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File No.: ER-2021-0240
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MISSOURI PUBLIC SERVICE COMMISSION

FILE NO. ER-2021-0240

DIRECT TESTIMONY

OF

MICHAEL W. HARDING

ON

BEHALF OF

UNION ELECTRIC COMPANY

D/B/A AMEREN MISSOURI

**St. Louis, Missouri
March 2021**

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DIRECT TESTIMONY
OF
MICHAEL W. HARDING
FILE NO. ER-2021-0240

I. INTRODUCTION

1
2 **Q. Please state your name and business address.**

3 A. Michael W. Harding, Union Electric Company d/b/a Ameren Missouri ("Ameren
4 Missouri" or "Company"), One Ameren Plaza, 1901 Chouteau Avenue, St. Louis, Missouri 63103.

5 **Q. What is your position with Ameren Missouri?**

6 A. I am employed by Ameren Missouri as the Manager of Rates & Analysis.

7 **Q. Please describe your educational background and employment experience.**

8 A. I received a Bachelor of Science in Business Finance from the University of Kansas
9 in 2007. At the end of 2007, I accepted a Real-Time Trading Position with Union Electric
10 Company, and I was subsequently promoted to Term Trader in May 2008. At the beginning of
11 2014, I was named General Executive of Renewable Energy within Ameren Services Company. I
12 was promoted to my current position in April 2017, where I lead a team responsible for the
13 Company's class cost of service, rate design, tariff administration, and various other regulatory
14 projects. Prior to my employment at Ameren Missouri, I was employed by Westar Energy (now
15 Evergy) in various roles within its trading and asset management department.

II. PURPOSE OF TESTIMONY

16
17 **Q. What is the purpose of your direct testimony?**

18 A. The purpose of my direct testimony is to:

1 (a) Discuss the allocation of revenues to all customer classes and the design of
2 the rates necessary to achieve the Company's jurisdictional revenue requirement; and

3 (b) Outline the revisions to various other tariff sheets filed as a part of this case.

4 **Q. Are you sponsoring any schedules for presentation to the Commission in this**
5 **proceeding?**

6 A. Yes. I am sponsoring three schedules. These are listed and summarized
7 below:

8 • Schedule MWH-D1

9 Consists of the tariff sheets that reflect the revised rates being proposed by the
10 Company in this case. Such tariffs reflect an increase in the Company's net
11 jurisdictional test year revenues of approximately \$298,468,366, or 11.97% above
12 current tariffs.

13 • Schedule MWH-D2

14 Shows the distribution of the proposed net revenue requirement increase to Company's
15 various service classifications.

16 • Schedule MWH-D3

17 Details the allocation of revenues within each rate component to develop the proposed
18 rates.

1 **III. CLASS REVENUE PROPOSAL**

2 **Q. What would the base revenue requirement be for each customer class if rates**
3 **were set based solely on the equal rate of return class cost of service study ("CCOSS")**
4 **performed by Company witness Thomas Hickman?**

5 A. The table below summarizes the class base revenue requirements necessary to give
6 the Company an opportunity to achieve an equal rate of return from each of its customer classes,
7 based upon test-year figures with the pro forma adjustments made by Company witness Mitchell
8 Lansford. A more detailed summary can be found in Schedule TH-D2 attached to the direct
9 testimony of Mr. Hickman.

10 **Table 1 – Cost-Based Revenue Requirements by Customer Class (\$MM)**

Customer Class	Base Revenue Requirement	Return on Rate Base
Residential Service	\$1,533.1	6.995%
Small General Service	\$303.1	6.995%
Large General & Small Primary Service	\$737.6	6.995%
Large Primary Service	\$188.8	6.995%
Company-Owned Lighting	\$33.7	6.995%
Customer-Owned Lighting	\$4.9	6.995%
Total	\$2,801.4	6.995%

11 **Q. Why are equal rates of return for all customer classes an appropriate starting**
12 **point when designing electric utility rates?**

13 A. There are several reasons why reflecting equal rates of return for all customer
14 classes are an appropriate starting point in the consideration of rate design. First and foremost is
15 the consideration of equity and fairness to all electric customers. Purely from a cost perspective,

1 and ignoring all other factors, apportioning a cost greater than the equal return on rate base revenue
2 requirement to a given customer class results in subsidization between the classes.

3 A second important consideration is the goal of encouraging cost-effective utilization of
4 electricity by customers. To make appropriate decisions regarding the most efficient and effective
5 use of electricity, including decisions regarding the acquisition of equipment that uses electricity,
6 customers require correct and appropriate price signals from the Company's electric rates. Equal
7 rates of return for all customer classes promote such price signals.

8 A third consideration in support of equal class rates of return is that of competition. Cost-
9 based electric rates permit the Company to compete effectively with alternative fuels, co-
10 generation, and other electric providers for new commercial and industrial customers.

11 **Q. If adhering strictly to the class cost of service, what would the required change**
12 **from current rates look like?**

13 A. In order to achieve a return on rate base of 6.995%, the Company must overcome a
14 significant shortfall in current revenues. This means it must increase rates across nearly all of its
15 classes. In Table 2 below, I compare current test year class base revenues to the CCOSS equal rate
16 of return analysis shown in the previous table and detailed in Mr. Hickman's testimony.¹ This
17 shows the percentage change that would be required in each class to achieve the Company's equal
18 rate of return.

¹ The current test year class revenues detailing the net operating income and resulting class rates of return are shown in detail in Schedule TH-D1 attached to Mr. Hickman's testimony.

1 **Table 2 – Cost-Based Rate Changes by Customer Class**

Customer Class	Equal Rate of Return Base Rev Requirement	Current Return Base Rev Requirement	Required Change to achieve equal return Rev Requirement
Residential Service	\$1,533.1	\$1,273.1	20.4%
Small General Service	\$303.1	\$274.3	10.5%
Large General & Small Primary Service	\$737.6	\$727.5	1.4%
Large Primary Service	\$188.8	\$188.5	.2%
Company-Owned Lighting	\$33.7	\$35.6	-5.2%
Customer-Owned Lighting	\$4.9	\$2.8	73.8%
Total	\$2,801.4	\$2,501.9	12.0%

2 **Q. Is the Company proposing that only these cost-based class revenue**
3 **requirements be utilized in developing class rates in the case?**

4 A. No, rather the Company is proposing a modest departure from establishing class
5 revenue requirements solely on the basis of equal class rates of return as shown in its CCOSS.

6 **Q. What is the Company's proposal for allocating the revenue increase requested**
7 **in this case?**

8 A. The Company proposes the use of a two-step process similar to that used to set rates
9 in its last electric rate case:²

10 Step 1: Increase/decrease the current base retail revenue on a revenue-neutral basis to
11 various classes of customers. The Company has made a small revenue neutral adjustment
12 in this step within the Lighting class, discussed later within this testimony, and shown in
13 Table 3.

² File No. ER-2019-0335.

1 Step 2: Determine the amount of revenue increase/decrease and allocate to customer
2 classes as an equal percent of current base revenues after making the adjustment in Step 1.

3 **Q. Please summarize the Company's proposed rate increase.**

4 A. The table below summarizes the proposed class revenue requirements necessary,
5 based on test year figures, to provide the Company an opportunity to achieve its jurisdictional rate
6 of return.

7 **Table 3 – Proposed Rate Increase by Customer Class**

Customer Class	Normalized Retail Revenues	Proposed Base Revenue Requirement	Required Base Revenue Adjustment*	Percentage Increase
Residential Service	\$1,273,043,176	\$1,424,590,115	\$151,546,939	11.90%
Small General Service	\$274,247,507	\$306,941,801	\$32,694,293	11.92%
Large General Service	\$507,149,139	\$567,788,047	\$60,638,908	11.96%
Small Primary Service	\$220,416,108	\$246,816,373	\$26,400,265	11.98%
Large Primary Service	\$188,575,861	\$211,084,406	\$22,508,546	11.94%
Company-Owned Lighting	\$35,639,800	\$39,844,649	\$4,204,849	11.80%
Customer-Owned Lighting	\$2,848,591	\$3,256,954	\$408,364	14.34%
Metropolitan Sewer District	\$74,966	\$83,955	\$8,989	11.99%
Total**	\$2,501,995,147	\$2,800,406,300	\$298,411,153	11.93%

*Revenue does not include Low-Income Pilot Program Charges, Incremental Community Solar Revenues, and EDI Discounts netting to \$960,226

**Targeted increase from Company witness Mitch Lansford is \$299,468,366; however rate rounding resulted in a difference of -\$96,987.

8 **Q. Please explain the Company's proposal to allocate the revenue increase in this**
9 **two-step process rather than based solely on its CCROSS results.**

10 A. While the results of a CCROSS provide an important starting point in developing
11 class revenue targets and rate design, other factors – such as revenue stability, rate stability,
12 effectiveness in yielding total revenue requirements, public acceptance, and value of service –
13 must also be considered when determining class revenue requirements and designing rates. These

1 additional considerations drove the specific revenue neutral shifts included in the Company's two-
2 step process proposal.

3 The Company's lighting rate proposals, in particular, deserve additional attention. The
4 5(M) Company-owned lighting class rate is already above its equal return on rate base cost of
5 service, and will require gradual decreases over time to better align its rates with the cost to serve
6 it. Conversely, the 6(M) Customer-owned lighting class rate is substantially below its class cost of
7 service and will require continuing increases over time to help it contribute fairly to the cost to
8 serve it. In other words, even though a larger rate shift would be required between these lighting
9 classes to bring them fully in line with an equal return class cost of service, a shift of this size
10 would significantly impact the smaller 6M class. To minimize rate shock to the 6M class, the
11 Company recommends a smaller shift to gradually bring these rates in line over time.

12 A detailed breakdown of the Lighting cost allocations between the Company- and
13 Customer-owned lighting classes is provided in Mr. Hickman's direct testimony, and a summary
14 of the revenue-neutral lighting shift and overall revenue requirement adjustment is provided in
15 Schedule MWH-D2, attached to my testimony. The need to move these classes toward their cost
16 of service will continue to be addressed in future cases.

