adjustment Factor (CAF) to be applied to bills beginning 12-01-2012	\$(0.00036) / kWh
10.	CAF - Primary and above (Line 9 x Primary Expansion Factor)	\$(0.00038) / kWh
11.	CAF - Secondary (Line 9 x Secondary Expansion Factor)	\$(0.00038) / kWh

Primary Expansion Factor = 1.0502
 Secondary Expansion Factor = 1.0686

CANCELLED
 April 1, 2012
 Missouri Public
 Service Commission
 ER-2012-0345; YE-2013-0375

DATE OF ISSUE October 1, 2012
 ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE December 1, 2012

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Sheet No. 17k

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Sheet No. 17k

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE
 SCHEDULE FAC
 For service on and after June 15, 2011.

ACCUMULATION PERIOD ENDING, (Feb 29, 2012)

1.	Total energy cost (F + P + E – O - R)	\$65,773,548
2.	Base energy cost (B)	\$70,393,679
3.	Missouri energy ratio (J)	0.8188
4.	Fuel cost recovery [(F + P + E – O - R) – B] * J * 0.95	\$(3,608,949)
5.	Adj for over/under recovery for the recovery period ending 11-30-2011 (C)	\$(230,875)
6.	Interest (I)	\$29,016
7.	Fuel Adjustment Clause (FAC)	\$(3,810,809)
8.	Forecasted Missouri NSI for the recovery period (S)	2,230,199,532
9.	Cost Adjustment Factor (CAF) to be applied to bills beginning 06-01-2012	\$(0.00171) / kWh
10.	CAF - Primary and above (Line 9 x Primary Expansion Factor)	\$(0.00180) / kWh
11.	CAF - Secondary (Line 9 x Secondary Expansion Factor)	\$(0.00183) / kWh

Primary Expansion Factor = 1.0502
 Secondary Expansion Factor = 1.0686

CANCELLED
 December 1, 2012
 Missouri Public
 Service Commission
 ER-2013-0122; YE-2013-0168

DATE OF ISSUE April 27, 2012
 ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 1, 2012

FILED
 Missouri Public
 Service Commission
 ER-2012-0326; YE-2012-0624

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE
 SCHEDULE FAC
 For service on and after June 15, 2011.

ACCUMULATION PERIOD ENDING, (Aug 31, 2011)

1.	Total energy cost (F + P + E – O - R)	\$92,165,823
2.	Base energy cost (B)	\$81,456,890
3.	Missouri energy ratio (J)	0.8115
4.	Fuel cost recovery $[(F + P + E - O - R) - B] * J * 0.95$	\$8,254,744
5.	Adj for over/under recovery for the recovery period ending 05-31-2011 (C)	\$236,340
6.	Interest (I)	\$32,090
7.	Fuel Adjustment Clause (FAC)	\$8,523,174
8.	Forecasted Missouri NSI for the recovery period (S)	2,191,657,650
9.	Cost Adjustment Factor (CAF) to be applied to bills beginning 12-01-2011	\$0.00389 / kWh
10.	CAF - Primary and above (Line 9 x Primary Expansion Factor)	\$0.00409 / kWh
11.	CAF - Secondary (Line 9 x Secondary Expansion Factor)	\$0.00417 / kWh

Primary Expansion Factor = 1.0502
 Secondary Expansion Factor = 1.0686

CANCELLED
 June 1, 2012
 Missouri Public
 Service Commission
 ER-2012-0326; YE-2012-0624

FILED
 Missouri Public
 Service Commission
 ER-2012-0098; YE-2012-0138

DATE OF ISSUE October 1, 2011
 ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE December 1, 2011

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL ADJUSTMENT CLAUSE
 SCHEDULE FAC
 For service on and after June 15, 2011.

ACCUMULATION PERIOD ENDING, (Month, Day, Year)

1.	Total energy cost (F + P + E - O - R)	\$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

CANCELLED
 December 1, 2011
 Missouri Public
 Service Commission
 ER-2012-0098; YE-2012-0138

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 171

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 171

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after July 26, 2015 and prior to September 14, 2016

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 supporting the filing in an electronic format with all formulas intact.

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 = \$0.02684 per kWh for each accumulation period.

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 171

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 July 26, 2015

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 supporting the filing in an electronic format with all formulas intact.

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 = \$0.02684 per kWh for each accumulation period.

CANCELLED
September 14, 2016
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

DATE OF ISSUE July 7, 2015 DATE EFFECTIVE July 26, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO ~~August 6, 2015~~

FILED
Missouri Public
Service Commission
ER-2014-0351; YE-2016-0008

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after July 26, 2015 and prior to September 14, 2016

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, oil, and natural gas used to cross-hedge purchased power, 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 Accounts 555 , excluding all charges under Southwest Power Pool ("SPP") Schedules 1a and 12. Such costs and revenues include: purchased power costs, purchased power demand costs associated with purchased power contracts with a duration of one year or less, settlements, insurance recoveries, and subrogation recoveries for purchased power expenses, virtual energy charges, generating unit price adjustments, load/export charges, energy position charges, ancillary services including penalty and distribution charges, broker commissions, fees and margins and SPP energy market charges including:

DATE OF ISSUE August 15, 2016
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 14, 2016

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 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 July 26, 2015

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, oil, and natural gas used to cross-hedge purchased power, 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 Accounts 555 , excluding all charges under Southwest Power Pool ("SPP") Schedules 1a and 12. Such costs and revenues include: purchased power costs, purchased power demand costs associated with purchased power contracts with a duration of one year or less, settlements, insurance recoveries, and subrogation recoveries for purchased power expenses, virtual energy charges, generating unit price adjustments, load/export charges, energy position charges, ancillary services including penalty and distribution charges, broker commissions, fees and margins and SPP energy market charges including:

CANCELLED
September 14, 2016
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

DATE OF ISSUE July 7, 2015 DATE EFFECTIVE July 26, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO ~~August 6, 2015~~

FILED
Missouri Public
Service Commission
ER-2014-0351; YE-2016-0008

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC

For service on and after July 26, 2015 and prior to September 14, 2016

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. Losses;
- v. Revenue Neutrality;
- vi. Congestion Management including;
 - a. Congestion
 - b. Transmission Congestion Rights
 - c. Financial Transmission Rights
- vii. Demand Reduction;
- viii. Grandfathered Agreements;
- ix. Virtual Transaction Fee;
- x. Pseudo-tie;
- xi. 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. Realized losses and costs (including broker commissions and fees) minus realized gains for financial swap transactions for electrical energy that are entered into for the purpose of mitigating price volatility associated with anticipated purchases of electrical energy for those specific time periods when the Company does not have sufficient economic energy resources to meet its native load obligations, so long as such swaps are for up to a quantity of electrical energy equal to the expected energy short fall and for a duration up to the expected length of the period during which the shortfall is expected to exist;
2. Costs of purchased power will be reduced by expected replacement power insurance recoveries qualifying as assets under Generally Accepted Accounting Principles; and
3. Thirty-four percent of SPP transmission service costs reflected in FERC Account 565, excluding SPP Schedule 1a and Schedule 12 and 50% of Non-SPP transmission service costs reflected in Account 565. Such transmission service costs include:

DATE OF ISSUE August 15, 2016
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 14, 2016

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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 July 26, 2015

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. Losses;
- v. Revenue Neutrality;
- vi. Congestion Management including;
 - a. Congestion
 - b. Transmission Congestion Rights
 - c. Financial Transmission Rights
- vii. Demand Reduction;
- viii. Grandfathered Agreements;
- ix. Virtual Transaction Fee;
- x. Pseudo-tie;
- xi. 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. Realized losses and costs (including broker commissions and fees) minus realized gains for financial swap transactions for electrical energy that are entered into for the purpose of mitigating price volatility associated with anticipated purchases of electrical energy for those specific time periods when the Company does not have sufficient economic energy resources to meet its native load obligations, so long as such swaps are for up to a quantity of electrical energy equal to the expected energy short fall and for a duration up to the expected length of the period during which the shortfall is expected to exist;

2. Costs of purchased power will be reduced by expected replacement power insurance recoveries qualifying as assets under Generally Accepted Accounting Principles; and

3. Thirty-four percent of SPP transmission service costs reflected in FERC Account 565, excluding SPP Schedule 1a and Schedule 12 and 50% of Non-SPP transmission service costs reflected in Account 565. Such transmission service costs include:

CANCELLED
September 14, 2016
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

July 26, 2015

DATE OF ISSUE July 7, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~August 6, 2015~~

FILED
Missouri Public
Service Commission
ER-2014-0351; YE-2016-0008

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC

For service on and after July 26, 2015 and prior to September 14, 2016

A. SPP costs associated with Net Integration Transmission Service:

- i. SPP Schedule 11 – Base Plan Zonal Charge and Region-wide Charge;
- ii. SPP Schedule 7 – Long-Term Firm and Short-Term Firm Point-To-Point Transmission Service;
- iii. SPP Schedule 8 – Non-Firm Point-To-Point Transmission Service;
- iv. SPP Schedule 2 – Reactive Supply and Voltage Control from Generation or Other Sources Service; and
- v. SPP Schedule 3 – Regulation and Frequency Response Service.

B. Non-SPP 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.

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, not listed in Exhibit 3, "List of Sub-Accounts Included and Excluded for FAC" of the Non-Unanimous Stipulation and Agreement on Certain Issues in Case No. ER-2014-0351:

- 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;
- 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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FUEL & PURCHASE POWER ADJUSTMENT CLAUSE

RIDER FAC

For service on and after July 26, 2015

A. SPP costs associated with Net Integration Transmission Service:

- i. SPP Schedule 11 – Base Plan Zonal Charge and Region-wide Charge;
- ii. SPP Schedule 7 – Long-Term Firm and Short-Term Firm Point-To-Point Transmission Service;
- iii. SPP Schedule 8 – Non-Firm Point-To-Point Transmission Service;
- iv. SPP Schedule 2 – Reactive Supply and Voltage Control from Generation or Other Sources Service; and
- v. SPP Schedule 3 – Regulation and Frequency Response Service.

B. Non-SPP 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.

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, not listed in Exhibit 3, "List of Sub-Accounts Included and Excluded for FAC" of the Non-Unanimous Stipulation and Agreement on Certain Issues in Case No. ER-2014-0351:

- 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;
- 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;

CANCELLED
September 14, 2016
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

July 26, 2015

DATE OF ISSUE July 7, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~August 6, 2015~~

FILED
Missouri Public
Service Commission
ER-2014-0351; YE-2016-0008

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

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RIDER FAC

For service on and after July 26, 2015 and prior to September 14, 2016

- 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 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. 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.

DATE OF ISSUE August 15, 2016
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 14, 2016

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

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RIDER FAC
For service on and after July 26, 2015

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 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. 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.

CANCELLED
September 14, 2016
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

DATE OF ISSUE July 7, 2015 DATE EFFECTIVE ~~August 6, 2015~~ July 26, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

FILED
Missouri Public
Service Commission
ER-2014-0351; YE-2016-0008

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE RIDER FAC For service on and after July 26, 2015 and prior to September 14, 2016
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E = Net Emission Costs:

The following costs and revenues reflected in FERC Accounts 509, 411.8 and 411.9 (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):

The following revenues or costs reflected in FERC Account 447: all revenues from off-system sales, including capacity charges associated with sales contracts shorter than 1 year, and SPP energy and operating market revenues, including but not limited to the following: (see Note A. below)

- i. Energy;
- ii. Ancillary Services including:
 - a. Regulating Reserve Service
 - b. Energy Imbalance Service
 - c. Spinning Reserve Service
 - d. Supplemental Reserve Service
- iii. Revenue Sufficiency;
- iv. Losses;
- v. Revenue Neutrality;
- vi. Demand Reduction;
- vii. Grandfathered Agreements;
- viii. Pseudo-tie;
- ix. Miscellaneous;
- x. Hedging.