17 IV. RATE DESIGN

18 **Q. Please explain your use of the term "rate design."**

19 A. Generically speaking, my use of the term "rate design" refers both to the process of
20 establishing the specific charges (e.g. monthly customer charges, dollars per kilowatt of demand
21 and/or cents per kilowatt-hour energy charges) for each customer class, as well as to the actual
22 structure of an individual class rate. The rate design, or structure, of a given class rate may range

1 in complexity from a simple structure consisting of a monthly customer charge and a flat charge
2 per kilowatt-hour (such as the Company's summer residential rate), to a more complex set of
3 customer, demand, energy, and reactive charges (such as the Company's Small Primary Service
4 ("SPS") and Large Primary Service ("LPS") rate classes). In all instances, however, the charges
5 within a specific rate classification are established such that the application of these individual
6 charges to the total annual normalized customer class electrical usage for the test year will result
7 in the collection of the targeted annual revenue requirement of each of the Company's retail rate
8 classes.

9 **Q. Is the Company proposing any addition or elimination of customer classes?**

10 A. Yes. The Company proposes to eliminate the 12(M) customer class rate schedule.

11 **Q. Please explain the elimination of the 12(M) rate schedule.**

12 A. The 12(M) tariffs and rates were created to serve a specific customer that is no
13 longer taking service from the Company and does not anticipate taking service from the Company
14 in the future. In fact, File No. ED-2019-0309 concerns the cancellation of the Certificate of
15 Convenience and Necessity ("CCN") that was originally issued by the Commission in 2005 for
16 Noranda Aluminum ("Noranda"). In late 2004, Ameren Missouri entered into an agreement with
17 Noranda under which Ameren Missouri would provide regulated retail electric service for a term
18 of 15 years, subject to obtaining the required CCN to expand Ameren Missouri's service territory
19 to encompass the property that is now owned by another entity. Concurrently with the CCN, the
20 Company filed for approval of a new rate schedule, the Large Transmission Service (LTS or
21 12(M)) rate, the design of which was specifically created based on the cost to serve Noranda and
22 its business operations. The tariff was not designed in anticipation of the cost to serve any other

1 customer; there is a substantial interdependency between Noranda and the 12(M) rate and tariffs
2 developed to serve its specific needs. Without that customer, there is no longer a need for that
3 tariff.

4 **Q. Is the Company proposing any changes to its rate structures?**

5 A. Yes, in compliance with the February 28, 2020 *Stipulation and Agreement*
6 approved by the Commission in File No. ER-2019-0335 ("*Stipulation*"), the Company proposes a
7 time of use ("TOU") rate option for Small General Service ("SGS") customers having an advanced
8 meter ("AMI") consistent with EV Savers residential rate principles. Additionally, the Company
9 proposes to shorten the peak period for the Residential Smart Savers rate from 2:00 to 7:00 p.m.,
10 back to the originally proposed 3:00 to 7:00 p.m. time frame for non-holiday weekdays.

11 **Q. Please describe the TOU rate proposed for the 2(M) rate class on tariff Sheet**
12 **No. 55**

13 A. Per the *Stipulation*, the Company has proposed a two-period TOU rate with both
14 summer and winter rates, with an on-peak period from 6:00 a.m. to 10:00 p.m. and an off-peak
15 period from 10:00 p.m. to 6:00 a.m. during all days. This rate is limited to customers with an AMI
16 meter. The proposed rates are as follows:

17

<u>Energy Charge - per kWh</u>	
Summer(June-September)	
On Peak kWh	12.55¢
Off Peak kWh	8.85¢
Winter(October-May)	
On Peak kWh	8.37¢
Off Peak kWh	6.53¢

1 **Q. Please describe the rationale for adjusting the Residential Smart Savers rate**
2 **peak period from 2:00 to 7:00 p.m. to 3:00 to 7:00 p.m. on non-holiday weekdays.**

3 A. The 3:00 to 7:00 p.m. peak time period was originally proposed by the Company
4 in File No. ER-2019-0335 case for the Residential Smart Savers rate. During the settlement
5 process, the signatories agreed to modify the peak time frame and associated rates to the 2:00 to
6 7:00 p.m. time period. Based on the analysis of load research that was performed in File No. ER-
7 2019-0335, the Company proposes an adjustment in the Smart Savers rates reflecting a shift back
8 to the originally proposed 3:00 to 7:00 p.m. on-peak period. The Company believes that these
9 hours better reflect the peak demand hours and that this shift will further encourage customers to
10 make changes in their behavior by providing an opportunity for greater on-peak savings. The
11 orange highlighted cells in Table 4 below show the updated Smart Savers rates with the 3:00 to
12 7:00 .p.m time period applied based on load research presented in File No. ER-2019-0335. The
13 green cells in the table show the overall residential class rate increase proposed in this case.
14 Ameren Missouri witness Steven Wills provides more detail in his testimony regarding the need
15 for this change and the customer charge adjustments to the optional TOU rates.

16 **Table 4 – TOU: Smart Savers Rate (AMI TOU) Structure**

	Summer	Non-summer	Summer	Non-summer
Customer Charge - Monthly	\$9.00	\$9.00	\$10.00	\$10.00
On-peak energy charge	\$0.3062	\$0.1639	\$0.3433	\$0.1838
Intermediate Energy Rate	\$0.0919	\$0.0588	\$0.1030	\$0.0659
Off-peak energy charge	\$0.0581	\$0.0479	\$0.0651	\$0.0537
On-peak hours daily - only applicable Monday through Friday, non holidays	3 p.m. to 7 p.m.	6 a.m. to 8 a.m. & 6 p.m. to 8 p.m.	3 p.m. to 7 p.m.	6 a.m. to 8 a.m. & 6 p.m. to 8 p.m.
Intermediate hours daily - applies all days, except during on-peak hours	6 a.m. to 10 p.m.	6 a.m. to 10 p.m.	6 a.m. to 10 p.m.	6 a.m. to 10 p.m.
Off-peak hours daily - applies all days	10 p.m. to 6 a.m.	10 p.m. to 6 a.m.	10 p.m. to 6 a.m.	10 p.m. to 6 a.m.

1 **Q. Please describe the Company's rate design proposals in this case as they apply**
2 **to existing rates and schedules.**

3 A. Generally, the Company proposes to increase the charges for each customer class
4 by the same percentage. Implementing a rate increase in this fashion ensures that customers within
5 each respective class experience the same percentage rate increase. There are, however, two
6 exceptions to this proposed methodology:

7 The first exception is the incremental customer charge applied to the SGS, Large General
8 Service ("LGS"), SPS, and LPS rate schedules for customers opting for Time-of-Day ("TOD")
9 service. This has been increased to equal the customer charge billed under non-TOD service for
10 each respective rate class. As all customers begin receiving advanced metering, this incremental
11 charge will no longer be applicable since the installation/removal of specially programmed meters
12 will no longer be required for customers opting into and out of the TOD rate options.

13 The second exception applies to certain non-residential charges that require the same
14 changes across comparable rate classes to maintain consistency. Specifically, the three charges
15 below need to remain consistent for SPS and LPS customers because these costs are effectively
16 the same regardless of the customer class:

- 17 1) The monthly customer charge;
- 18 2) The Rider B credits (customer-owned substation discounts); and
- 19 3) The Reactive charge.

1 **V. MISCELLANEOUS TARIFF UPDATES**

2 **Q. Aside from the tariff revisions that you have already described above or that**
3 **have been discussed by other rate design witnesses, what other updates have been made to**
4 **the Company's tariffs?**

5 A. Below is a summary of the Miscellaneous Tariff updates included with this filing:

- 6 1) Updated FAC Rider Tariff to include expanded LPS voltage adjustment factors per
7 the *Stipulation* in File No. ER-2019-0335;
- 8 2) Added a Monthly Service Monitoring Charge in Misc. Charges tariff Sheet No. 63;
9 and
- 10 3) Updated Sheet No. 62.2, Section 3, Cumulation of Services on the Large Primary
11 Service Rate to provide additional exceptions to the cumulation of service
12 provisions.

13 **Q. Please describe the adjustments made to the FAC Rider with respect to the**
14 **additional Voltage Adjustment Factors.**

15 A. Per the *Stipulation*, updates were made to accommodate the break out of the
16 Voltage Adjustment Factor to include High Voltage and Transmission level voltages in addition
17 to the current Primary and Secondary voltages, while still ensuring the LPS rate cap mechanics
18 remained intact. In order to accomplish this, Weighting Factors were created to apply to each Initial
19 Rate Component that may impact the LPS class – Primary, High Voltage, and Transmission. This
20 Combined Initial Rate Component for the LPS Adjustment Factors is compared to the current LPS
21 rate cap to determine if a FAR Shortfall Adder is required. To account for this scenario, three
22 additional rates were created to apply to LPS customers who are served at the Primary, High

1 Voltage, or Transmission voltages. Definitions have been added to the FAC tariff and detailed
2 calculations have been laid out on tariff Sheet No. 71.15.

3 **Q. Please describe the addition of the Monthly Service Monitoring charge and**
4 **language on tariff Sheet No. 63, Miscellaneous Charges, and Sheet No. 105, General**
5 **Provisions, Section I.**

6 A. The addition of the Monthly Service Monitoring charge and related tariff language
7 will support the recovery of equipment and labor costs that are incurred for an individual customer
8 when power quality monitoring is requested for an extended period of time. Currently, the
9 Company provides power quality evaluation services when it becomes aware of an issue or when
10 a customer requests an evaluation due to power quality concerns. Once the issue is identified, this
11 equipment is removed from the customer's premises and redeployed elsewhere. This means that
12 the Company does not leave the equipment in place on the customer's premises and must reconnect
13 this equipment if the issue returns or the customer requests additional evaluations.

14 The Company receives numerous requests (approximately 1,000) each year for power
15 quality evaluations. Some customers have expressed interest in longer, on-going power quality
16 monitoring services. This tariff revision would provide a mechanism to accommodate these
17 customers' wishes. For customers requesting longer, ongoing monitoring services, the Company
18 and customer would enter into a contract defining the length and terms of the extended power
19 monitoring service. The customer would pay the monthly charge stated on tariff Sheet No.63 for
20 the duration of the long-term power quality monitoring. The revenues received from the customer
21 for the ongoing service would be used to reduce the revenue requirement and more appropriately
22 recover expenses directly from the individual customers causing the cost and utilizing Company

1 assets. Power quality monitoring of a shorter duration for diagnosing issues will still exist at no
2 charge to customers.

3 **Updates to LPS Cumulation of Services Provisions**

4 **Q. Why is the Company proposing to allow certain service arrangements to be**
5 **cumulated under Rate 11M Large Primary Service?**

6 A. The current tariff provisions regarding cumulation of service were established in
7 1990. Since that time, the reliability needs of very large customers have changed, as have Ameren
8 Missouri's common services arrangements for these very large customers. It often benefits both
9 the customer and Ameren Missouri to split even a 6-8 MW load between two primary voltage
10 service points. This split could be accomplished from a single substation located on the customer's
11 premises or, in the case of a remote substation, from two primary voltage feeds connected to a
12 single set of interlocking switchgear owned by the customer. Under either scenario, the two
13 individual services are currently required to be billed separately, and neither service achieves the
14 5,000 kilowatt ("KW") demand that is the minimum monthly billing demand for Rate Schedule
15 11M. As a result, such a very large and typically high load factor customer is unable to access Rate
16 Schedule 11M and is instead billed on Rate Schedule 4M. This results in unnecessarily higher rates
17 paid by the customer.

18 **Q. How do the proposed revisions to Rate Scheule 11M cumulation of service**
19 **impact prospective customers seeking to begin new operations in Ameren Missouri's service**
20 **territory?**

21 A. Ameren Missouri's Economic Development team frequently responds to rate
22 inquiries, and those prospective customers use that information to gauge the competitiveness of

1 Ameren Missouri's electric rates versus those in other locations. Generally, at the time of the rate
2 inquiry, it is impossible to know the exact service arrangements that either the customer or Ameren
3 Missouri will desire if they become a customer. This adds complexity to the response and the
4 possibility of a misunderstanding of what service conditions could impact the availability of
5 different rate schedules (4M vs. 11M). The changes proposed for Rate Schedule 11M will increase
6 Ameren Missouri's rate competitiveness, simplify responses, and reduce the number of
7 misunderstandings regarding the application of Ameren Missouri's primary service rates.

8 **Q. How do the proposed revisions to Rate Schedule 11M cumulation of service**
9 **impact existing Ameren Missouri customers?**

10 A. Historically, many of the customers that currently receive service under Rate 11M
11 actually have multiple points of service that are being combined. Those billing arrangements were
12 established decades ago and are continued under Ameren Missouri's General Rules and
13 Regulations, II. Characteristics of Service Provided, J. Non-Standard Service. As such customers
14 modify their service arrangements either to support load growth or to replace equipment at the end
15 of its useful life, they no longer qualify for continued service under the non-standard service
16 provisions. In such circumstances, the service upgrades may nullify the customer's qualification
17 for Rate Schedule 11M due to the 5,000 KW minimum monthly billing demand. The result is that
18 an existing 11M customer ends up with a material rate increase for no other reason than it became
19 necessary to upgrade its equipment or service arrangements. The proposed changes will, generally,
20 allow existing Rate Schedule 11M customers to remain on Rate Schedule 11M after a service
21 upgrade.

1 There are also a small number of existing customers that have multiple services that have
2 never been combined and, therefore, have been consistently billed on Rate Schedule 4M. A few of
3 these customers will become eligible for cumulation under the proposed revisions and receive the
4 benefits of Rate Schedule 11M for the first time.

5 **Q. Do the proposed changes apply to any other rate schedules or classes of**
6 **customers.**

7 A. No. The proposed changes will only apply to limited number of customers served
8 at a primary voltage. The provisions are not applicable to rates for secondary service.

9 **Q. Does this conclude your direct testimony?**

10 A. Yes, it does.

11

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of Union Electric Company)
d/b/a Ameren Missouri's Tariffs to Adjust) Case No. ER-2021-0240
Its Revenues for Electric Service.)

AFFIDAVIT OF MICHAEL W. HARDING

STATE OF MISSOURI)
)**ss**
CITY OF ST. LOUIS)

MICHAEL W. HARDING, being first duly sworn on his oath, states:

My name is Michael W. Harding, and on his oath declare that he is of sound mind and lawful age; that he has prepared the foregoing *Direct Testimony*; and further, under the penalty of perjury, that the same is true and correct to the best of my knowledge and belief.

/s/ Michael W. Harding
Michael W. Harding

Sworn to me this 30th day of March, 2021.

MO.P.S.C. SCHEDULE NO. 6 4th Revised SHEET NO. 53

CANCELLING MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 53

APPLYING TO MISSOURI SERVICE AREA

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*Indicates Change.

DATE OF ISSUE March 31, 2021 DATE EFFECTIVE April 30, 2021

ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6 5th Revised SHEET NO. 54

CANCELLING MO.P.S.C. SCHEDULE NO. 6 4th Revised SHEET NO. 54

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 1(M)

RESIDENTIAL ANYTIME SERVICE

*AVAILABILITY

This rate is applicable to all residential customers that are not receiving service either through an advanced meter or under an optional residential rate, and that are supplied by the Company to individually metered residences or apartments consisting of one or more rooms for the use of one or more persons as a housekeeping unit with space for eating, living and sleeping, and permanent provisions for cooking and sanitation. For such customers being served through an advanced meter, this rate is applicable until such time that the Evening/Morning Saver rate becomes applicable by its terms, or at any time as an optional rate at the customer's election.

Additional service which may be provided under the provisions of this rate include any metered combination of residential and general farm service, or separately metered service related or incidental thereto, and individually metered mobile homes or boat slips intended for normal use by a single family.

DESCRIPTION

This rate has two parts: a basic service charge and an energy charge. Energy charges are based on how much energy (kWh) is used during the month. This rate does not vary by time-of-use or demand (how much energy is used at one time).

*RATES

The monthly bill will consist of the following charges, plus adjustments:

Summer Rate (June through September)(1)

Customer Charge - per month	\$11.00
Low-Income Pilot Program Charge - per month	\$0.06
Energy Charge - per kWh	13.10¢

Winter Rate (October through May)(1)

Customer Charge - per month	\$11.00
Low-Income Pilot Program Charge - per month	\$0.06
Energy Charge - per kWh	
First 750 kWh	8.93¢
Over 750 kWh	5.96¢

(1) Refer to General Rules and Regulations, V. Billing Practices, Section A. Monthly Billing Periods, for specific applicability.

*Indicates Change.

DATE OF ISSUE March 31, 2021 DATE EFFECTIVE April 30, 2021

ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6 6th Revised SHEET NO. 54.1CANCELLING MO.P.S.C. SCHEDULE NO. 6 5th Revised SHEET NO. 54.1APPLYING TO MISSOURI SERVICE AREASERVICE CLASSIFICATION NO. 1(M)
RESIDENTIAL ANYTIME SERVICE (Cont'd.)ADJUSTMENTS

The bill will include the followings adjustments:

Fuel and Purchased Power Adjustment (Rider FAC). Applicable to all metered kilowatt-hours (kWh) of energy.

Energy Efficiency Investment Charge (Rider EEIC). Applicable to all metered kilowatt-hours (kWh) of energy excluding kWh of energy supplied to customers that have satisfied the opt-out provisions or the low-income exemption provisions of Section 393.1075, RSMo.

Renewable Energy Standard Rate Adjustment Mechanism (Rider RESRAM). Applicable to all metered kilowatt-hours (kWh) of energy.

Tax Adjustment. Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

SERVICE DETAILS

1. Payments. Bills are due and payable within twenty-one (21) days from date of bill and become delinquent thereafter.
2. Term of Use. Initial residential service period one (1) year, terminable thereafter on three (3) days' notice, however, customers may switch their residential service to a different residential rate subject to the terms of use and provisions of those rates.
3. Character of Service Supplied. Company will specify and supply one standard single-phase and, for additional residential requirements, one three-phase secondary service voltage under this Service Classification, which service will be cumulated for billing purposes. Unless otherwise required for Company's engineering or other reasons, any additional service requested by customer will be provided, subject to the Company's approval, under the provisions of Section III - Special Facilities. Such additional service, if any, supplied through facilities installed on and after May 5, 1990, will not be cumulated or otherwise combined for billing purposes with any other service supplied to customer.
4. Temporary Service. Temporary service requested for residential use will be supplied under the terms and conditions set forth under Rider D.
5. Residential Service Rate Not Applicable To:
 - a. Service supplied through one meter (or more than one meter if the readings thereof are cumulated for billing purposes) to:
 - (1) Premises which consist of one or more dwelling units and a commercial unit or
 - (2) A residence or dwelling unit when any portion of such service is used in a commercial venture.

DATE OF ISSUE March 31, 2021 DATE EFFECTIVE April 30, 2021ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6

3rd Revised

SHEET NO. 54.2

CANCELLING MO.P.S.C. SCHEDULE NO. 6

2nd Revised

SHEET NO. 54.2

APPLYING TO

MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 1(M)
RESIDENTIAL ANYTIME SERVICE (Cont'd.)

SERVICE DETAILS (Cont'd.)

5. Residential Service Rate Not Applicable To: (Cont'd.)

As used herein, the term "dwelling unit" shall mean that portion of a building which by appearance, design or arrangement is normally used for residential purposes by a single family, whether or not actually occupied, and the term "commercial unit" shall mean that portion of a building or premises which by appearance, design or arrangement is normally used for commercial purposes, whether or not actually so used.

- b. Establishments in farming areas processing, distributing or selling farm or other products which do not originate through production on the premises served.
- c. Separate buildings or other structures intended and/or used for recreational or group activities.
- d. Nursing homes and/or retirement facilities licensed by the State of Missouri Department of Social Services Division of Aging.
- e. Single-metered service supplied to multiple occupancy buildings for which a Commission variance, from the separate metering requirement contained in Section V.L. Rent Inclusion of the Company's rules and regulations, has been granted.

6. General Rules and Regulations. In addition to the above specific rules and regulations, all of Company's General Rules and Regulations shall apply to the supply of service under this rate.

DATE OF ISSUE March 31, 2021

DATE EFFECTIVE April 30, 2021

ISSUED BY Martin J. Lyons
NAME OF OFFICER

Chairman & President
TITLE

St. Louis, Missouri
ADDRESS

MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 54.3

CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 54.3

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 1(M)
RESIDENTIAL ANYTIME SERVICE (Cont'd.)

*GRANDFATHERED OPTIONAL TOD (TIME-OF-DAY) RATE PILOT

Service under the TOD pilot is no longer offered for new enrollees. Existing residential customers who are currently receiving service under the TOD pilot will continue to be eligible to receive TOD service until the installation of an advanced meter. Upon installation of an advanced meter, the customer's service will transfer to the Residential Smart Saver rate schedule with the next applicable billing period, unless the customer opts for an alternative residential rate option.