REC = Renewable Energy Credit Revenue:

Revenues 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.

Note A 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

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RIDER FAC
For service on and after July 26, 2015

E = Net Emission Costs:

The following costs and revenues reflected in FERC Accounts 509, 411.8 and 411.9 (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):

The following revenues or costs reflected in FERC Account 447: all revenues from off-system sales, including capacity charges associated with sales contracts shorter than 1 year, and SPP energy and operating market revenues, including but not limited to the following: (see Note A. below)

- i. Energy;
- ii. Ancillary Services including:
 - a. Regulating Reserve Service
 - b. Energy Imbalance Service
 - c. Spinning Reserve Service
 - d. Supplemental Reserve Service
- iii. Revenue Sufficiency;
- iv. Losses;
- v. Revenue Neutrality;
- vi. Demand Reduction;
- vii. Grandfathered Agreements;
- viii. Pseudo-tie;
- ix. Miscellaneous;
- x. Hedging.

REC = Renewable Energy Credit Revenue:

Revenues 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.

Note A 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

CANCELLED
September 14, 2016
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

DATE OF ISSUE July 7, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE July 26, 2015 ~~August 6, 2015~~

FILED
Missouri Public
Service Commission
ER-2014-0351; YE-2016-0008

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after July 26, 2015 and prior to September 14, 2016

number, the new account number and what costs or revenues that flow through this Rider FAC are to be recorded in the account.

B = Net base energy cost is calculated as follows:

$$B = (S_{AP} * \$0.02684)$$

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

J = Missouri retail kWh sales
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 1.0466 and 1.0662, 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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RIDER FAC
For service on and after July 26, 2015

number, the new account number and what costs or revenues that flow through this Rider FAC are to be recorded in the account.

B = Net base energy cost is calculated as follows:

$$B = (S_{AP} * \$0.02684)$$

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

J = Missouri retail kWh sales
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 1.0466 and 1.0662, 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

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

CANCELLED
September 14, 2016
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

DATE OF ISSUE July 7, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE July 26, 2015 ~~August 6, 2015~~

FILED
Missouri Public
Service Commission
ER-2014-0351; YE-2016-0008

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

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For service on and after July 26, 2015 and prior to September 14, 2016

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.

PRUDENCE REVIEW

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.

DATE OF ISSUE August 15, 2016
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 14, 2016

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

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For service on and after July 26, 2015

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.

PRUDENCE REVIEW

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.

CANCELLED
September 14, 2016
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

DATE OF ISSUE July 7, 2015 DATE EFFECTIVE July 26, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO ~~August 6, 2015~~

FILED
Missouri Public
Service Commission
ER-2014-0351; YE-2016-0008

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17t

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
 RIDER FAC
 For service on and after July 26, 2015 and prior to December 1, 2016

	Accumulation Period Ending		Feb 29, 2016
1	Total Energy Cost (TEC) = (FC + PP + E – OSSR - REC)		63,582,057
2	Net Base Energy Cost (B)	-	68,751,492
	2.1 Base Factor (BF)		0.02684
	2.2 Accumulation Period NSI (SAP)		2,561,531,000
3	(TEC-B)		(5,169,435)
4	Missouri Energy Ratio (J)	*	82.33%
5	(TEC - B) * J		(4,256,020)
6	Fuel Cost Recovery	*	95.00%
7	(TEC - B) * J * 0.95		(4,043,219)
8	True-Up Amount (T)	+	(225,112)
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	(18,443)
11	Fuel and Purchased Power Adjustment (FPA)	=	(4,286,774)
12	Forecasted Missouri NSI (SRP)	÷	2,196,228,827
13	Current Period Fuel Adjustment Rate (FAR) to be applied Beginning Jun 01, 2016	=	(0.00195)
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		(0.00204)
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		(0.00207)
16	VAF _{PRIM} = 1.0466		1.0466
17	VAF _{SEC} = 1.0622		1.0622

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

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FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after July 26, 2015

	Accumulation Period Ending		Feb 29, 2016
1	Total Energy Cost (TEC) = (FC + PP + E - OSSR - REC)		63,582,057
2	Net Base Energy Cost (B)	-	68,751,492
	2.1 Base Factor (BF)		0.02684
	2.2 Accumulation Period NSI (SAP)		2,561,531,000
3	(TEC-B)		(5,169,435)
4	Missouri Energy Ratio (J)	*	82.33%
5	(TEC - B) * J		(4,256,020)
6	Fuel Cost Recovery	*	95.00%
7	(TEC - B) * J * 0.95		(4,043,219)
8	True-Up Amount (T)	+	(225,112)
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	(18,443)
11	Fuel and Purchased Power Adjustment (FPA)	=	(4,286,774)
12	Forecasted Missouri NSI (SRP)	÷	2,196,228,827
13	Current Period Fuel Adjustment Rate (FAR) to be applied Beginning Jun 01, 2016	=	(0.00195)
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		(0.00204)
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		(0.00207)
16	VAF _{PRIM} = 1.0466		1.0466
17	VAF _{SEC} = 1.0622		1.0622

CANCELLED
September 14, 2016
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

DATE OF ISSUE April 1, 2016
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE June 1, 2016

FILED
Missouri Public
Service Commission
ER-2016-0253; JE-2016-0253

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

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

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RIDER FAC
For service on and after July 26, 2015

	Accumulation Period Ending		Aug 31, 2015
1	Total Energy Cost (TEC) = (FC + PP + E – OSSR - REC)		69,754,928
2	Net Base Energy Cost (B)	-	74,062,163
	2.1 Base Factor (BF)		0.02798
	2.2 Accumulation Period NSI (SAP)		2,646,735,001
3	(TEC-B)		(4,307,235)
4	Missouri Energy Ratio (J)	*	82.24%
5	(TEC - B) * J		(3,542,264)
6	Fuel Cost Recovery	*	95.00%
7	(TEC - B) * J * 0.95		(3,365,151)
8	True-Up Amount (T)	+	(183,134)
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	(9,469)
11	Fuel and Purchased Power Adjustment (FPA)	=	(3,557,753)
12	Forecasted Missouri NSI (SRP)	÷	2,196,228,827
13	Current Period Fuel Adjustment Rate (FAR) to be applied Beginning Dec 01, 2015	=	(0.00162)
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		(0.00170)
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		(0.00172)
16	VAF _{PRIM} = 1.0466		1.0466
17	VAF _{SEC} = 1.0622		1.0622

* The base factor 0.02798 is the weighted average for the Accumulation Period. The base factor changed from 0.02831 to 0.02684 during the Accumulation Period on July 26, 2015 (ER-2014-0351).

CANCELLED
June 1, 2016
Missouri Public
Service Commission
ER-2016-0253; JE-2016-0253

FILED
Missouri Public
Service Commission
ER-2016-0080; JE-2016-0098

DATE OF ISSUE October 1, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE December 1, 2015

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	Accumulation Period Ending		
1	Total Energy Cost (TEC) = (FC + PP + E – OSSR - REC)		
2	Net Base Energy Cost (B)	-	
	2.1 Base Factor (BF)		\$0.02684
	2.2 Accumulation Period NSI (S _{AP})		
3	(TEC-B)		
4	Missouri Energy Ratio (J)	*	
5	(TEC - B) * J		
6	Fuel Cost Recovery	*	
7	(TEC - B) * J * 0.95		
8	True-Up Amount (T)	+	
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	
11	Fuel and Purchased Power Adjustment (FPA)	=	
12	Forecasted Missouri NSI (S _{RP})	÷	
13	Current Period Fuel Adjustment Rate (FAR) to be applied Beginning July 17, 2015	=	
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		
16	VAF _{PRIM} = 1.0466		1.0466
17	VAF _{SEC} = 1.0622		1.0622

CANCELLED
 December 1, 2015
 Missouri Public
 Service Commission
 ER-2016-0080; JE-2016-0098

DATE OF ISSUE July 7, 2015
 ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE July 26, 2015
~~August 6, 2015~~

FILED
 Missouri Public
 Service Commission
 ER-2014-0351; YE-2016-0008

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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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.

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 = \$0.02415 per kWh for each accumulation period.

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FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after September 14, 2016

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 all charges under Southwest Power Pool ("SPP") Schedules 1a and 12 and congestion management charges and revenues. Such costs include:

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FUEL & PURCHASE POWER ADJUSTMENT CLAUSE

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For service on and after September 14, 2016

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:

DATE OF ISSUE August 15, 2016
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 14, 2016

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

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

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- A. Thirty-four percent (34%) 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 percent (50%) 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.
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, not included the Stipulation and Agreement, Schedule E, “List of Sub-Accounts Included and Excluded for FAC” approved by Commission order in Case No. ER-2016-0023:
- 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;
 - 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;

DATE OF ISSUE August 15, 2016
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 14, 2016

~~CANCELLED~~
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

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

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

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- 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.

DATE OF ISSUE August 15, 2016
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 14, 2016

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

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

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
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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):

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.

Note A 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

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For service on and after September 14, 2016

number, the new account number and what costs or revenues that flow through this Rider FAC are to be recorded in the account.

B = Net base energy cost is calculated as follows:

$$B = (S_{AP} * \$0.02415)$$

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

J = Missouri retail kWh sales
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 1.0464 and 1.0657, 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

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

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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 14, 2016

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.

PRUDENCE REVIEW

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

P.S.C. Mo. No. 5 Sec. 4 8th Revised Sheet No. 17ac

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after July 10, 2020

	Accumulation Period Ending		February 29, 2020
1	Total Energy Cost (TEC) = (FC + PP + E - OSSR - REC)		65,369,711
2	Net Base Energy Cost (B)	-	65,525,398
	2.1 Base Factor (BF)		0.02415
	2.2 Accumulation Period NSI (S _{AP})		2,713,267,000
3	(TEC-B)		(155,687)
4	Missouri Energy Ratio (J)	*	82.56%
5	(TEC - B) * J		(131,747)
6	Fuel Cost Recovery	*	95.00%
7	(TEC - B) * J * 0.95		(125,160)
8	True-Up Amount (T)	+	1,074,609
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	(8,035.51)
11	Fuel and Purchased Power Adjustment (FPA)	=	941,413
12	Forecasted Missouri NSI (S _{RP})	÷	2,311,729,686
13	Current Period Fuel Adjustment Rate (FAR)	=	.00041
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		.00043
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		.00043
16	VAF _{PRIM} = 1.0464		1.0464
17	VAF _{SEC} = 1.0657		1.0657

DATE OF ISSUE June 10, 2020 DATE EFFECTIVE July 10, 2020

ISSUED BY Sheri Richard, Director Rates and Regulatory Affairs CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2020-0311; YE-2020-0214

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after December 1, 2019

	Accumulation Period Ending		August 31, 2019
1	Total Energy Cost (TEC) = (FC + PP + E – OSSR - REC)		63,483,114
2	Net Base Energy Cost (B)	-	64,887,766
	2.1 Base Factor (BF)		0.02415
	2.2 Accumulation Period NSI (S _{AP})		2,686,864,000
3	(TEC-B)		(1,404,651)
4	Missouri Energy Ratio (J)	*	81.90%
5	(TEC - B) * J		(1,148,900)
6	Fuel Cost Recovery	*	95.00%
7	(TEC - B) * J * 0.95		(1,091,455)
8	True-Up Amount (T)	+	(2,140,520)
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	70,361
11	Fuel and Purchased Power Adjustment (FPA)	=	(3,161,614)
12	Forecasted Missouri NSI (S _{RP})	÷	2,253,608,426
13	Current Period Fuel Adjustment Rate (FAR)	=	(.00141)
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		(.00147)
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		(.00150)
16	VAF _{PRIM} = 1.0464		1.0464
17	VAF _{SEC} = 1.0657		1.0657