Customer Charge - per month	\$11.00
Low-Income Pilot Program Charge - per month	\$0.06
Energy Charge - per kWh (1)	
Summer (June-September billing periods)	
All On Peak kWh	33.84¢
All Off Peak kWh	7.94¢
Winter (October-May billing periods)	
First 750 kWh	8.93¢
Over 750 kWh	5.96¢

(1) On-peak and Off-peak hours applicable herein are:

- Peak hours - 2:00 P.M. to 7:00 P.M., Monday through Friday.
- Off-peak hours - 7:00 P.M. of Monday through Thursday to 2:00 P.M. of the following day, and from 7:00 P.M. Friday to 2:00 P.M. Monday.

The Grandfathered Optional TOD (Time-Of-Day) Rate Pilot is subject to the following provisions:

- a. Customer will be transferred from this TOD rate option to the applicable non-TOD rate after the meter is removed.
- b. Any customer canceling this TOD option cannot thereafter resume billing under said option.
- c. Participation shall exclude customers with a net metering agreement.

*Indicates Change.

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ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 54.4

CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 54.4

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 1(M)
RESIDENTIAL EVENING/MORNING SAVER SERVICE

AVAILABILITY

This rate is available beginning January 1, 2021 to all residential customers being served through an advanced meter and supplied by the Company to individually metered residences and apartments consisting of one or more rooms for the use of one or more persons as a housekeeping unit with space for eating, living and sleeping, and permanent provisions for cooking and sanitation.

New customers or new accounts with an advanced meter, or existing accounts that have had an advanced meter for six months, shall be placed directly on the Daytime/Overnight rate at the beginning of their next bill cycle. Customers will have the option to request all other eligible rate options subject to the term of use and provisions of those rates and can return to this rate at any time.

DESCRIPTION

This rate has two parts: a basic service charge and an energy charge. The energy charge will vary by the time of day that the energy is used (On-Peak or Off-Peak). This rate does not include a demand charge.

*RATES

The monthly bill will consist of the following charges, plus adjustments:

Customer Charge - per month	\$11.00
Low-Income Pilot Program Charge - per month	\$0.06
Energy Charge - per kWh	
Summer (June-September) (1)	
All kWh	12.78¢
Energy Adjustment per On Peak kWh	+0.50¢
Winter (October-May) (1)	
First 750 kWh	8.77¢
Over 750 kWh	5.87¢
Energy Adjustment per On Peak kWh	+0.25¢

(1) Refer to General Rules and Regulations, V. Billing Practices, Section A. Monthly Billing Periods, for specific applicability.

TIME PERIODS

On-peak and Off-peak hours applicable herein are:

Summer (June-September)

 Peak hours - 9:00 A.M. to 9:00 P.M., All days

Winter (October-May)

 Peak hours - 9:00 A.M. to 9:00 P.M., All days

*Indicates Change

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ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 54.5CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 54.5APPLYING TO MISSOURI SERVICE AREASERVICE CLASSIFICATION NO. 1(M)
RESIDENTIAL EVENING/MORNING SAVER SERVICE (Cont'd.)ADJUSTMENTS

The bill will include the followings adjustments:

Fuel and Purchased Power Adjustment (Rider FAC). Applicable to all metered kilowatt-hours (kWh) of energy.

Energy Efficiency Investment Charge (Rider EEIC). Applicable to all metered kilowatt-hours (kWh) of energy excluding kWh of energy supplied to customers that have satisfied the opt-out provisions or the low-income exemption provisions of Section 393.1075, RSMo.

Renewable Energy Standard Rate Adjustment Mechanism (Rider RESRAM). Applicable to all metered kilowatt-hours (kWh) of energy.

Tax Adjustment. Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

SERVICE DETAILS

1. Payments. Bills are due and payable within twenty-one (21) days from date of bill and become delinquent thereafter.
2. Term of Use. Initial residential service period one (1) year, terminable thereafter on three (3) days' notice, however, customers may switch their residential service to a different residential rate subject to the terms of use and provisions of those rates.
3. Character of Service Supplied. Company will specify and supply one standard single-phase and, for additional residential requirements, one three-phase secondary service voltage under this Service Classification, which service will be cumulated for billing purposes. Unless otherwise required for Company's engineering or other reasons, any additional service requested by customer will be provided, subject to the Company's approval, under the provisions of Section III - Special Facilities. Such additional service, if any, supplied through facilities installed on and after May 5, 1990, will not be cumulated or otherwise combined for billing purposes with any other service supplied to customer.
4. Residential Service Rate Not Applicable To:
 - a. Service supplied through one meter (or more than one meter if the readings thereof are cumulated for billing purposes) to:
 - (1) Premises which consist of one or more dwelling units and a commercial unit or
 - (2) A residence or dwelling unit when any portion of such service is used in a commercial venture.

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NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 54.6

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 54.6

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 1(M)

RESIDENTIAL EVENING/MORNING SAVER SERVICE (Cont'd.)

SERVICE DETAILS (Cont'd.)

As used herein, the term "dwelling unit" shall mean that portion of a building which by appearance, design or arrangement is normally used for residential purposes by a single family, whether or not actually occupied, and the term "commercial unit" shall mean that portion of a building or premises which by appearance, design or arrangement is normally used for commercial purposes, whether or not actually so used.

- b. Establishments in farming areas processing, distributing or selling farm or other products which do not originate through production on the premises served.
 - c. Separate buildings or other structures intended and/or used for recreational or group activities.
 - d. Nursing homes and/or retirement facilities licensed by the State of Missouri Department of Social Services Division of Aging.
 - e. Single-metered service supplied to multiple occupancy buildings for which a Commission variance, from the separate metering requirement contained in Section V.L. Rent Inclusion of the Company's rules and regulations, has been granted.
5. General Rules and Regulations. In addition to the above specific rules and regulations, all of Company's General Rules and Regulations shall apply to the supply of service under this rate.

ENERGY BILLING WHEN GENERATION PRESENT

Net metered customers taking service under this rate schedule will be billed for the net kWh consumed during the billing period. If the net consumption in the billing period is negative, meaning that excess generation provided by the customer to the Company exceeds the energy delivered by the Company to the customer for the billing period, the negative net kWh will be subject to credit at the applicable Net Metering Rate under the Electric Power Purchases from Qualified Net Metering Units tariff.

The applicable retail energy charges under this rate schedule will be calculated as follows: The net kWh greater than zero will be billed at the applicable seasonal energy charges and the total net kWh of on-peak usage will be subject to the Energy Adjustment.

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ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 54.7

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 54.7

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 1(M)
RESIDENTIAL SMART SAVER SERVICE

AVAILABILITY

This optional rate is available at customer's election to all residential customers being served through an advanced meter and supplied by the Company to individually metered residences and apartments consisting of one or more rooms for the use of one or more persons as a housekeeping unit with space for eating, living and sleeping, and permanent provisions for cooking and sanitation.

*** DESCRIPTION**

This rate has two parts: a basic service charge and an energy charge. The energy charge will vary by the time of day that the energy is used (On-Peak, Intermediate, Off-Peak), and the season (Summer or Winter). This rate does not have a demand charge. This rate has two options: year round service (Option A) and a summer seasonal service (Option B). Under Option B, a customer will only be billed under Residential Smart Saver for the Summer period, the Winter season will be billed under the Residential Anytime rate schedule.

*** RATES**

The monthly bill will consist of the following charges, plus adjustments:

Customer Charge - per month	
Summer (June-September; Option A & B)	\$10.00
Winter (October-May; Option A)	\$10.00
Winter (October-May; Option B)	(2)
Low-Income Pilot Program Charge - per month	\$0.06
Energy Charge - per kWh(1)	
Summer (June-September; Option A & B)	
On Peak kWh	34.32¢
Intermediate kWh	10.30¢
Off Peak kWh	6.51¢
Winter (October-May; Option A)	
On Peak kWh	18.37¢
Intermediate kWh	6.59¢
Off Peak kWh	5.37¢
Winter (October-May; Option B)	(2)

(1) Refer to General Rules and Regulations, V. Billing Practices, Section A. Monthly Billing Periods, for specific applicability.

(2) Residential Anytime Service rates apply

*** TIME PERIODS**

On-peak and Off-peak hours applicable herein are:

Summer (June-September)

 Peak hours - 3:00 P.M. to 7:00 P.M., Monday through Friday, excluding holidays(3)

 Intermediate hours - 6:00 A.M. to 10:00 P.M., All days, excluding Peak hours

 Off-Peak hours - 10:00 P.M. to 6:00 A.M., All days

*Indicates Change

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ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 61st Revised SHEET NO. 54.8CANCELLING MO.P.S.C. SCHEDULE NO. 6Original SHEET NO. 54.8

APPLYING TO

MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 1(M)
RESIDENTIAL SMART SAVER SERVICE (Cont'd.)

*TIME PERIODS (Cont'd.)Winter (October-May)

Peak hours - 6:00 A.M. to 8:00 A.M. and 6:00 P.M. to 8:00 P.M.

Monday through Friday, excluding holidays(3)

Intermediate hours - 6:00 A.M. to 10:00 P.M., All days, excluding Peak hours

Off-Peak hours - 10:00 P.M. to 6:00 A.M., All days

(3) Holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

ADJUSTMENTS

The bill will include the followings adjustments:

Fuel and Purchased Power Adjustment (Rider FAC). Applicable to all metered kilowatt-hours (kWh) of energy.

Energy Efficiency Investment Charge (Rider EEIC). Applicable to all metered kilowatt-hours (kWh) of energy excluding kWh of energy supplied to customers that have satisfied the opt-out provisions or the low-income exemption provisions of Section 393.1075, RSMo.

Renewable Energy Standard Rate Adjustment Mechanism (Rider RESRAM). Applicable to all metered kilowatt-hours (kWh) of energy.

Tax Adjustment. Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

SERVICE DETAILS

1. Payments. Bills are due and payable within twenty-one (21) days from date of bill and become delinquent thereafter.
2. Term of Use. Customers may transfer from this rate to another 1(M) residential rate schedule at any time, however, any customer transferring from this TOU option cannot thereafter resume billing under said option for a period of one year following the last billing period on the TOU option.
3. Character of Service Supplied. Company will specify and supply one standard single-phase and, for additional residential requirements, one three-phase secondary service voltage under this Service Classification, which service will be cumulated for billing purposes. Unless otherwise required for Company's engineering or other reasons, any additional service requested by

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NAME OF OFFICERChairman & President
TITLESt. Louis, Missouri
ADDRESS

MO.P.S.C. SCHEDULE NO. 61st RevisedSHEET NO. 54.9CANCELLING MO.P.S.C. SCHEDULE NO. 6OriginalSHEET NO. 54.9

APPLYING TO

MISSOURI SERVICE AREASERVICE CLASSIFICATION NO. 1(M)RESIDENTIAL SMART SAVER SERVICE (Cont'd.)SERVICE DETAILS (Cont'd.)3. Character of Service Supplied. (Cont'd.)

customer will be provided, subject to the Company's approval, under the provisions of Section III - Special Facilities. Such additional service, if any, supplied through facilities installed on and after May 5, 1990, will not be cumulated or otherwise combined for billing purposes with any other service supplied to customer.