CANCELLED
July 10, 2020
Missouri Public
Service Commission
ER-2020-0311; YE-2020-0214

FILED
Missouri Public
Service Commission
ER-2020-0093; JE-2020-0050

DATE OF ISSUE October 1, 2019
ISSUED BY Sheri Richard, Director Rates and Regulatory Affairs

DATE EFFECTIVE December 1, 2019

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after June 1, 2019

	Accumulation Period Ending		February 28, 2019
1	Total Energy Cost (TEC) = (FC + PP + E – OSSR - REC)		74,862,132
2	Net Base Energy Cost (B)	-	66,584,207
	2.1 Base Factor (BF)		0.02415
	2.2 Accumulation Period NSI (S _{AP})		2,757,110,000
3	(TEC-B)		8,277,925
4	Missouri Energy Ratio (J)	*	82.74%
5	(TEC - B) * J		6,901,802
6	Fuel Cost Recovery	*	95.00%
7	(TEC - B) * J * 0.95		6,556,712
8	True-Up Amount (T)	+	844,601
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	31,323
11	Fuel and Purchased Power Adjustment (FPA)	=	7,432,635
12	Forecasted Missouri NSI (S _{RP})	÷	2,253,608,426
13	Current Period Fuel Adjustment Rate (FAR)	=	0.00330
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		0.00345
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		0.00351
16	VAF _{PRIM} = 1.0464		1.0464
17	VAF _{SEC} = 1.0657		1.0657

CANCELLED
December 1, 2019
Missouri Public
Service Commission
ER-2020-0093; JE-2020-0050

FILED
Missouri Public
Service Commission
EO-2019-0302, ER-2019-0301,
JE-2019-0178

DATE OF ISSUE April 1, 2019
ISSUED BY Sheri Richard, Director Rates and Regulatory Affairs

DATE EFFECTIVE June 1, 2019

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after December 1, 2018

	Accumulation Period Ending		August 31, 2018
1	Total Energy Cost (TEC) = (FC + PP + E – OSSR - REC)		64,930,243
2	Net Base Energy Cost (B)	-	67,415,208
	2.1 Base Factor (BF)		0.02415
	2.2 Accumulation Period NSI (S _{AP})		2,791,520,000
3	(TEC-B)		(2,484,965)
4	Missouri Energy Ratio (J)	*	82.19%
5	(TEC - B) * J		(2,047,187)
6	Fuel Cost Recovery	*	95.00%
7	(TEC - B) * J * 0.95		(1,944,828)
8	True-Up Amount (T)	+	(1,224)
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	145,446
11	Fuel and Purchased Power Adjustment (FPA)	=	(1,800,606)
12	Forecasted Missouri NSI (S _{RP})	÷	2,214,363,961
13	Current Period Fuel Adjustment Rate (FAR)	=	(0.00081)
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		(0.00085)
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		(0.00087)
16	VAF _{PRIM} = 1.0464		1.0464
17	VAF _{SEC} = 1.0657		1.0657

CANCELLED
June 1, 2019
Missouri Public
Service Commission
EO-2019-0302, ER-2019-0301
JE-2019-0178

DATE OF ISSUE October 1, 2018

DATE EFFECTIVE December 1, 2018

ISSUED BY Chris Krygier, Director Planning & Regulatory

FILED
Missouri Public
Service Commission
ER-2019-0095; EO-2019-0096;
JE-2019-0061

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after June 1, 2018

	Accumulation Period Ending		February 28, 2018
1	Total Energy Cost (TEC) = (FC + PP + E – OSSR - REC)		84,144,071
2	Net Base Energy Cost (B)	-	65,471,519
	2.1 Base Factor (BF)		0.02415
	2.2 Accumulation Period NSI (S _{AP})		2,711,036,000
3	(TEC-B)		18,672,551
4	Missouri Energy Ratio (J)	*	81.83%
5	(TEC - B) * J		15,532,199
6	Fuel Cost Recovery	*	95.00%
7	(TEC - B) * J * 0.95		14,755,589
8	True-Up Amount (T)	+	1,076,500
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	(86,537)
11	Fuel and Purchased Power Adjustment (FPA)	=	15,745,552
12	Forecasted Missouri NSI (S _{RP})	÷	2,213,798,613
13	Current Period Fuel Adjustment Rate (FAR)	=	0.00711
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		0.00744
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		0.00758
16	VAF _{PRIM} = 1.0464		1.0464
17	VAF _{SEC} = 1.0657		1.0657

CANCELLED
December 1, 2018
Missouri Public
Service Commission
ER-2019-0095; EO-2019-0096;
JE-2019-0061

FILED
Missouri Public
Service Commission
ER-2018-0270, EO-2018-0271;
JE-2018-0127

DATE OF ISSUE April 2, 2018
ISSUED BY Chris Krygier, Director Planning & Regulatory

DATE EFFECTIVE June 1, 2018

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17ac

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after December 1, 2017

	Accumulation Period Ending		Aug 31, 2017
1	Total Energy Cost (TEC) = (FC + PP + E – OSSR - REC)		69,070,641
2	Net Base Energy Cost (B)	-	62,822,095
	2.1 Base Factor (BF)		0.02415
	2.2 Accumulation Period NSI (S _{AP})		2,440,458,808
3	(TEC-B)		6,248,545
4	Missouri Energy Ratio (J)	*	81.79%
5	(TEC - B) * J		5,110,442
6	Fuel Cost Recovery	*	95.00%
7	(TEC - B) * J * 0.95		4,854,920
8	True-Up Amount (T)	+	(1,045,682)
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	28,026
11	Fuel and Purchased Power Adjustment (FPA)	=	3,837,264
12	Forecasted Missouri NSI (S _{RP})	÷	2,218,459,384
13	Current Period Fuel Adjustment Rate (FAR)	=	0.00173
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		0.00181
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		0.00184
16	VAF _{PRIM} = 1.0464		1.0464
17	VAF _{SEC} = 1.0657		1.0657

CANCELLED

June 1, 2018

Missouri Public

Service Commission

ER-2018-0270, EO-2018-0271; JE-2018-0127

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17ac

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
RIDER FAC
For service on and after June 1, 2017

	Accumulation Period Ending		Feb 28, 2017
1	Total Energy Cost (TEC) = (FC + PP + E – OSSR - REC)		66,508,009
2	Net Base Energy Cost (B)	-	62,011,760
	2.1 Base Factor (BF)		0.02435
	2.2 Accumulation Period NSI (S _{AP})		2,546,465,000
3	(TEC-B)		4,496,249
4	Missouri Energy Ratio (J)	*	82.65%
5	(TEC - B) * J		3,716,245
6	Fuel Cost Recovery	*	95.00%
7	(TEC - B) * J * 0.95		3,530,433
8	True-Up Amount (T)	+	5,816
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	(15,140)
11	Fuel and Purchased Power Adjustment (FPA)	=	3,521,108
12	Forecasted Missouri NSI (S _{RP})	÷	2,233,927,053
13	Current Period Fuel Adjustment Rate (FAR) to be applied Beginning December 1, 2016	=	0.00158
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		0.00165
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		0.00168
16	VAF _{PRIM} = 1.0464		1.0464
17	VAF _{SEC} = 1.0657		1.0657

CANCELLED
December 1, 2017
Missouri Public
Service Commission
EO-2018-0087, ER-2018-0086;
JE-2018-0032

DATE OF ISSUE March 31, 2017
ISSUED BY Chris Krygier, Director Planning & Regulatory

DATE EFFECTIVE June 1, 2017

FILED
Missouri Public
Service Commission
EO-2017-0255, ER-2017-0254,
JE-2017-0191

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE
 RIDER FAC
 For service on and after September 14, 2016

	Accumulation Period Ending		Aug 31, 2016
1	Total Energy Cost (TEC) = (FC + PP + E – OSSR - REC)		60,294,281
2	Net Base Energy Cost (B)	-	71,719,486
	2.1 Base Factor (BF)		0.02684
	2.2 Accumulation Period NSI (S _{AP})		2,672,112,000
3	(TEC-B)		(11,425,205)
4	Missouri Energy Ratio (J)	*	82.02%
5	(TEC - B) * J		(9,371,395)
6	Fuel Cost Recovery	*	95.00%
7	(TEC - B) * J * 0.95		(8,902,825)
8	True-Up Amount (T)	+	(516,561)
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	(37,172)
11	Fuel and Purchased Power Adjustment (FPA)	=	(9,456,558)
12	Forecasted Missouri NSI (S _{RP})	÷	2,205,063,123
13	Current Period Fuel Adjustment Rate (FAR) to be applied Beginning December 1, 2016	=	(0.00429)
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		(0.00449)
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		(0.00457)
16	VAF _{PRIM} = 1.0464		1.0464
17	VAF _{SEC} = 1.0657		1.0657

CANCELLED
 June 1, 2017
 Missouri Public
 Service Commission
 EO-2017-0255, ER-2017-0254,
 JE-2017-0191

DATE OF ISSUE September 30, 2016

DATE EFFECTIVE December 1, 2016

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

FILED
 Missouri Public
 Service Commission
 ER-2017-0092; JE-2017-0046

THE EMPIRE DISTRICT ELECTRIC COMPANY

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

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 14, 2016

	Accumulation Period Ending		
1	Total Energy Cost (TEC) = (FC + PP + E – OSSR - REC)		
2	Net Base Energy Cost (B)	-	
	2.1 Base Factor (BF)		
	2.2 Accumulation Period NSI (S _{AP})		
3	(TEC-B)		
4	Missouri Energy Ratio (J)	*	
5	(TEC - B) * J		
6	Fuel Cost Recovery	*	
7	(TEC - B) * J * 0.95		
8	True-Up Amount (T)	+	
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	
11	Fuel and Purchased Power Adjustment (FPA)	=	
12	Forecasted Missouri NSI (S _{RP})	÷	
13	Current Period Fuel Adjustment Rate (FAR) to be applied Beginning December 1, 2016	=	
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		
16	VAF _{PRIM} = 1.0464		
17	VAF _{SEC} = 1.0657		

CANCELLED
 December 1, 2016
 Missouri Public
 Service Commission
 ER-2017-0092; JE-2017-0046

DATE OF ISSUE August 15, 2016
 ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 14, 2016

FILED
 Missouri Public
 Service Commission
 ER-2016-0023; YE-2017-0031

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 18

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 18

For ALL TERRITORY

OPTIONAL TIME OF USE ADJUSTMENT
RIDER OTOU

AVAILABILITY:

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.

CANCELLED
September 16, 2020
Missouri Public
Service Commission

ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE December 28, 2006
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~January 27, 2007~~
December 14, 2007

ER-2006-0315

Filed
Missouri Public
Service Commission

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 Original Sheet No. 18
Cancelling P.S.C. Mo. No. _____

For ALL TERRITORY
No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

Sec. _____ Revised Sheet No. _____
Which was issued _____

RECEIVED

**OPTIONAL TIME OF USE ADJUSTMENT
RIDER OTOU**

NOV 8 1995

MISSOURI
Public Service Commission

AVAILABILITY:

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.

CANCELLED
1/1/2007 & 12/14/07
ER-2006-0315
Missouri Public
Service Commission

NOV 15 1995
95 - 279
MO. PUBLIC SERVICE COMM

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 19

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 19

For ALL TERRITORY

OPTIONAL TIME OF USE ADJUSTMENT
RIDER OTOU

BILLING PERIODS:

The Summer Season will be June 1 through September 30, and the Winter Season will be October 1 through May 31. 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 on 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, including holidays, 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).

SPECIAL RULES:

Customers electing to receive service under this rider will remain on this rider for a minimum period of twelve (12) months unless the customer provides a sixty (60) day notification of a request for discontinuance. Customers receiving a discontinuance will not be eligible to again receive service under this rider for a minimum period of twelve (12) months from the date of discontinuance.

CANCELLED
September 16, 2020
Missouri Public
Service Commission

ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE December 28, 2006
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE January 27, 2007
December 14, 2007

ER-2006-0315

Filed
Missouri Public
Service Commission

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 Original Sheet No. 19
Cancelling P.S.C. Mo. No. _____

For ALL TERRITORY

No supplement to this tariff will be issued except
for the purpose of cancelling this tariff.

Sec. _____ Revised Sheet No. _____
Which was issued _____

RECEIVED

OPTIONAL TIME OF USE ADJUSTMENT
RIDER OTOU

NOV 8 1995

MISSOURI
Public Service Commission

BILLING PERIODS:

The Summer Season will be June 1 through September 30, and the Winter Season will be October 1 through May 31. 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 on 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, including holidays, 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).

SPECIAL RULES:

Customers electing to receive service under this rider will remain on this rider for a minimum period of twelve (12) months unless the customer provides a sixty (60) day notification of a request for discontinuance. Customers receiving a discontinuance will not be eligible to again receive service under this rider for a minimum period of twelve (12) months from the date of discontinuance.

CANCELLED
1/1/2007 & 12/14/07
ER-2006-0315
Missouri Public
Service Commission

FILED
NOV 15 1995
95 - 279
MO PUBLIC SERVICE COMMISSION

DATE OF ISSUE November 3, 1995 DATE EFFECTIVE November 15, 1995
ISSUED BY M. W. MCKINNEY, Executive Vice President, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 20

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 20

For ALL TERRITORY

EMPIRE'S ACTION TO SUPPORT THE ELDERLY
RIDER EASE

APPLICATION:

"Registered Elderly or Disabled Customer" means one who is sixty (60) years old and above, or is disabled to the extent that s/he is unable to leave the premises without assistance and who files with Company a form approved by the Commission attesting to the fact that s/he meets these qualifications and which also may list an agency or person the Company shall contact as required in the Cold Weather Rule.

PLAN:

1. The late payment charge on these accounts will be waived.
2. No new security deposit will be required as long as a reasonable attempt is made to keep electric bills paid. For purposes of determining reasonable attempt, Empire will consider the following: any delinquent balance and the size of the balance; the time that the debt has been outstanding and the reason why; the Customer's ability to pay; the Customer's payment history; and any other relevant factors relating to the Customer's service.
3. Third party notification at customer's request (we will send a copy of any delinquent notices issued on these accounts to a third party).
4. Customer may choose a preferred payment date to make payments more convenient.

CANCELLED
September 16, 2020
Missouri Public
Service Commission

ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE December 28, 2006
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE January 27, 2007

December 14, 2007

ER-2006-0315

Filed
Missouri Public
Service Commission

THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 Original Sheet No. 20
Cancelling P.S.C. Mo. No. _____

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

Sec. _____ Revised Sheet No. _____
Which was issued _____

RECEIVED

**EMPIRE'S ACTION TO SUPPORT THE ELDERLY
RIDER EASE** **JUL 21 1997**

APPLICATION:

**MISSOURI
Public Service Commission**

"Registered Elderly or Disabled Customer" means one who is sixty (60) years old and above, or is disabled to the extent that s/he is unable to leave the premises without assistance and who files with Company a form approved by the Commission attesting to the fact that s/he meets these qualifications and which also may list an agency or person the Company shall contact as required in the Cold Weather Rule.

PLAN:

1. The late payment charge on these accounts will be waived.
2. No new security deposit will be required as long as a reasonable attempt is made to keep electric bills paid. For purposes of determining reasonable attempt, Empire will consider the following: any delinquent balance and the size of the balance; the time that the debt has been outstanding and the reason why; the Customer's ability to pay; the Customer's payment history; and any other relevant factors relating to the Customer's service.
3. Third party notification at customer's request (we will send a copy of any delinquent notices issued on these accounts to a third party).
4. Customer may choose a preferred payment date to make payments more convenient.

FILED

**JUL 28 1997
97 - 81**

MO. PUBLIC SERVICE COMM

CANCELLED
1/1/2007 & 12/14/07
ER-2006-0315
Missouri Public
Service Commission

DATE OF ISSUE July 24, 1997 DATE EFFECTIVE July 28, 1997
ISSUED BY R.B. FANCHER, Vice President-Finance, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 21

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 21



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DATE OF ISSUE December 28, 2006
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE ~~January 27, 2007~~
December 14, 2007

CANCELLED
September 16, 2020
Missouri Public
Service Commission

ER-2019-0374; EN-2021-0038; YE-2021-0041

ER-2006-0315

Filed
Missouri Public
Service Commission

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION

P.S.C. Mo. No. 5

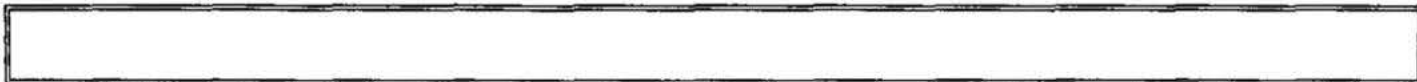
THE EMPIRE DISTRICT ELECTRIC COMPANY

Sec. 4 1st Revised Sheet No. 21
Cancelling P.S.C. Mo. No. 5

For ALL TERRITORY

No supplement to this tariff will be issued except
for the purpose of cancelling this tariff.

Sec. 4 Original Sheet No. 21
Which was issued 5-15-02



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Filed
MO PSC

CANCELLED
1/1/2007 & 12/14/07
ER-2006-0315
Missouri Public
Service Commission

DATE OF ISSUE November 15, 2002
ISSUED BY David W. Gibson, Vice President, Joplin, MO

DATE EFFECTIVE December 15, 2002

THE EMPIRE DISTRICT ELECTRIC COMPANY

Missouri Public

Sec. 4 Original Sheet No. 21

REC'D MAY 15 2002

Cancelling P.S.C. Mo. No. _____

For ALL TERRITORY

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

Sec. _____ Revised Sheet No. _____

Service Commission

Which was issued _____

CREDIT TO INTERIM ENERGY CHARGE RIDER
RIDER CIEC

APPLICATION:

This Credit to Interim Energy Charge Rider applies to all kwh, either metered or unmetered, which are billed under the Interim Energy Charge (IEC) Rider. The application of this credit to the existing IEC reduces the net IEC charge for Missouri jurisdictional customers.

RATE:

As a reduction or offset to the specific charge which Empire is authorized to make for the Interim Energy Charge set forth in the approved and effective rate schedules, the following amount will be subtracted (credited) as an offset to the IEC whenever the IEC is charged:

Per kwh..... .0019

The reduction to schedules PL and SPL, due to this Rider CIEC, will be calculated using assumed kwh usage for the various lamp sizes.

CONDITIONS:

This credit rider shall be in effect until September 30, 2003, unless modified or removed earlier in conjunction with a final decision in Empire's pending permanent rate case, Case No. ER-2002-424.

CANCELLED

DEC 01 2002
By 151RS 21
Public Service Commission
MISSOURI

Missouri Public

FILED JUN 14 2002
02-1074
Service Commission

DATE OF ISSUE May 15, 2002
ISSUED BY David W. Gibson, Vice President, Joplin, MO

DATE EFFECTIVE June 14, 2002

ECONOMIC DEVELOPMENT RIDER
SCHEDULE EDR

Purpose:

The purpose of the Economic Development Rider is to encourage industrial and commercial business development in Missouri.

Availability:

Electric service under this rider is only available in conjunction with local, regional and state governmental economic development activities where incentives have been offered and accepted by the Customer after the effective date of this rider to locate new facilities or expand existing facilities in the Company's Missouri service area. For purposes of this rider, new facilities shall be defined as a Customer's facility that has not received electric service in the Company's Missouri service area within the last twelve (12) months. Electric service under this rider is only available to a Customer otherwise qualified for service under the Company's GP, TEB, LP or ST rate schedules, and willing to enter into a contract for service for a minimum term of five (5) years.

The availability of this rider shall be limited to industrial and commercial facilities not involved in selling or providing goods and services directly to the general public.

Applicability:

The rider is applicable to new facilities or the additional separately metered facilities (when separate metering is unduly limiting, the Company may use a 2 year average to determine baseline usage for purposes of this tariff) meeting the above availability criteria and the following two applicability criteria:

1. The annual load factor of the new Customer or additional facility is reasonably projected to equal or exceed an annual load factor of fifty (50) percent within two (2) years of the date the Customer first receives service under this Rider. The projected annual Customer load factor shall be determined by the following relationship:

$$\text{PAE} / \text{PCD} \times \text{HRS}$$

Where:

- PAE = Projected Annual Energy (kWh)
- HRS = Hours in year (8760)
- PCD = Projected Customer Non-coincident Demand

If the above load factor criterion is not met, the Company may consider the following other factors when determining qualification for the rider:

- a. The creation of seventy-five (75) or more new permanent full-time jobs;

2. The peak demand of the new or additional facility is reasonable projected to be at least three-hundred (300) kW within two years of the date the Customer first received service under this rider.

All requests for service under this rider will be considered by the Company. Sufficiently detailed information shall be provided, by the Customer, to enable the Company to determine whether a facility is qualified for the Rider. Service under this rider shall be evidenced by a contract between the Customer and the Company, which shall be submitted to the Commission.

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 22

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

ECONOMIC DEVELOPMENT RIDER
SCHEDULE EDR

Purpose:

The purpose of the Economic Development Rider is to encourage industrial and commercial business development in Missouri.

Availability:

Electric service under this rider is only available in conjunction with local, regional and state governmental economic development activities where incentives have been offered and accepted by the Customer after the effective date of this rider to locate new facilities or expand existing facilities in the Company's Missouri service area. For purposes of this rider, new facilities shall be defined as a Customer's facility that has not received electric service in the Company's Missouri service area within the last twelve (12) months. Electric service under this rider is only available to a Customer otherwise qualified for service under the Company's GP, TEB, LP or ST rate schedules, and willing to enter into a contract for service for a minimum term of five (5) years.

The availability of this rider shall be limited to industrial and commercial facilities not involved in selling or providing goods and services directly to the general public.

Applicability:

The rider is applicable to new facilities or the additional separately metered facilities meeting the above availability criteria and the following two applicability criteria:

1. The annual load factor of the new Customer or additional facility is reasonably projected to equal or exceed an annual load factor of fifty (50) percent within two (2) years of the date the Customer first receives service under this Rider. The projected annual Customer load factor shall be determined by the following relationship:

$$\text{PAE} / \text{PCD} \times \text{HRS}$$

Where:

PAE = Projected Annual Energy (kWh)

HRS = Hours in year (8760)

PCD = Projected Customer Non-coincident Demand

If the above load factor criterion is not met, the Company may consider the following other factors when determining qualification for the rider:

a. The creation of seventy-five (75) or more new permanent full-time jobs;

2. The peak demand of the new or additional facility is reasonable projected to be at least three-hundred (300) kW within two years of the date the Customer first received service under this rider.