4. Residential Service Rate Not Applicable To:

a. Service supplied through one meter (or more than one meter if the readings thereof are cumulated for billing purposes) to:

- (1) Premises which consist of one or more dwelling units and a commercial unit or
- (2) A residence or dwelling unit when any portion of such service is used in a commercial venture.

As used herein, the term "dwelling unit" shall mean that portion of a building which by appearance, design or arrangement is normally used for residential purposes by a single family, whether or not actually occupied, and the term "commercial unit" shall mean that portion of a building or premises which by appearance, design or arrangement is normally used for commercial purposes, whether or not actually so used.

- b. Establishments in farming areas processing, distributing or selling farm or other products which do not originate through production on the premises served.
- c. Separate buildings or other structures intended and/or used for recreational or group activities.
- d. Nursing homes and/or retirement facilities licensed by the State of Missouri Department of Social Services Division of Aging.
- e. Single-metered service supplied to multiple occupancy buildings for which a Commission variance, from the separate metering requirement contained in Section V.L. Rent Inclusion of the Company's rules and regulations, has been granted.
- f. Participation shall exclude customers with a net metering agreement.

5. General Rules and Regulations. In addition to the above specific rules and regulations, all of Company's General Rules and Regulations shall apply to the supply of service under this rate.

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NAME OF OFFICERChairman & President
TITLESt. Louis, Missouri
ADDRESS

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 54.10

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 54.10

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 1(M)
RESIDENTIAL OVERNIGHT SAVER SERVICE

AVAILABILITY

This optional rate is available at customer's election to all residential customers supplied by the Company to individually metered residences and apartments consisting of one or more rooms for the use of one or more persons as a housekeeping unit with space for eating, living and sleeping, and permanent provisions for cooking and sanitation. Where customers are not served through an advanced meter, an additional monthly service charge will apply.

***DESCRIPTION**

This rate has two parts: a basic service charge and an energy charge. The energy charge will vary by the time of day that the energy is used (On-Peak or Off-Peak). This rate does not include a demand charge.

This rate has two options: a year round service (Option A) and a summer seasonal service (Option B). Under Option B, a Customer will only be billed under Residential Overnight Saver for the Summer billing period, the Winter season will be billed under the Residential Anytime Service rate schedule. This rate applies for the whole house and is available whether or not the house participates in electric vehicle charging.

***RATES**

The monthly bill will consist of the following charges, plus adjustments:

Customer Charge - per month	\$11.00
Non-AMI Meter Charge - per month	\$1.50
Low-Income Pilot Program Charge - per month	\$0.06
Energy Charge - per kWh(1)	
Summer(June-September; option A & B)	
On Peak kWh	15.42¢
Off Peak kWh	6.15¢
Winter(October-May; option A)	
On Peak kWh	8.68¢
Off Peak kWh	5.30¢
Winter(October-May; option B)	(2)

(1) Refer to General Rules and Regulations, V. Billing Practices, Section A. Monthly Billing Periods, for specific applicability.

(2) Residential Anytime Service rates apply.

TIME PERIODS

On-peak and Off-peak hours applicable herein are:

Summer (June-September)

 Peak hours - 6:00 A.M. to 10:00 P.M., All days

 Off-Peak hours - 10:00 P.M. to 6:00 A.M., All days

Winter (October-May)

 Peak hours - 6:00 A.M. to 10:00 P.M., All days

 Off-Peak hours - 10:00 P.M. to 6:00 A.M., All days

*Indicates Change.

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ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 54.11CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 54.11APPLYING TO MISSOURI SERVICE AREASERVICE CLASSIFICATION NO. 1(M)RESIDENTIAL OVERNIGHT SAVER SERVICE (Cont'd.)ADJUSTMENTS

The bill will include the followings adjustments:

Fuel and Purchased Power Adjustment (Rider FAC). Applicable to all metered kilowatt-hours (kWh) of energy.

Energy Efficiency Investment Charge (Rider EEIC). Applicable to all metered kilowatt-hours (kWh) of energy excluding kWh of energy supplied to customers that have satisfied the opt-out provisions or the low-income exemption provisions of Section 393.1075, RSMo.

Renewable Energy Standard Rate Adjustment Mechanism (Rider RESRAM). Applicable to all metered kilowatt-hours (kWh) of energy.

Tax Adjustment. Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

SERVICE DETAILS

1. Payments. Bills are due and payable within twenty-one (21) days from date of bill and become delinquent thereafter.
2. Term of Use. Customers may transfer from this rate to another 1(M) residential rate schedule at any time, however, any customer transferring from this TOU option cannot thereafter resume billing under said option for a period of one year following the last billing period on the TOU option.
3. Character of Service Supplied. Company will specify and supply one standard single-phase and, for additional residential requirements, one three-phase secondary service voltage under this Service Classification, which service will be cumulated for billing purposes. Unless otherwise required for Company's engineering or other reasons, any additional service requested by customer will be provided, subject to the Company's approval, under the provisions of Section III - Special Facilities. Such additional service, if any, supplied through facilities installed on and after May 5, 1990, will not be cumulated or otherwise combined for billing purposes with any other service supplied to customer. Customers receiving additional service at a residential premise for the sole purpose of charging an electric vehicle may select this rate in lieu of the Small General Service rate.
4. Residential Service Rate Not Applicable To:
 - a. Service supplied through one meter (or more than one meter if the readings thereof are cumulated for billing purposes) to:
 - (1) Premises which consist of one or more dwelling units and a commercial unit or
 - (2) A residence or dwelling unit when any portion of such service is used in a commercial venture.

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NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 54.12

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 54.12

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 1(M)

RESIDENTIAL OVERNIGHT SAVER SERVICE (Cont'd.)

SERVICE DETAILS (Cont'd.)

4. Residential Service Rate Not Applicable To: (Cont'd.)

As used herein, the term "dwelling unit" shall mean that portion of a building which by appearance, design or arrangement is normally used for residential purposes by a single family, whether or not actually occupied, and the term "commercial unit" shall mean that portion of a building or premises which by appearance, design or arrangement is normally used for commercial purposes, whether or not actually so used.

- b. Establishments in farming areas processing, distributing or selling farm or other products which do not originate through production on the premises served.
- c. Separate buildings or other structures intended and/or used for recreational or group activities.
- d. Nursing homes and/or retirement facilities licensed by the State of Missouri Department of Social Services Division of Aging.
- e. Single-metered service supplied to multiple occupancy buildings for which a Commission variance, from the separate metering requirement contained in Section V.L. Rent Inclusion of the Company's rules and regulations, has been granted.
- f. Participation shall exclude customers with a net metering agreement.

5. General Rules and Regulations. In addition to the above specific rules and regulations, all of Company's General Rules and Regulations shall apply to the supply of service under this rate.

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ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 54.13

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 54.13

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 1(M)
RESIDENTIAL ULTIMATE SAVER SERVICE

AVAILABILITY

This optional rate is available as of January 1, 2021 at customer's election to all residential customers being served through an advanced meter and supplied by the Company to individually metered residences and apartments consisting of one or more rooms for the use of one or more persons as a housekeeping unit with space for eating, living and sleeping, and permanent provisions for cooking and sanitation.

DESCRIPTION

This rate has three parts: a basic service charge, an energy charge, and a demand charge. The energy charge will vary by the time of day that the energy is used (On-Peak or Off-Peak), and the season (Summer or Winter).

***RATES**

The monthly bill will consist of the following charges, plus adjustments:

Customer Charge - per month	\$9.00
Low-Income Pilot Program Charge - per month	\$0.06
Demand Charge - per monthly kW of billing demand	
Summer (June-September)(1)	\$7.96
Winter (October-May)(1)	\$3.28
Energy Charge - per kWh	
Summer (June-September)(1)	
On Peak kWh	29.20¢
Off Peak kWh	4.95¢
Winter (October-May)(1)	
On Peak kWh	15.88¢
Off Peak kWh	4.37¢

(2) Refer to General Rules and Regulations, V. Billing Practices, Section A. Monthly Billing Periods, for specific applicability.

On-peak and Off-peak hours applicable herein are:

Summer (June-September)

Peak hours - 3:00 P.M. to 7:00 P.M., Monday through Friday, excluding holidays(2)

Off-Peak hours - All other hours

Winter (October-May)

Peak hours - 6:00 A.M. to 8:00 A.M. and 6:00 P.M. to 8:00 P.M. Monday through Friday, excluding holidays(2)

Off-Peak hours - All other hours

(2) Holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

*Indicates Change

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ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 54.14CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 54.14APPLYING TO MISSOURI SERVICE AREASERVICE CLASSIFICATION NO. 1(M)
RESIDENTIAL ULTIMATE SAVER SERVICE (Cont'd.)ADJUSTMENTS

The bill will include the followings adjustments:

Fuel and Purchased Power Adjustment (Rider FAC). Applicable to all metered kilowatt-hours (kWh) of energy.Energy Efficiency Investment Charge (Rider EEIC). Applicable to all metered kilowatt-hours (kWh) of energy excluding kWh of energy supplied to customers that have satisfied the opt-out provisions or the low-income exemption provisions of Section 393.1075, RSMo.Renewable Energy Standard Rate Adjustment Mechanism (Rider RESRAM). Applicable to all metered kilowatt-hours (kWh) of energy.Tax Adjustment. Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.DEMAND BILLING

The Demand Charge will be assessed on the Customer's maximum usage measured over a one hour period between 6:00 A.M. and 10:00 P.M. on any day of the billing period.

SERVICE DETAILS

1. Payments. Bills are due and payable within twenty-one (21) days from date of bill and become delinquent thereafter.
2. Term of Use. Customers may transfer from this rate to another 1(M) residential rate schedule at any time, however, any customer transferring from this rate option cannot thereafter resume billing under said option for a period of one year following the last billing period on the this option.
3. Character of Service Supplied. Company will specify and supply one standard single-phase and, for additional residential requirements, one three-phase secondary service voltage under this Service Classification, which service will be cumulated for billing purposes. Unless otherwise required for Company's engineering or other reasons, any additional service requested by customer will be provided, subject to the Company's approval, under the provisions of Section III - Special Facilities. Such additional service, if any, supplied through facilities installed on and after May 5, 1990, will not be cumulated or otherwise combined for billing purposes with any other service supplied to customer.

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NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 54.15

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 54.15

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 1(M)
RESIDENTIAL ULTIMATE SAVER SERVICE (Cont'd.)

SERVICE DETAILS (Cont'd.)

1. Residential Service Rate Not Applicable To:
 - a. Service supplied through one meter (or more than one meter if the readings thereof are cumulated for billing purposes) to:
 - (1) Premises which consist of one or more dwelling units and a commercial unit or
 - (2) A residence or dwelling unit when any portion of such service is used in a commercial venture.

As used herein, the term "dwelling unit" shall mean that portion of a building which by appearance, design or arrangement is normally used for residential purposes by a single family, whether or not actually occupied, and the term "commercial unit" shall mean that portion of a building or premises which by appearance, design or arrangement is normally used for commercial purposes, whether or not actually so used.
 - b. Establishments in farming areas processing, distributing or selling farm or other products which do not originate through production on the premises served.
 - c. Separate buildings or other structures intended and/or used for recreational or group activities.
 - d. Nursing homes and/or retirement facilities licensed by the State of Missouri Department of Social Services Division of Aging.
 - e. Single-metered service supplied to multiple occupancy buildings for which a Commission variance, from the separate metering requirement contained in Section V.L. Rent Inclusion of the Company's rules and regulations, has been granted.
 - f. Participation shall exclude customers with a net metering agreement.
2. General Rules and Regulations. In addition to the above specific rules and regulations, all of Company's General Rules and Regulations shall apply to the supply of service under this rate.

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 5th Revised SHEET NO. 55

CANCELLING MO.P.S.C. SCHEDULE NO. 6 4th Revised SHEET NO. 55

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 2(M)

SMALL GENERAL SERVICE RATE

***RATE BASED ON MONTHLY METER READINGS**

Standard Rate

Summer Rate	(June through September)(1)	
Customer Charge - per month		
Single Phase Service		\$11.67
Three Phase Service		\$22.31
Limited Unmetered Service		\$6.18
Low-Income Pilot Program Charge - per month		\$ 0.07
Energy Charge - per kWh		11.68¢

Winter Rate	(October through May)(1)	
Customer Charge - per month		
Single Phase Service		\$11.67
Three Phase Service		\$22.31
Limited Unmetered Service		\$6.18
Low-Income Pilot Program Charge - per month		\$ 0.07
Energy Charge - per kWh		
Base Use		8.72¢
Seasonal Use(2)		5.03¢

Optional Overnight Saver Rate (3)

Customer Charge - per month		
Single Phase Service		\$11.67
Three Phase Service		\$22.31
Limited Unmetered Service		\$6.18
Low-Income Pilot Program Charge - per month		\$0.07
Energy Charge - per kWh (4)		
Summer(June-September)(1)		
On Peak kWh		12.55¢
Off Peak kWh		8.85¢
Winter(October-May)(1)		
On Peak kWh		8.37¢
Off Peak kWh		6.53¢

Legacy Optional Time-of-Day Rate

Customer Charge - per month		
Single Phase Service		\$22.35
Three Phase Service		\$43.65
Limited Unmetered Service		\$6.18
Low-Income Pilot Program Charge - per month		\$ 0.07
Energy Charge - per kWh (5)		
Summer (June-September)(1)		
All On Peak kWh		17.36¢
All Off Peak kWh		7.08¢
Winter (October-May)(1)		
All On Peak kWh		11.43¢
All Off Peak kWh		5.25¢

*Indicates Change

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 4th Revised SHEET NO. 55.1

CANCELLING MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 55.1

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 2(M)

SMALL GENERAL SERVICE RATE (Cont'd.)

RATE BASED ON MONTHLY METER READINGS(Cont'd.)

- (1) Refer to General Rules and Regulations, V. Billing Practices, Section A. Monthly Billing Periods, for specific applicability.
- (2) The winter seasonal energy use shall be all kWh in excess of 1,000 kWh per month and in excess of the lesser of a) the kWh use during the preceding May billing period, or b) the kWh use during the preceding October billing period, or c) the maximum monthly kWh use during any preceding summer month.
- (3) Limited to customers that have an AMI meter.
- (4) During all days and periods, the on-peak hours are 6:00 A.M. to 10:00 P.M. and the off-peak hours are 10:00 P.M. to 6:00 A.M.
- (5) On-peak and Off-peak hours applicable herein shall be as specified in Rider I, paragraph A.

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 55.2

CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 55.2

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 2(M)
SMALL GENERAL SERVICE RATE (Cont'd.)

RATE BASED ON MONTHLY METER READINGS (Cont'd.)

Fuel and Purchased Power Adjustment (Rider FAC) Applicable to all metered kilowatt-hours (kWh) of energy.

Energy Efficiency Investment Charge (Rider EEIC) Applicable to all metered kilowatt-hours (kWh) of energy excluding kWh of energy supplied to customers that have satisfied the opt-out provisions of Section 393.1075, RSMo.

Renewable Energy Standard Rate Adjustment Mechanism (Rider RESRAM) Applicable to all metered kilowatt-hours (kWh) of Energy.

Payments Bills are due and payable within twenty-one (21) days from date of bill and become delinquent thereafter.

Term of Use One (1) year, terminable thereafter on three (3) days' notice.

Tax Adjustment Any license, franchise, gross receipts, occupation, or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

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ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
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MO.P.S.C. SCHEDULE NO. 6 4th Revised SHEET NO. 55.3CANCELLING MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 55.3APPLYING TO MISSOURI SERVICE AREA**SERVICE CLASSIFICATION NO. 2(M)**
SMALL GENERAL SERVICE RATE (Cont'd.)**1. RATE APPLICATION**

This rate is applicable to all secondary service supplied by the Company in Missouri for general use which does not qualify for any other secondary rate.

2. CHARACTER OF SERVICE SUPPLIED

Company will specify and provide a standard single- and/or three-phase alternating current secondary service voltage.

3. CUMULATION OF SERVICES

Service provided through multiple meters to the same customer on the same premises and cumulated for billing purposes under this Service Classification, prior to May 5, 1990, may continue to receive such billing. Unless otherwise required for Company's engineering or other reasons, any additional services installed at customer's request and agreed to by Company on and after May 5, 1990, will not be cumulated or otherwise combined for billing purposes with any other service supplied to customer.

4. DEMAND PROVISIONS

Customer shall be transferred to the Company's Large General Service Rate 3(M) whenever customer's metered demand in any summer month exceeds 100 kW. For a customer being served through an advanced meter, they may be transferred to Large General Service Rate 3(M) as soon as the next billing period.

For customers remaining on Company's legacy automated meter reading system, when normal use of an existing customer or the estimated use of a new customer exceeds 25,000 kWh per month for two consecutive summer billing months, or Company has reason to believe that customer's summer demand exceeds 100 kW regardless of his kWh use, Company will install a demand meter for purposes of measuring customer's demand.

5. CUSTOMERS WITHOUT PRIOR BILLING DETERMINANTS

Customers on this rate who did not have sufficient use during preceding billing periods to establish their Base use for the winter billing season will be billed entirely on the Base rate unless electric heating supplies the customer's entire space heating requirements, in which case one-half of all use in excess of 1,000 kWh will be billed on the Base rate and one-half on the Seasonal energy rate. In either event, after subsequent billing periods are completed, the customer's billing during the preceding winter will be reviewed using the Base use determined from the following May billing period and a refund given if appropriate.

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MO.P.S.C. SCHEDULE NO. 6 4th Revised SHEET NO. 55.4CANCELLING MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 55.4APPLYING TO MISSOURI SERVICE AREASERVICE CLASSIFICATION NO. 2(M)
SMALL GENERAL SERVICE RATE (Cont'd.)**6. OPTIONAL TIME-OF-DAY (TOD) SERVICE**

Applicable at customer's option for all Small General Service usage, subject to the following provisions:

- a. If an advanced meter is not present, Customer shall be transferred to this TOD rate option effective with TOD meter installation and transferred from this TOD rate option to the applicable non-TOD rate after the meter is removed.
- b. Customer electing this TOD option, shall remain on said option for a minimum period of twelve (12) months, provided however, that customer may discontinue this option within the first ninety (90) days thereunder subject to the continued payment of the TOD customer charge, in lieu of any other customer charge, for the full twelve (12) month term of this option.
- c. Any customer canceling this TOD option cannot thereafter resume billing under said option for a period of one year following the last billing period on the TOD option.
- d. Premises with 120 volt 2-wire service, or meter locations which would make monthly meter readings unusually difficult to obtain, do not qualify for this TOD option.

7. LIMITED UNMETERED SERVICE

Where service is required for electrical loads which are constant over a predetermined operating schedule and can be reasonably estimated by Company, Company may at its sole discretion waive the metering requirement for the limited types of load referred to herein. In such instances Company would calculate monthly billing for these loads under Service Classification No. 2(M). Additionally, all other provisions of Service Classification 2(M) shall apply to these loads. Service supplied under the provisions of this paragraph is limited to loads of 5 kVA or less at any one service delivery point.

8. GENERAL RULES AND REGULATIONS

In addition to the above specific rules and regulations, all of Company's General Rules and Regulations shall apply to the supply of service under this rate.

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 5th Revised SHEET NO. 56

CANCELLING MO.P.S.C. SCHEDULE NO. 6 4th Revised SHEET NO. 56

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 3(M)

LARGE GENERAL SERVICE RATE

***RATE BASED ON MONTHLY METER READINGS**

Summer Rate (June through September)(1)

Customer Charge - per month	\$105.82
Low-Income Pilot Program Charge - per month	\$ 0.78
Energy Charge - per kWh	
First 150 kWh per kW of Billing Demand	10.85¢
Next 200 kWh per kW of Billing Demand	8.16¢
All Over 350 kWh per kW of Billing Demand	5.49¢
Demand Charge - per kW of Total Billing Demand	\$ 6.04

Winter Rate (October through May)(1)

Customer Charge - per month	\$105.82
Low-Income Pilot Program Charge - per month	\$ 0.78
Base Energy Charge - per kWh	
First 150 kWh per kW of Base Demand	6.82¢
Next 200 kWh per kW of Base Demand	5.06¢
All Over 350 kWh per kW of Base Demand	3.99¢
Seasonal Energy Charge - Seasonal kWh	3.99¢
Demand Charge - per kW of Total Billing Demand	\$ 2.24

Optional Time-of-Day Adjustments

Additional Customer Charge - per month	\$21.08	
Energy Adjustment - per kWh	On-Peak	Off-Peak
	<u>Hours(2)</u>	<u>Hours(2)</u>
Summer kWh(June-September)(1)	+1.14¢	-0.65¢
Winter kWh(October-May)(1)	+0.35¢	-0.19¢

(1) Refer to General Rules and Regulations, V. Billing Practices, Section A. Monthly Billing Periods, for specific applicability.