All requests for service under this rider will be considered by the Company. Sufficiently detailed information shall be provided, by the Customer, to enable the Company to determine whether a facility is qualified for the Rider. Service under this rider shall be evidenced by a contract between the Customer and the Company, which shall be submitted to the Commission.

DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE 4/1/2013

CANCELLED
November 28, 2018
Missouri Public
Service Commission
ET-2019-0029; JE-2019-0002

FILED
Missouri Public
Service Commission
ER-2012-0345; YE-2013-0375

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 22a

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

ECONOMIC DEVELOPMENT RIDER
SCHEDULE EDR

Incentive Provisions:

1. Revenue Determination:

The pre-tax revenues under this rider shall be determined by reducing otherwise applicable charges, associated with the GP, TEB, LP or ST rate schedules, by 30% during the first contract year, 25% during the second contract year, 20% during the third contract year, 15% during the fourth contract year and 10% during the fifth contract year. After the fifth contract year, this incentive provision shall cease. All other billing, operational and related provision of the aforementioned rate schedules shall remain in effect.

Bills for separately metered service to existing Customers, pursuant to the provision of this rider, will be calculated independently of any other service rendered to the Customer at the same or other locations.

2. Shifting of Existing Load:

For Customers with existing facilities at one or more locations in the Company's Missouri service area, this rider shall not apply to the service previously provided at any other Company delivery point within the last twelve (12) months. Failure to comply with this provision may result in termination of service under this rider.

Termination:

Failure of the Customer to meet any of the applicability criteria of this rider, used to qualify the Customer for acceptance on the rider, within two years of the date service under this rider begins, may lead to termination of service under this rider.

DATE OF ISSUE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE _____

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ER-2012-0345; YE-2013-0375

ECONOMIC DEVELOPMENT RIDER
SCHEDULE EDR

Form of Contract:

This Agreement is entered into as of this _____ day of _____ 20____, by and between Empire District Electric Company (Company) and _____ (Customer).

Witnesseth:

Whereas, Company has on file with the Public Service Commission of the State of Missouri (Commission) a certain Economic Development Rider (Rider), and:

Whereas, Customer is a new Customer, or has acquired additional separately metered facilities within the Company's service territory, and;

Whereas, Customer has furnished sufficient information to the Company to demonstrate that its new facilities or additional separately metered facilities (Facilities) satisfied the Availability and Applicability provisions of the Rider, and:

The Company and Customer agree as follows:

1. Service to the Customer's Facilities located at (address) _____, (city) _____, (state) _____, (county) _____ shall be pursuant to the Rider, all other applicable tariffs, and the Company's General Rules and Regulations applying to electric service, as may be in effect from time to time and filed with the Commission.
2. Customer further acknowledged that this Agreement is not assignable voluntarily by Customer, but shall nevertheless inure to the benefit of and be binding upon the Customer's successors by operation of law.
3. Customer acknowledges that all information provided to the Company for the purpose of determining whether the Customer is eligible for service under the Rider shall be retained by the Company, and shall be subject to inspection and disclosure under Chapters 383 and 393, RSMo 2011, as amended from time to time. Should the Customer designate any of such information as proprietary or confidential, the Company shall notify Customer of any request for inspection or disclosure, and shall use good faith efforts to secure an agreement or Commission order protecting the proprietary or confidential nature of such information.
4. This Agreement shall be governed in all respects by the laws of the State of Missouri (regardless of conflict of laws provisions), and by the orders, rules and regulations of the Commission they may exist from time to time. Nothing contained herein shall be construed as divesting, or attempting to divest, the Commission of any rights jurisdiction, power or authority vested in it by law.

In witness whereof, the parties have signed this Agreement as of the date first above written.

Empire District Electric Company _____
(Customer)

By _____ By _____

DATE OF ISSUE _____ DATE EFFECTIVE _____
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Original Sheet No. 22c

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

For Missouri Retail Service Area

**LIMITED LARGE CUSTOMER ECONOMIC DEVELOPMENT RIDER
Schedule SBDR**

PURPOSE

The purpose of this Limited Large Customer Economic Development Rider ("Rider") is to comply with Mo. Rev. Stat. § 393.1640 (2018).

EXPIRATION

This Rider shall expire on December 31, 2023, unless extension is requested by The Empire District Electric Company (the "Company") and approved by the Commission. All discounts under this Rider shall expire no later than December 31, 2028. This provision shall control any Contract provisions to the contrary.

AVAILABILITY/ELIGIBILITY

Electric service under this Rider shall be limited to industrial and commercial facilities which are not in the business of selling or providing goods and/or services directly to the general public, and shall be made available if all of the following criteria are met:

1. If an otherwise qualifying Customer is receiving any economic development or retention-related discounts as of the date it would otherwise qualify for service under this Rider, the Customer shall agree to relinquish the prior discount concurrently with the date it begins to receive Service under this Rider; otherwise, the Customer shall not be eligible to receive any service under this Rider;
2. Electric service under this Rider is not available in conjunction with service provided pursuant to any other Special Contract Service tariff agreements;
3. The Customer submits a completed Application prior to public announcement of the growth project for which service under this Rider is sought. Such Application, and an application for service if not already submitted, shall be submitted at least ninety (90) days prior to the date the Customer requests the discounts provided for by this Rider;
4. The Customer adds qualifying incremental load with average monthly demand that is reasonably projected to be at least three hundred (300) kilowatts with a load factor of at least fifty-five (55) percent within two (2) years after the date the Application is submitted.
 - a. Qualifying incremental load shall be calculated as additional load net of any associated offsetting load reductions due to the termination of other accounts of the Customer or an affiliate of the Customer within twelve (12) months prior to the commencement of service to the new load,
 - b. The projected annual Customer load factor shall be determined by the following relationship:

$$\text{Load Factor} = \text{PAE} / (\text{PCD} \times \text{HRS})$$

where:

PAE = Projected Annual Energy (kWh)

HRS = Hours in year (8760 or 8784)

PCD = Projected Customer Peak Demand (kW)

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
JE-2019-0091

DATE OF ISSUE November 9, 2018 DATE EFFECTIVE December 9, 2018
ISSUED BY Jill Schwartz, Senior Manager Rates and Regulatory Affairs, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Original Sheet No. 22d

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

For Missouri Retail Service Area

**LIMITED LARGE CUSTOMER ECONOMIC DEVELOPMENT RIDER
Schedule SBEDR**

AVAILABILITY/ELIGIBILITY (continued)

- 5. Prior to execution of a Contract for Service under this Rider, the Customer shall provide sufficiently detailed information and documentation to enable the Company to determine whether the incremental load is qualified for service under this Rider;
- 6. The Customer shall execute a Contract for Service under this Rider. In the case of a Customer locating a new facility in the Company's service territory or expanding an existing facility in the Company's service territory, the contract will contain a statement that the Customer would not locate new facilities in the Company's service territory or expand its existing facilities in the Company's service territory but for receiving service under this Rider along with other incentives;
- 7. The Customer receives local, regional, or state economic development incentives in conjunction with the incremental load; and
- 8. The Customer is otherwise qualified for service under the Company's GP, TEB, LP, or ST rate schedules.

APPLICABILITY

- 1. For facilities of a Customer contracting under this Rider due to expansion, the Company may install metering equipment necessary to measure load subject to this Rider. The Company reserves the right to make the determination of whether such load will be separately metered or sub-metered. If the Company determines that the nature of the expansion is such that either separate metering or sub-metering is impractical or economically infeasible, the Company will determine, based on historical usage, what portion of the Customer's load in excess of the monthly baseline, if any, qualifies as incremental load eligible for this Rider.
- 2. The Customer's load subject to service under this Rider is the qualifying incremental load. If the demand associated with the qualifying incremental load is not separately metered, the Company's determination of the incremental demand shall control.
- 3. Customer demand existing at the time the Customer begins to receive discounted rates under this section shall not constitute incremental demand.
- 4. Service under this Rider shall begin on the date when the meter associated with the qualifying incremental load is permanently set. However, if the permanent meter is set prior to occupancy and operation of the associated facility, the Customer will notify the Company when operation begins and service of this Rider shall begin at such time as operation begins. If the qualifying incremental load is measured rather than metered, service under this Rider shall begin upon notification to the Company by the Customer when operation begins.
- 5. For Customers with existing facilities at one or more locations in the Company's service area, this Rider shall not be applicable to service provided at any existing delivery point prior to receiving service under this Rider. Failure to comply with this provision may result in termination of service under this Rider.

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
JE-2019-0091

DATE OF ISSUE November 9, 2018 DATE EFFECTIVE December 9, 2018
ISSUED BY Jill Schwartz, Senior Manager Rates and Regulatory Affairs, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Original Sheet No. 22e

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

For Missouri Retail Service Area

LIMITED LARGE CUSTOMER ECONOMIC DEVELOPMENT RIDER
Schedule SBEDR

- 6. Unless terminated pursuant to a Termination provision, service is available under this Rider up to five (5) years. However, an eligible Customer shall also receive a ten (10) percent discount of all base rate components of the bill applied to such qualifying incremental load for one (1) year after the initial discount period ends if the Company determines that the Customer is taking service from an under-utilized circuit. In no event shall a Customer receive a discount for taking service from an under-utilized circuit after December 31, 2028.

INCENTIVE PROVISIONS

- 1. Bills for separately metered (or measured) service to existing Customers, pursuant to the provisions of this Rider, will be calculated independently of any other service rendered to the Customer at the same or other locations.
- 2. The discount shall be a percentage applied to only the base rate components of the bill. The charges or credits arising from any rate adjustment mechanism shall be billed or applied to Customers taking service under this Rider in the same manner as otherwise applicable. All other billing, operational and related provisions of the otherwise applicable rate schedules shall remain in effect.
- 3. The percentage applicable to each year of service under this Rider shall be set out in the Contract and shall not be modified during the operation of the Contract, except as provided in paragraph 6 of the Applicability section of this Rider. As contracted, the average of the annual discount percentages applicable to years one (1) through five (5) shall equal forty (40) percent and shall not be less than thirty (30) percent nor more than fifty (50) percent in any year prior to the sixth year, if applicable.
- 4. In establishing the contracted percentages, the cents per kilowatt-hour realization resulting from application of the discounted rate as calculated shall be higher than the Company's variable cost to serve such accounts in aggregate and the discounted rate also shall make a positive contribution to fixed costs associated with such service. To reasonably ensure the sufficiency of such revenues, the Company shall perform an analysis of the Company's incremental cost of service as follows:
 - a. The analysis shall be performed utilizing an hourly production cost simulation model such as Midas or equivalent along with current estimates of the market value of capacity. The incremental costs shall include the estimated cost of serving a 10 MW incremental retail electric Customer load at varying load factors. The incremental cost shall include the impact of such retail load on the Company's purchased power costs, fuel costs, incremental capacity costs, and wholesale sales. This analysis shall generally be forward looking, covering the current calendar year and subsequent four (4) calendar years and include the impact of the Company's view of forward wholesale energy market prices.
 - b. This analysis shall be provided to the Staff of the Commission and the Office of the Public Counsel at the time of the Company's triennial and annual updates filed under the Commission's Chapter 22 Electric Utility Resource Planning Rules.
- 5. If in a subsequent general rate proceeding the Commission determines that application of such discounted rate is not adequate to cover the variable cost to serve such accounts and provide a positive contribution to fixed costs, then the Commission shall order modification of the contracted percentages to the extent necessary to do so.

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
JE-2019-0091

DATE OF ISSUE November 9, 2018 DATE EFFECTIVE December 9, 2018
ISSUED BY Jill Schwartz, Senior Manager Rates and Regulatory Affairs, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Original Sheet No. 22f

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

For Missouri Retail Service Area

LIMITED LARGE CUSTOMER ECONOMIC DEVELOPMENT RIDER
Schedule SBEDR

TERMINATION

Failure of the Customer to meet any of the availability and applicability criteria of this Rider used to qualify the Customer for acceptance on the Rider shall result in termination of service under this Rider. Failure to meet and maintain compliance with each of the items contained in this Rider shall result in termination of service under this Rider. The Company shall review and verify compliance with the Rider and the Contract on an annual basis. The Company shall verify and retain documentation of each of the following items:

1. Electric service is limited to industrial and commercial facilities that are not in the business of selling or providing goods and/or services directly to the general public.
2. The local, regional, or state economic development incentives relied upon to initially qualify for service under this Rider have been received, retained, and the Customer has met all conditions upon the incentive receipt and retention.
3. The Customer's qualifying incremental demand is at least three-hundred (300) kW and the Customer must maintain a load factor of fifty-five (55) percent or greater in years three (3) through five (5) of the service under this Rider.

ADDITIONAL REQUIREMENTS

1. Service under this Rider shall be evidenced by a Contract between the Customer and the Company. Within thirty (30) days of executing said Contract, the Contract shall be submitted along with documentation supporting the qualification of the Customer and the Company's review of qualification to the Commission as a Non-Case-Related Submission in EFIS.
2. The Company shall file under affidavit the results of all annual reviews required under the Termination section of this Rider. Such filing shall include a Public and a confidential version including copies of all Contracts executed since its last annual review filing. All documentation relied upon by the Company for its conclusion that compliance has been maintained, or that there is basis for termination of service under this Rider, shall be included.
3. The Company shall annually, for each Customer taking service under this Rider, update the revenue sufficiency calculation prescribed under Incentive Provisions paragraph 4 to reflect actual historical usage, revised projections, and updated inputs to the incremental cost of service analysis.
4. This agreement shall be governed in all respects by the laws of the State of Missouri (regardless of conflict of laws provisions), and by the orders, rules, and regulations of the Commission they may exist from time to time. Nothing contained herein shall be construed as divesting, or attempting to divest, the Commission of any rights jurisdiction, power or authority vested in it by law.

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
JE-2019-0091

DATE OF ISSUE November 9, 2018 DATE EFFECTIVE December 9, 2018
ISSUED BY Jill Schwartz, Senior Manager Rates and Regulatory Affairs, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 23

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 23

For ALL TERRITORY

SOLAR REBATE RIDER
RIDER SR

PURPOSE:

The purpose of this Rider SR is to implement the solar rebate established through §393.1030 RSMo. and §393.1670 RSMo and to establish the terms, conditions and procedures, consistent with applicable law and MoPSC orders and rules, which the Company will rely on in accepting rebate applications, authorizing rebate payments to eligible participants for a qualifying solar electric system ("System"), and the handling of solar renewable energy credits ("SRECs") associated with the new or expanded System.

AVAILABILITY:

Subject to the Retail Rate Impact limitations set forth in 4 CSR 240-20.100(5), §393.1030 RSMo and §393.1670 RSMo, Missouri retail electric customers of the Company who install, own, operate and maintain a solar electric generation system in parallel with the Company's service in accordance with the following limitations and conditions are eligible for the solar rebate:

1. The customer must have a completed and approved Net Metering Application and Agreement on file with the Company in accordance with the Company's Net Metering Rider, Rider NM.
2. The customer must be an active account on the Company's system and in good payment standing.
3. The System must be permanently installed on the customer's premise.
4. The customer must declare the installed System will remain in place on the account holder's premise for the duration of its useful life which shall be deemed to be a minimum of ten (10) years.
5. The solar modules and inverters shall be new equipment and include a manufacturer's warranty of ten (10) years.
6. No residential retail electric account will be eligible for a solar rebate for more than twenty-five kilowatts (25 kW) of new or expanded new capacity irrespective of the number of meters/service points associated with the account holder. No non-residential retail electric account will be eligible for a solar rebate for more than one hundred fifty kilowatts (150 kW) of new or expanded new capacity irrespective of the number of meters/service points associated with the account holder.
7. The System shall meet all requirements of 4 CSR 240-20.065 and the Company's Net Metering Rider, Rider NM.
8. The System must be situated in a location where a minimum of eighty-five percent (85%) of the solar resource is available to the System.
9. The customer must execute an affidavit for Company's use in complying with §393.1030 RSMo and §393.1670 RSMo. The affidavit can be obtained from Company's website www.empiredistrict.com.
10. The system or expansion of an existing system must become operational after December 31, 2009, and must become operational on or before December 31, 2023.

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
JE-2019-0009

DATE OF ISSUE July 27, 2018 DATE EFFECTIVE August 28, 2018
ISSUED BY Christopher D. Krygier, Director, Rates & Regulatory Affairs, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 23

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

For ALL TERRITORY

SOLAR REBATE RIDER
RIDER SR

PURPOSE:

The purpose of this Rider SR is to implement the solar rebate established through §393.1030 RSMo. and to establish the terms, conditions and procedures, consistent with applicable law and MoPSC orders and rules, which the Company will rely on in accepting rebate applications, authorizing rebate payments to eligible participants for a qualifying solar electric system ("System"), and the handling of solar renewable energy credits ("SRECs") associated with the new or expanded System.

AVAILABILITY:

Subject to the Retail Rate Impact limitations set forth in 4 CSR 240-20.100(5) and §393.1030 RSMo., all Missouri retail electric customers of the Company who install, own, operate and maintain a solar electric generation system in parallel with the Company's service in accordance with the following limitations and conditions are eligible for the solar rebate:

1. The customer must have a completed and approved Net Metering Application and Agreement on file with the Company in accordance with the Company's Net Metering Rider, Rider NM.
2. The customer must be an active account on the Company's system and in good payment standing.
3. The System must be permanently installed on the customer's premise.
4. The customer must declare the installed System will remain in place on the account holder's premise for the duration of its useful life which shall be deemed to be a minimum of ten (10) years.
5. The solar modules and inverters shall be new equipment and include a manufacturer's warranty of ten (10) years.
6. No retail electric account will be eligible for a solar rebate for more than twenty-five kilowatts (25 kW) of new or expanded new capacity irrespective of the number of meters/service points associated with the account holder.
7. The System shall meet all requirements of 4 CSR 240-20.065 and the Company's Net Metering Rider, Rider NM.
8. The System must be situated in a location where a minimum of eighty-five percent (85%) of the solar resource is available to the System.
9. The customer must execute an affidavit for Company's use in complying with §393.1030 RSMo. The affidavit can be obtained from Company's website www.empiredistrict.com.
10. The system or expansion of an existing system must become operational after December 31, 2009, and must become operational on or before June 30, 2020.

CANCELLED
August 28, 2018
Missouri Public
Service Commission
JE-2019-0009

DATE OF ISSUE May 5, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE May 16, 2015
~~June 4, 2015~~

FILED
Missouri Public
Service Commission
ET-2015-0285; YE-2015-0322

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 23a

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 23a

For ALL TERRITORY

SOLAR REBATE RIDER RIDER SR

DEFINITIONS:

APPLICATION REQUIREMENTS:

All Net Metering Application and Solar Rebate Application information necessary to receive an approval from the Company. These applications are available on the Company's website www.empiredistrict.com and must be provided to the Company including, but not limited to, accurate account number, name and service address matching customer billing information, all of the Net Metering Application, all fields of Solar Rebate Application except the "System Installation Date," customer and developer signatures, System plans, specifications, warranties and wiring diagram. Non-residential customers requesting a solar rebate for systems between 100 kW and 150 kW must contact the Company for an application.

COMPLETION REQUIREMENTS:

All System installation and final documentation requirements as defined on the Company's website www.empiredistrict.com provided to the Company including, but not limited to, the System installation date, all required signatures, approval of the local inspection authority having jurisdiction (if applicable), copies of detailed receipts and invoices, System photo(s), taxpayer information form (if applicable), and affidavit.

NET METERING APPLICATION:

Section A. through Section D. of an "INTERCONNECTION APPLICATION / AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF ONE HUNDRED KILOWATTS (100 kW) OR LESS", an integral part of the Company's Net Metering Rider, Rider NM, which can be obtained from the Company's website www.empiredistrict.com.

OPERATIONAL DATE:

The date that the Company installs a meter or meters capable of determining net energy consumption and permits parallel operation of the System with the Company's electrical distribution system in accordance with the Company's "Net Metering Rider, Rider NM" tariff.

QUALIFICATION DATE:

The date that determines a customer's relative position in the Reservation Queue.

REBATE COMMITMENT:

The Company's written communication to customer, by letter or email, confirming that solar rebate funding is available for a Solar Rebate Application submitted by customer.

RESERVATION QUEUE:

The list of all complete Net Metering Applications that have been received by the Company which have not expired and have not been paid a Solar Rebate.

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
JE-2019-0009

DATE OF ISSUE July 27, 2018 DATE EFFECTIVE August 28, 2018
ISSUED BY Christopher D. Krygier, Director, Rates & Regulatory Affairs, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 23a

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

For ALL TERRITORY

SOLAR REBATE RIDER
RIDER SR

DEFINITIONS:

APPLICATION REQUIREMENTS:

All Net Metering Application and Solar Rebate Application information necessary to receive an approval from the Company. These applications are available on the Company's website www.empiredistrict.com and must be provided to the Company including, but not limited to, accurate account number, name and service address matching customer billing information, all of the Net Metering Application, all fields of Solar Rebate Application except the "System Installation Date," customer and developer signatures, System plans, specifications, warranties and wiring diagram.

COMPLETION REQUIREMENTS:

All System installation and final documentation requirements as defined on the Company's website www.empiredistrict.com provided to the Company including, but not limited to, the System installation date, all required signatures, approval of the local inspection authority having jurisdiction (if applicable), copies of detailed receipts and invoices, System photo(s), taxpayer information form (if applicable), and affidavit.

NET METERING APPLICATION:

Section A. through Section D. of an "INTERCONNECTION APPLICATION / AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF ONE HUNDRED KILOWATTS (100 kW) OR LESS", an integral part of the Company's Net Metering Rider, Rider NM, which can be obtained from the Company's website www.empiredistrict.com.

OPERATIONAL DATE:

The date that the Company installs a meter or meters capable of determining net energy consumption and permits parallel operation of the System with the Company's electrical distribution system in accordance with the Company's "Net Metering Rider, Rider NM" tariff.

QUALIFICATION DATE:

The date that determines a customer's relative position in the Reservation Queue.

REBATE COMMITMENT:

The Company's written communication to customer, by letter or email, confirming that solar rebate funding is available for a Solar Rebate Application submitted by customer.

RESERVATION QUEUE:

The list of all complete Net Metering Applications that have been received by the Company which have not expired and have not been paid a Solar Rebate.

CANCELLED
August 28, 2018
Missouri Public
Service Commission
JE-2019-0009

DATE OF ISSUE May 5, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE May 16, 2015
~~June 4, 2015~~

FILED
Missouri Public
Service Commission
ET-2015-0285; YE-2015-0322

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet
No. 23b

Canceling P.S.C. Mo. No. 5 Sec. 4 1st Original Sheet
No. 23b

For ALL TERRITORY

SOLAR REBATE RIDER
RIDER SR

SOLAR REBATE APPLICATION:

For the customer’s convenience, the Solar Rebate Application is located in two (2) places: Section H. and Section I. of an “INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF ONE HUNDRED KILOWATTS (100 kW) OR LESS”, an integral part of the Company’s Net Metering Rider, Rider NM; and Section A. and Section B. of the “MISSOURI SOLAR ELECTRIC REBATE APPLICATION”, an integral part of the Company’s Solar Rebate Rider, Rider SR – both of which can be obtained from the Company’s website www.empiredistrict.com.