(2) On-peak and off-peak hours applicable herein shall be as specified in Rider I, paragraph A.

*Indicates Change.

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 5th Revised SHEET NO. 57

CANCELLING MO.P.S.C. SCHEDULE NO. 6 4th Revised SHEET NO. 57

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 4(M)
SMALL PRIMARY SERVICE RATE

***RATE BASED ON MONTHLY METER READINGS**

Summer Rate (June through September)(1)

Customer Charge - per month	\$362.60
Low-Income Pilot Program Charge - per month	\$ 0.78
Energy Charge - per kWh	
First 150 kWh per kW of Billing Demand	10.53¢
Next 200 kWh per kW of Billing Demand	7.93¢
All Over 350 kWh per kW of Billing Demand	5.32¢
Demand Charge - per kW of Total Billing Demand	\$ 5.21
Reactive Charge - per kVar	39.00¢

Winter Rate (October through May)(1)

Customer Charge - per month	\$362.60
Low-Income Pilot Program Charge - per month	\$ 0.78
Base Energy Charge - per kWh	
First 150 kWh per kW of Base Demand	6.63¢
Next 200 kWh per kW of Base Demand	4.92¢
All Over 350 kWh per kW of Base Demand	3.85¢
Seasonal Energy Charge - Seasonal kWh	3.85¢
Demand Charge - per kW of Total Billing Demand	\$ 1.89
Reactive Charge - per kVar	39.00¢

Optional Time-of-Day Adjustments

Additional Customer Charge - per Month	\$21.08 per month	
Energy Adjustment - per kWh	<u>On-Peak</u>	<u>Off-Peak</u>
	<u>Hours(2)</u>	<u>Hours(2)</u>
Summer kWh(June-September)(1)	+0.84¢	-0.48¢
Winter kWh(October-May)(1)	+0.31¢	-0.18¢

- (1) Refer to General Rules and Regulations, V. Billing Practices, Section A. Monthly Billing Periods, for specific applicability.
- (2) On-peak and off-peak hours applicable herein shall be as specified within this service classification.

*Indicates Change.

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 6th Revised SHEET NO. 58

CANCELLING MO.P.S.C. SCHEDULE NO. 6 5th Revised SHEET NO. 58

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 5(M)
STREET AND OUTDOOR AREA LIGHTING - COMPANY-OWNED

*RATE PER UNIT PER MONTH LAMP AND FIXTURE

A. LED bracket mounted luminaire on existing wood pole:

<u>Identification</u>	<u>Rate</u>
100W Equivalent (1)	\$10.99
250W Equivalent (1)	\$17.73
400W Equivalent (1)	\$32.59

(1) The equivalent wattage represents the rating of the high pressure sodium lamp that the LED replaces.

B. LED directional flood luminaire; limited to installations accessible to Company basket truck:

<u>Identification</u>	<u>Rate</u>
Directional - Small	\$23.10
Directional - Medium	\$37.03
Directional - Large	\$73.80

C. LED post-top luminaire including standard 17-foot post:

<u>Identification</u>	<u>Rate</u>
All Styles	\$24.40

The High Pressure Sodium and Mercury Vapor offerings under sections D. and E. below are no longer available. Company will replace these existing fixtures, upon failure, with an LED fixture under section A.

D. Standard horizontal burning, enclosed luminaire on existing wood pole:

<u>High Pressure Sodium</u>		<u>Mercury Vapor</u>	
<u>Lumens</u>	<u>Rate</u>	<u>Lumens</u>	<u>Rate</u>
9,500	\$13.62	6,800	\$13.07
25,500	\$18.84	20,000	\$17.90
50,000	\$34.00	54,000	\$30.21

E. Standard side mounted, hood with open bottom glassware on existing wood pole:

<u>High Pressure Sodium</u>		<u>Mercury Vapor</u>	
<u>Lumens</u>	<u>Rate</u>	<u>Lumens</u>	<u>Rate</u>
5,800	\$11.20	3,300	\$10.84
9,500	\$11.96	6,800	\$11.41

*Indicates Change.

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 6th Revised SHEET NO. 58.1

CANCELLING MO.P.S.C. SCHEDULE NO. 6 5th Revised SHEET NO. 58.1

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 5(M)
STREET AND OUTDOOR AREA LIGHTING - COMPANY-OWNED (Cont'd.)

***RATE PER UNIT PER MONTH LAMP AND FIXTURE (Cont'd.)**

The High Pressure Sodium, Metal Halide and Mercury Vapor offerings under section F. below are no longer available for new installations. Company will replace these existing fixtures, upon failure, with an LED fixture under section B.

F. Pole-mounted, directional flood luminaire; limited to installations accessible to Company basket truck:

<u>High Pressure Sodium</u>		<u>Metal Halide</u>		<u>Mercury Vapor</u>	
<u>Lumens</u>	<u>Rate</u>	<u>Lumens</u>	<u>Rate</u>	<u>Lumens</u>	<u>Rate</u>
25,500	\$24.44	34,000	\$23.53	20,000	\$23.50
50,000	\$38.67	100,000	\$76.42	54,000	\$34.88

The High Pressure Sodium and Mercury Vapor offerings under sections G. below are no longer available for new installations.

G. Standard post-top luminaire including standard 17-foot post:

<u>High Pressure Sodium</u>		<u>Mercury Vapor (1)</u>	
<u>Lumens</u>	<u>Rate</u>	<u>Lumens</u>	<u>Rate</u>
9,500	\$25.57	3,300	\$24.07
		6,800	\$25.01

(1) Mercury Vapor lamps and fixtures are limited to customers served under contracts initiated prior to September 27, 1988. Company will continue to maintain these lamps and fixtures so long as parts are economically available.

H. All poles and cable, where required to provide lighting service:
 The installation of all standard poles and cables shall be paid for in advance by customer, with all subsequent replacements of said facilities provided by Company.

I. Former Subsidiary Company lighting units provided under contracts initiated prior to April 9, 1986, which facilities will only be maintained by Company so long as parts are available in Company's present stock:

<u>Lamp and Fixture</u>	<u>Per Unit Monthly Rate</u>
11,000 Lumens, Mercury Vapor, Open Bottom	\$10.87
140,000 Lumens, H.P. Sodium, Directional	\$77.06

Term of Contract Minimum term of three (3) years where only standard facilities are installed; ten (10) years where post-top luminaires are installed.

*Indicates Change.

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 6th Revised SHEET NO. 59

CANCELLING MO.P.S.C. SCHEDULE NO. 6 5th Revised SHEET NO. 59

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 6(M)

STREET AND OUTDOOR AREA LIGHTING - CUSTOMER-OWNED

***MONTHLY RATE FOR METERED SERVICE**

Customer Charge Per Meter \$7.97 per month
 Energy Charge 5.04¢ per kWh

***RATE PER UNIT PER MONTH**

			<u>Energy & Maintenance(1)</u>	<u>Energy Only(2)</u>
<u>H.P. Sodium</u>				
9,500	Lumens,	Standard	\$ 4.20	\$ 1.96
25,500	Lumens,	Standard	\$ 7.19	\$ 5.01
50,000	Lumens,	Standard	\$ 10.32	\$ 7.87
<u>Metal Halide</u>				
5,500	Lumens,	Standard	\$ 6.13	N/A
12,900	Lumens	Standard	\$ 7.26	N/A
<u>Mercury Vapor</u>				
			<u>(3)</u>	
3,300	Lumens,	Standard	\$ 4.20	\$ 2.08
6,800	Lumens,	Standard	\$ 5.40	\$ 3.37
11,000	Lumens,	Standard	\$ 7.29	\$ 4.80
20,000	Lumens,	Standard	\$ 9.59	\$ 7.41
54,000	Lumens,	Standard	\$20.35	\$17.65

Light Emitting Diodes (LED) Energy Only
 Energy Charge - per rated wattage per month 1.70¢

- (1) Company will furnish electric energy, furnish and replace lamps, and adjust and replace control mechanisms, as required. In conjunction with the Company's conversion of its Company-Owned lights to LED, Company anticipates eliminating 6(M) Energy & Maintenance service in the future but not prior to 6/1/2022. Customers remaining on Energy & Maintenance at that time will be transitioned to Energy Only service.
 - (2) Limited to lamps served under contracts initiated prior to September 27, 1988.
 - (3) Maintenance of lamps and fixtures limited to customers served under contracts prior to November 15, 1991.
- N/A Not Available.

Term of Contract One (1) year, terminable thereafter on three (3) days' notice.

Discount For Franchised Municipal Customers A 10% discount will be applied to bills rendered for lighting facilities served under the above rates and currently contracted for by municipalities with whom the Company has an ordinance granted electric franchise as of September 27, 1988. The above discount shall only apply for the duration of said franchise. Thereafter, the above discount shall apply only when the following two conditions are met: 1) any initial or subsequent ordinance granted electric franchise must be for a minimum term of twenty (20) years and 2) Company must have a contract for all lighting facilities for municipal lighting service provided by Company in effect.

*Indicates Change.

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MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 59.4

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 59.4

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 6(M)

STREET AND OUTDOOR AREA LIGHTING - CUSTOMER-OWNED (Cont'd.)

*** 4. LIMITED LED CONVERSION OPTION AND GRANDFATHERING PROVISION (Cont'd.)**

The monthly unmetered energy-only 6(M) LED rate plus,
 \$3.16 per month for a 100 watt equivalent LED fixture;
 \$4.09 per month for a 250 watt equivalent LED fixture;
 \$7.23 per month for a 400 watt equivalent LED fixture.

In addition, all other applicable charges under this Service Classification 6(M) shall apply.