SYSTEM:

Qualifying solar electric system.

REBATE RATE SCHEDULE:

Subject to the Availability provisions of this Rider SR, complete and accurate Solar Rebate Applications received by the Company for Systems that become operational on or before June 30, 2019 will be eligible for a solar rebate in the amount of \$0.50 per watt and Systems that become operational from July 1, 2019 through December 31, 2023 will be eligible for a solar rebate in the amount of \$0.25 per watt.

If a customer has satisfied all of the System Completion Requirements by June 30th of an indicated year, but the Company is not able to complete all of the Company’s steps needed to establish an Operational Date on or before June 30th, the Rebate Rate will be determined as though the Operational Date was June 30th. If it is subsequently determined that the customer or the System did not satisfy all Completion Requirements required of the customer on or before June 30th of the indicated year, the Rebate Rate will be determined based on the Operational Date. Rebates will continue be paid at \$0.25 per watt for systems which become operational until December 31, 2023.

RESERVATION QUEUE:

The Company will establish a Reservation Queue for solar rebate payments based on the System Qualification Dates. A customer, and their developer (if applicable), whose Net Metering Application and Solar Rebate Application are conditionally approved pending field commissioning safety test will be notified in writing, by letter or email, that either:

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
ET-2019-0405; JE-2019-0226

DATE OF ISSUE June 18, 2019 DATE EFFECTIVE ~~July 18, 2019~~
ISSUED BY Sheri Richard, Director, Rates & Regulatory Affairs, Joplin, MO June 29, 2019

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 23b
 Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 23b
 For ALL TERRITORY

SOLAR REBATE RIDER
RIDER SR

SOLAR REBATE APPLICATION:

For the customer’s convenience, the Solar Rebate Application is located in two (2) places: Section H. and Section I. of an “INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF ONE HUNDRED KILOWATTS (100 kW) OR LESS”, an integral part of the Company’s Net Metering Rider, Rider NM; and Section A. and Section B. of the “MISSOURI SOLAR ELECTRIC REBATE APPLICATION”, an integral part of the Company’s Solar Rebate Rider, Rider SR – both of which can be obtained from the Company’s website www.empiredistrict.com.

SYSTEM:

Qualifying solar electric system.

REBATE RATE SCHEDULE:

Subject to the Availability provisions of this Rider SR, complete and accurate Solar Rebate Applications received by the Company or postmarked on or before December 31st of any year, and for which the System becomes operational on or before June 30th of the following year, will be eligible for a solar rebate according to the following schedule:

Application Received on or before December 31 st of the Year	Operation Status Achieved on or before June 30 th of the Year	Rebate Rate per Watt
2015	2014	\$2.00
2015	2015	\$1.50
2015	2016	\$1.00
2016-2018	2017-2019	\$0.50
2019	2023 (December 31)	\$0.25

If a customer has satisfied all of the System Completion Requirements by June 30th of an indicated year, but the Company is not able to complete all of the Company’s steps needed to establish an Operational Date on or before June 30th, the Rebate Rate will be determined as though the Operational Date was June 30th. If it is subsequently determined that the customer or the System did not satisfy all Completion Requirements required of the customer on or before June 30th of the indicated year, the Rebate Rate will be determined based on the Operational Date. Rebates will continue be paid at \$0.25 per watt for systems which become operational until December 31, 2023.

RESERVATION QUEUE:

The Company will establish a Reservation Queue for solar rebate payments based on the System Qualification Dates. A customer, and their developer (if applicable), whose Net Metering Application and Solar Rebate Application are conditionally approved pending field commissioning safety test will be notified in writing, by letter or email, that either:

CANCELLED
June 29, 2019
Missouri Public
Service Commission
ET-2019-0405; JE-2019-0226

FILED
Missouri Public
Service Commission
JE-2019-0009

DATE OF ISSUE July 27, 2018 DATE EFFECTIVE August 28, 2018
 ISSUED BY Christopher D. Krygier, Director, Rates & Regulatory Affairs, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 23b

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

For ALL TERRITORY

SOLAR REBATE RIDER
RIDER SR

SOLAR REBATE APPLICATION:

For the customer's convenience, the Solar Rebate Application is located in two (2) places: Section H. and Section I. of an "INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF ONE HUNDRED KILOWATTS (100 kW) OR LESS", an integral part of the Company's Net Metering Rider, Rider NM; and Section A. and Section B. of the "MISSOURI SOLAR ELECTRIC REBATE APPLICATION", an integral part of the Company's Solar Rebate Rider, Rider SR – both of which can be obtained from the Company's website www.empiredistrict.com.

SYSTEM:

Qualifying solar electric system.

REBATE RATE SCHEDULE:

Subject to the Availability provisions of this Rider SR, complete and accurate Solar Rebate Applications received by the Company or postmarked on or before December 31st of any year, and for which the System becomes operational on or before June 30th of the following year, will be eligible for a solar rebate according to the following schedule:

Application Received on or before December 31 st of the Year	Operation Status Achieved on or before June 30 th of the Year	Rebate Rate per Watt
2015	2014	\$2.00
2015	2015	\$1.50
2015	2016	\$1.00
2016-2018	2017-2019	\$0.50
2019	2020	\$0.25

If a customer has satisfied all of the System Completion Requirements by June 30th of an indicated year, but the Company is not able to complete all of the Company's steps needed to establish an Operational Date on or before June 30th, the Rebate Rate will be determined as though the Operational Date was June 30th. If it is subsequently determined that the customer or the System did not satisfy all Completion Requirements required of the customer on or before June 30th of the indicated year, the Rebate Rate will be determined based on the Operational Date.

RESERVATION QUEUE:

The Company will establish a Reservation Queue for solar rebate payments based on the System Qualification Dates. A customer, and their developer (if applicable), whose Net Metering Application and Solar Rebate Application are conditionally approved pending field commissioning safety test will be notified in writing, by letter or email, that either:

CANCELLED
August 28, 2018
Missouri Public
Service Commission
JE-2019-0009

DATE OF ISSUE May 5, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE May 16, 2015
~~June 4, 2015~~

FILED
Missouri Public
Service Commission
ET-2015-0285; YE-2015-0322

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 23c

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

For ALL TERRITORY

SOLAR REBATE RIDER
RIDER SR

1. Solar rebate funds have been committed for their System, subject to the Qualification Date not changing and the commitment not expiring; or
2. Solar rebate funds cannot be guaranteed for their System. The Company will use the following notice in this event:

“Empire cannot guarantee solar rebate funds for your System. Empire has filed its sixty-day notice of reaching its annual retail rate impact limit pursuant to Section 393.1030, RSMo. You may still receive a solar rebate if: a) the Public Service Commission determines that Empire has not yet met its annual retail rate impact limit; b) additional rebates become available due to other qualified solar systems dropping out of the reservation queue; or c) additional rebates become available at the start of the next calendar year.”

At least monthly, the Company will notify in writing, by letter or email, those customers and their developers that did not receive a Rebate Commitment but for which a Rebate Commitment is now being made as a result of other Systems that have dropped out of the Reservation Queue. Details concerning the Reservation Queue are posted on the Company website www.empiredistrict.com. Applications will be processed within the time frames set forth by applicable law and MoPSC orders and rules.

QUALIFICATION DATE AND REBATE COMMITMENT:

The Qualification Date will be the postmarked date of the Net Metering Application and/or the Solar Rebate Application received by the Company that satisfy the Application Requirements and are subsequently approved by the Company.

The Company will only make a Rebate Commitment to a customer that has a Qualification Date and the customer, and their developer, will be notified in writing, by letter or email, of any deficiencies in the Application Requirements that will prevent a Rebate Commitment by the Company.

The Company’s Rebate Commitment to a customer will expire if:

1. The System has not attained an Operational Date within six (6) months of the Rebate Commitment date and the Company has not granted a six (6) month extension of the Rebate Commitment based upon the customer’s submission of a report of substantial progress requesting the extension which includes proof of purchase of the major System components, demonstration of partial System construction and building permit (if required), or
2. The System has not attained an Operational Date within twelve (12) months of the Rebate Commitment date, or
3. The System is not constructed in accordance with the design submitted by the customer and approved by the Company, thereby causing the Net Metering Application to become invalid

CANCELLED
September 16, 2020
Missouri Public
Service Commission

ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE May 5, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE May 16, 2015
~~June 4, 2015~~

FILED
Missouri Public
Service Commission
ET-2015-0285; YE-2015-0322

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 23d

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

For ALL TERRITORY

SOLAR REBATE RIDER RIDER SR

If a customer has satisfied all of the Completion Requirements but the Company is not able to complete all of the Company's steps needed to establish an Operational Date by the expiration of the Rebate Commitment, the Rebate Rate will be determined as though the Operational Date was achieved prior to the expiration. If it is subsequently determined that the customer or the System did not satisfy all Completion Requirements required of the customer on or before the expiration date, then the Rebate Commitment will expire and no payment will be made.

REBATE PAYMENT:

The amount of the rebate will be the combined direct current (DC) rating of the solar module(s) in watts as indicated by the applicant by clearly identifying the specific model number on the manufacturer's specification sheet(s) for the new System or the current expansion of an existing System multiplied by the rebate rate as determined by the Rebate Rate Schedule Provisions of this Rider SR.

A rebate payment will not be issued until:

1. A complete and accurate Net Metering Application has been executed by the customer and the Company, and
2. A complete and accurate Solar Rebate Application has been accepted by the Company and a Rebate Commitment made by the Company, and
3. Customer has satisfied all Completion Requirements, and
4. The System is operational.

A current Empire Net Metering customer does not need to complete a new Net Metering Application in order to take advantage of this Rider SR.

Rebate payments will be made within the time frames set forth by applicable law and MoPSC orders and rules.

NOTE: Confirmation by the Company that the System was installed and operational does not constitute any warranty or guaranty of fitness for a particular use. The Company expressly disclaims all warranties and conditions of merchantability and fitness for a particular purpose in connection with the customer's solar electric system. The customer is solely responsible for determining the appropriateness of using a qualifying solar electric system, including but not limited to the risk of system operational errors, damage to or loss of property, and unavailability or interruption of System operations. The Company will not be liable for any direct damages or for any special, incidental, or indirect damages or for any economic consequential damages. The Company will not be liable for any damages claimed based on a third party claim.

CANCELLED
September 16, 2020
Missouri Public
Service Commission

ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE May 5, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE May 16, 2015
~~June 4, 2015~~

FILED
Missouri Public
Service Commission
ET-2015-0285; YE-2015-0322

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 23e

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

For ALL TERRITORY

SOLAR REBATE RIDER RIDER SR

SOLAR RENEWABLE ENERGY CREDITS (SREC'S):

Customer shall transfer to the Company all right, title and interest in and to the solar renewable energy credits ("SRECs") associated with the new or expanded System that qualified customer for the solar rebate for a period of ten (10) years from the date the Customer receives its solar rebate.

SRECs produced by the System for which a rebate is received cannot be sold or promised for sale to any other party by customer or used by customer for any environmental or "green" program for a period of ten (10) years from the date the Customer receives its solar rebate.

The number of SRECs produced annually will be determined by the Company using PVWatts software developed by the U.S. Department of Energy (DOE) with the result rounded to the tenths digit.

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE May 5, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE May 16, 2015
~~June 4, 2015~~

FILED
Missouri Public
Service Commission
ET-2015-0285; YE-2015-0322

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 23f

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

For ALL TERRITORY

SOLAR REBATE RIDER
RIDER SR

MISSOURI SOLAR ELECTRIC REBATE APPLICATION

A. Solar Rebate (For Solar Installations only)

Solar Module Manufacturer: _____ Inverter Rating: _____ kW

Solar Module Model No: _____ Number of Modules/Panels: _____

Module Rating: _____ DC Watts System rating (sum of solar panels: _____ kW

Module Warranty: _____ years (circle on spec. sheet) Inverter Warranty: _____ years (circle on spec. sheet)

Location of modules: _____ Roof _____ Ground

Installation type: _____ Fixed _____ Ballast

System Installation Date: _____

Customer E-mail Address: _____

Customer Contact Phone Number: _____

Solar electric system must be permanently installed on the applicant's premises for a valid application.

Required documents to receive solar rebate (required to be attached for a valid application):

- Copies of detail receipts/invoices with purchase date circled
- Copies of detail spec. sheets on each component
- Copies of proof of warranty sheet (minimum of 10 year warranty)
- Photo(s) of completed system
- Completed Taxpayer Information Form (IRS Form W-9, Request for Taxpayer Identification Number and Certification)

CANCELLED
September 16, 2020
Missouri Public
Service Commission

ER-2019-0374; EN-2021-0038; YE-2021-0041

MUST BE MAILED TO EMPIRE VIA U.S. POSTAL SERVICE, FEDEX OR UPS

DATE OF ISSUE May 5, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE May 16, 2015
~~June 4, 2015~~

FILED
Missouri Public
Service Commission
ET-2015-0285; YE-2015-0322

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 23g

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 23g

For ALL TERRITORY

SOLAR REBATE RIDER RIDER SR

B. Solar Rebate Declaration (For Solar Installations only)

I understand that the complete terms and conditions of the solar rebate program are included in the Company's Rider SR – Solar Rebate tariff.

I understand that this program has limited budget, and that application will be accepted on a first-come, first-served basis, while funds are available. It is possible that I may be notified that I have been placed on a waiting list for the next year's rebate program if funds run out for the current year. This program may be modified or discontinued at any time without notice from the Company.

I understand that the solar electric system must be permanently installed and remain in place on premises for the duration of its useful life – a minimum often (10) years, and the system shall be situated in a location where a minimum of eighty-five percent (85%) of the solar resource is available to the system.

I understand the equipment must be new when installed, commercially available, and carry a minimum ten (10) year warranty.

I understand a rebate may be available from the Company on expanded or new solar electric systems that become operational after 12/31/2009. The applicable rebate rate and additional details and requirements can be found in the Company's Rider SR – Solar Rebate.

I understand the DC wattage rating provided by the original manufacturer and as noted in Section H will be used to determine the rebate amount.

I understand that as a condition of receiving a solar rebate, I am transferring to Company all right, title and interest in and to the solar renewable energy credits (SRECs) associated with the new or expanded System that qualified for the solar rebate and that **the SRECs cannot be sold or promised for sale to any other party or used by customer for any environmental or "green" program for a period of ten (10) years** from the date the I receive the solar rebate.

(NOTE: Confirmation by the Company that the System was installed and operational does not constitute any warranty or guaranty of fitness for a particular use. The Empire District Electric Company expressly disclaims any and all warranties or conditions of merchantability and fitness for a particular purpose in connection with the customer's solar electric system. The customer is solely responsible for determining the appropriateness of using a qualifying solar electric system, including but not limited to the risk of system operational errors, damage to or loss of property, and unavailability or interruption of System operations. The Empire District Electric Company will not be liable for any direct damages or for any special, incidental, or indirect damages or for any economic consequential damages. The Empire District Electric Company will not be liable for any damages claimed based on a third party claim.)

MUST BE MAILED TO EMPIRE VIA U.S. POSTAL SERVICE, FEDEX OR UPS

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

FILED
Missouri Public
Service Commission
JE-2019-0009

DATE OF ISSUE July 27, 2018 DATE EFFECTIVE August 26, 2018
ISSUED BY Christopher D. Kryger, Director, Rates & Regulatory Affairs, Joplin, MO

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 23g

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

For ALL TERRITORY

SOLAR REBATE RIDER RIDER SR

B. Solar Rebate Declaration (For Solar Installations only)

I understand that the complete terms and conditions of the solar rebate program are included in the Company's Rider SR – Solar Rebate tariff.

I understand that this program has limited budget, and that application will be accepted on a first-come, first-served basis, while funds are available. It is possible that I may be notified that I have been placed on a waiting list for the next year's rebate program if funds run out for the current year. This program may be modified or discontinued at any time without notice from the Company.

I understand that the solar electric system must be permanently installed and remain in place on premises for the duration of its useful life – a minimum often (10) years, and the system shall be situated in a location where a minimum of eighty-five percent (85%) of the solar resource is available to the system.

I understand the equipment must be new when installed, commercially available, and carry a minimum ten (10) year warranty.

I understand a rebate may be available from the Company on expanded or new solar electric systems that become operational after 12/31/2009. The applicable rebate rate and additional details and requirements can be found in the Company's Rider SR – Solar Rebate.

I understand the DC wattage rating provided by the original manufacturer and as noted in Section H will be used to determine the rebate amount.

I understand if my rebate is six hundred dollars (\$600) or more I will receive a Form 1099. (Please consult your tax advisor with any questions.)

I understand that as a condition of receiving a solar rebate, I am transferring to Company all right, title and interest in and to the solar renewable energy credits (SRECs) associated with the new or expanded System that qualified for the solar rebate and that **the SRECs cannot be sold or promised for sale to any other party or used by customer for any environmental or "green" program for a period of ten (10) years** from the date the I receive the solar rebate.

(NOTE: Confirmation by the Company that the System was installed and operational does not constitute any warranty or guaranty of fitness for a particular use. The Empire District Electric Company expressly disclaims any and all warranties or conditions of merchantability and fitness for a particular purpose in connection with the customer's solar electric system. The customer is solely responsible for determining the appropriateness of using a qualifying solar electric system, including but not limited to the risk of system operational errors, damage to or loss of property, and unavailability or interruption of System operations. The Empire District Electric Company will not be liable for any direct damages or for any special, incidental, or indirect damages or for any economic consequential damages. The Empire District Electric Company will not be liable for any damages claimed based on a third party claim.)

MUST BE MAILED TO EMPIRE VIA U.S. POSTAL SERVICE, FEDEX OR UPS

DATE OF ISSUE May 5, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE May 16, 2015
~~June 4, 2015~~

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 1st Revised Sheet No. 23h

Canceling P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 23h

For ALL TERRITORY

SOLAR REBATE RIDER
RIDER SR

Disclaimer: Possible Future Rules and/or Rate Changes
Affecting Your Photovoltaic ("PV") System

1. Your PV system is subject to the Commission's current rates, rules, and regulations. The Missouri Public Service Commission ("Commission") may alter its rules and regulations and/or change rates in the future. If this occurs, your PV system is subject to those changes, and you will be responsible for paying any future increases to electricity rates, charges, or service fees from the Company.

2. The Company's electricity rates, charges, and service fees are determined by the Commission and are subject to change based upon the decisions of the Commission. These future adjustments may positively or negatively impact any potential savings or the value of your PV system.

3. Any future electricity rate projections which may be presented to you are not produced, analyzed, or approved by the Company or the Commission. They are based on projections formulated by external third parties not affiliated with the Company or the Commission.

The undersigned warrants, certifies, and represents that the information provided in this form is true and correct to the best of my knowledge; and the installation meets all Missouri Net Metering and Solar Electric Rebate program requirements.

Print Name of Applicant

Print Installer's Name

Applicant's Signature

Installer's Signature

If Applicant is a Business, Print Title/Authority of
Person Signing on behalf of Applicant

Date

Date

MUST BE MAILED TO EMPIRE VIA U.S. POSTAL SERVICE, FEDEX OR UPS

CANCELLED
September 16, 2020
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038; YE-2021-0041

DATE OF ISSUE August 15, 2016
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE September 14, 2016

FILED
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 23h

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

For ALL TERRITORY

SOLAR REBATE RIDER
RIDER SR

The undersigned warrants, certifies, and represents that the information provided in this form is true and correct to the best of my knowledge; and the installation meets all Missouri Net Metering and Solar Electric Rebate program requirements.

Print Name of Applicant

Print Installer's Name

Applicant's Signature

Installer's Signature

If Applicant is a Business, Print Title/Authority of Person Signing on behalf of Applicant

Date

Date

CANCELLED
September 14, 2016
Missouri Public
Service Commission
ER-2016-0023; YE-2017-0031

MUST BE MAILED TO EMPIRE VIA U.S. POSTAL SERVICE, FEDEX OR UPS

DATE OF ISSUE May 5, 2015
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE May 16, 2015
~~June 4, 2015~~

FILED
Missouri Public
Service Commission
ET-2015-0285; YE-2015-0322

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 Original Sheet No. 24

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

For ALL TERRITORY

PILOTS, VARIANCES, AND PROMOTIONAL PRACTICES
LOW-INCOME PILOT PROGRAM

PURPOSE:

The goals of the Low-Income Pilot Program (Program) are to: 1) provide electric bill payment assistance to customers meeting the Program’s eligibility requirements, and 2) evaluate the impact of the Program on the disconnections and uncollectibles/bad debts amounts for Empire. This Program is provided pursuant to the orders of the Missouri Public Service Commission (MoPSC) in Case Nos. ER-2016-0023 and EO-2017-0041.

AVAILABILITY:

Availability of this Program shall be limited to customers on the Residential Service Rate who have an income level at or below 135% of the Federal Poverty Level (FPL). The designated CAA will be responsible for determining the income level of customers eligible for the Program. No customer with an arrearage that includes a theft of service charge shall be eligible to participate in the Program.

DEFINITIONS:

Designated Community Action Agency (“CAA”) - Ozarks Area Community Action Corporation (“OACAC”) and Economic Security Corporation (“ESC”).

PROVISIONS:

The total program budget is \$250,000. The Program shall run until either the budget is exhausted or until rates are implemented from Empire’s next general rate case, whichever occurs first.

The Program will provide qualified customers with a bill statement which reflects a monthly credit equal to the monthly customer charge and a revised bill payment amount under the following conditions:

1. Customer must be registered with a designated CAA Agency.
2. Customer must remain current within two (2) billing cycles to continue on the Program. Customers that default on payments for two (2) consecutive months will be removed from the Program and not be allowed back into the Program for twelve (12) months, except that a CAA may request a one-time re-enrollment for a defaulted customer experiencing a short-term, unanticipated financial hardship.
3. Customers receiving monthly credits must be enrolled in the Average Payment Plan (Rider AP) with any under or over collection balance existing at the settlement month rolled over and spread equally across all monthly bills in the next APP year.
4. Customers must make all payments on-time (before the delinquent date). 5. Monthly bill credits will be adjusted so that customer’s total bill after the monthly credit is a minimum of \$10 (ten dollars) per month. Credits will be calculated in these circumstances once the Rider AP billing amount has been determined.

ADMINISTRATION, REPORTING AND EVALUATION:

Program administration, reporting and evaluation will be conducted consistent with the terms of the orders of the MoPSC in Case Nos. ER-2016-0023 and EO-2017-0041 or as modified and approved by the MoPSC.

DATE OF ISSUE December 2, 2016
ISSUED BY Kelly S. Walters, Vice President, Joplin, MO

DATE EFFECTIVE February 28, 2017
~~January 1, 2017~~

CANCELLED
September 16, 2020
Missouri Public
Service Commission

FILED
Missouri Public
Service Commission
EO-2017-0041; YE-2017-0117