If customer requests, in writing, the termination of all or a portion of converted LEDs under this provision within ten years of the installation of the LED being terminated, customer shall pay in advance to Company \$100.00 per fixture for both the removal costs associated therewith and the loss of the remaining life value of such facilities. If said request for termination is made after the above ten year in-service period, and customer requests a new lighting installation within twelve months after the removal of the prior terminated lighting facilities, customer shall pay the amount specified earlier in this paragraph for all facilities previously removed prior to Company making any new lighting installation.

5. GENERAL RULES AND REGULATIONS

In addition to the above specific rules and regulations, all of Company's General Rules and Regulations shall apply to service supplied under this Service Classification.

*Indicates Change.

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 5th Revised SHEET NO. 61

CANCELLING MO.P.S.C. SCHEDULE NO. 6 4th Revised SHEET NO. 61

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 11(M)

LARGE PRIMARY SERVICE RATE

*RATE BASED ON MONTHLY METER READINGS

Summer Rate (June through September)(1)

Customer Charge - per month	\$362.60
Low-Income Pilot Program Charge - per month	\$ 84.83
Energy Charge - per kWh	3.67¢
Demand Charge - per kW of Billing Demand	\$ 21.58
Reactive Charge - per kVar	39.00¢

Winter Rate (October through May)(1)

Customer Charge - per month	\$362.60
Low-Income Pilot Program Charge - per month	\$ 84.83
Energy Charge - per kWh	3.36¢
Demand Charge - per kW of Billing Demand	\$ 9.61
Reactive Charge - per kVar	39.00¢

Optional Time-of-Day Adjustments

Additional Customer Charge - per Month	\$21.08 per month	
Energy Adjustment - per kWh	On-Peak	Off-Peak
	<u>Hours(2)</u>	<u>Hours(2)</u>
Summer kWh (June-September)(1)	+0.64¢	-0.35¢
Winter kWh (October-May)(1)	+0.29¢	-0.18¢

- (1) Refer to General Rules and Regulations, V. Billing Practices, Section A. Monthly Billing Periods, for specific applicability.
- (2) On-peak and off-peak hours applicable herein shall be as specified within this service classification.

*Indicates Change.

DATE OF ISSUE March 31, 2021 DATE EFFECTIVE April 30, 2021

ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 61.2

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 61.2

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 11(M)
LARGE PRIMARY SERVICE RATE (Cont'd.)

1. RATE APPLICATION

The rate shall be applicable, at customer's request, to all service at a primary voltage or higher, provided customer agrees to a minimum monthly billing demand of 5,000 kilowatts.

2. CHARACTER OF SERVICE SUPPLIED

Company will specify and supply a standard three-phase alternating current primary service voltage. Where Company supplies service at 34.5 kV or higher, the appropriate adjustments under Rider B will apply.

***3. CUMULATION OF SERVICES**

Service provided through multiple meters to the same customer on the same premises and cumulated for billing purposes under this Service Classification may continue to receive such billing under the provisions of Rules and Regulations, Billing Practices, Non-Standard Service. Unless otherwise required for Company's engineering or other reasons, any additional services installed at customer's request and agreed to by Company will not be cumulated or otherwise combined for billing purposes with any other service supplied to customer except under the following conditions:

- A. Where Company provides more than one service to a single premises from a single Company-owned substation located on customer's premises and provides no additional distribution facilities beyond the substation, all service taken directly from the substation may be cumulated, or
- B. Where Company provides more than one service to a single set of customer-owned metal-clad switchgear, the services provided to that switchgear may be cumulated.

Cumulation under A and B above shall be the additive sum of the individual monthly demand of each service.

4. DEMAND METERS

Company will install demand meters for the measurement of demands.

*Indicates Change.

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ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 61.3

CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 61.3

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 11(M)
LARGE PRIMARY SERVICE RATE (Cont'd.)

***5. BILLING DEMAND**

The Billing Demand in any month will be the highest demand established during peak hours or 50% of the highest demand established during off-peak hours, whichever is highest during the month, but in no event less than 5,000 kW.

Peak hours and off-peak hours are defined as follows:

Peak hours: 10:00 A.M. to 10:00 P.M., Monday thru Friday.

Off-Peak hours: All other hours including the entire 24 hours of the following days:

New Year's Day	Independence Day	Thanksgiving Friday
Good Friday	Labor Day	Christmas Eve Day
Memorial Day	Thanksgiving Day	Christmas Day

All times stated above apply to the local effective time.

6. REACTIVE CHARGE

The charge specified in this rate shall be applicable to the kilovars by which the customer's average metered kilovars exceed the customer's kilovars at an average power factor of 90% lagging during the billing period. Such average kilovar billing units shall be determined in accordance with the following formula:

$$kVar = \left(\frac{kVarh}{kWh} - 0.4843 \right) (kW)$$

where:

- kVar = kilovar billing units
- kVarh = metered kilovar-hours
- kWh = metered kilowatt-hours
- kW = metered kilowatts
- 0.4843 = kilovar requirement at 90% lagging power factor.

Where in the Company's judgment application of the above formula would not be appropriate to full or partial self-generation customers, an alternative agreement, between Company and customers, for the payment of reactive supply facilities may be substituted for said formula.

*Indicates Reissue.

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CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 61.4

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 11(M)
LARGE PRIMARY SERVICE RATE (Cont'd.)

***7. OPTIONAL TIME-OF-DAY (TOD) SERVICE**

Applicable at customer's option for all Large Primary Service usage, subject to the following provisions:

- a. If advanced metering is not present, Customer shall be transferred to this TOD rate option effective with TOD meter installation and transferred from this TOD rate option to the applicable non-TOD rate after the meter is removed.
- b. Customer electing this TOD option, shall remain on said option for a minimum period of twelve (12) months, provided however, that customer may discontinue this option within the first ninety (90) days thereunder subject to the continued payment of the TOD customer charge, in lieu of any other customer charge, for the full twelve (12) month term of this option.
- c. Any customer canceling this TOD option cannot thereafter resume billing under said option for a period of one year following the last billing period on the TOD option.

8. GENERAL RULES AND REGULATIONS

In addition to the above specific rules and regulations, all of the Company's General Rules and Regulations shall apply to the supply of service under this rate.

* Indicates Reissue.

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6

6th Revised

SHEET NO. 62

CANCELLING MO.P.S.C. SCHEDULE NO. 6

5th Revised

SHEET NO. 62

APPLYING TO MISSOURI SERVICE AREA

*THIS SHEET RESERVED FOR FUTURE USE

*Indicates Change.

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6

2nd Revised

SHEET NO. 62.1

CANCELLING MO.P.S.C. SCHEDULE NO. 6

1st Revised

SHEET NO. 62.1

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ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6

2nd Revised

SHEET NO. 62.2

CANCELLING MO.P.S.C. SCHEDULE NO. 6

1st Revised

SHEET NO. 62.2

APPLYING TO

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6

1st Revised

SHEET NO. 62.3

CANCELLING MO.P.S.C. SCHEDULE NO. 6

Original

SHEET NO. 62.3

APPLYING TO

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 62.4

CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 62.4

APPLYING TO MISSOURI SERVICE AREA

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APPLYING TO MISSOURI SERVICE AREA

MISCELLANEOUS CHARGES

Reconnection Charges per Connection Point

Applicable to Rider F - Annually Recurring Service, Par. B.3.: \$30.00

Applicable to General Rules & Regulations VII. Disconnection and Reconnection of Service, Reconnection of Service:

Where an operational AMI remote disconnect is not present: \$30.00

Where an operational AMI remote disconnect is present: \$ 5.00

Returned Check Fee \$25.00

Opt-Out Charges

Applicable to General Rules & Regulations IV. Measurement of Service, Remote Meter Reading Opt-Out:

One-time setup charge \$100.00

Non-Standard Meter Charge - per month \$40.00

Paperless Billing Incentive (Credit to Customer)

Applicable to General Rules & Regulations V. Billing Practices, Paperless Billing

Paperless Billing Incentive - per month \$0.50

Service Call Charge

Customer's reporting service problems may be charged a \$50.00 fee for a service call, if it is determined the problem is within the customer's electrical system.

Tax Adjustment

Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

* Monthly Service Monitoring Charge

Sheet No. 105, Section I \$500

** Supplementary Service Minimum Monthly Charges

Applicable to Rider E - Supplementary Service , Section C-3:

Charges applicable during 4 monthly billing periods of June through September Primary Service Rate

Customer Charge per month, plus \$362.60

Low-Income Pilot Program Charge - per month \$84.83

All kW @ \$21.58

Charges applicable during 8 monthly billing periods of October through May Primary Service Rate

Customer Charge per month, plus \$362.60

Low-Income Pilot Program Charge - per month \$84.83

All kW @ \$9.61

*Indicates Addition.

**Indicates Change.

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APPLYING TO MISSOURI SERVICE AREA

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

APPLICABILITY

This rider is applicable to kilowatt-hours (kWh) of energy supplied to customers served by the Company under Service Classification Nos. 1(M), 2(M), 3(M), 4(M), 5(M), 6(M), 11(M), and 12(M).

Costs passed through this Fuel and Purchased Power Adjustment Clause (FAC) reflect differences between actual fuel and purchased power costs, including transportation and emissions costs and revenues, net of off-system sales revenues (OSSR) (i.e., Actual Net Energy Costs (ANEC)) and Net Base Energy Costs (B), calculated and recovered as provided for herein.

The Accumulation Periods and Recovery Periods are as set forth in the following table:

<u>Accumulation Period (AP)</u>	<u>Recovery Period (RP)</u>
February through May	October through May
June through September	February through September
October through January	June through January

AP means the four (4) calendar months during which the actual costs and revenues subject to this rider will be accumulated for the purposes of determining the Fuel Adjustment Rate (FAR).

RP means the calendar months during which the FAR is applied to retail customer usage on a per kWh basis, as adjusted for service voltage.

The Company will make a FAR filing no later than sixty (60) days prior to the first day of the applicable Recovery Period above. All FAR filings shall be accompanied by detailed workpapers supporting the filing in an electronic format with all formulas intact.

FAR DETERMINATION

Ninety five percent (95%) of the difference between ANEC and B for each respective AP will be utilized to calculate the FAR under this rider pursuant to the following formula with the results stated as a separate line item on the customers' bills.

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

FAR DETERMINATION (Cont'd.)

For each FAR filing made, the FAR_{RP} is calculated as:

$$FAR_{RP} = [(ANEC - B) \times 95\% \pm I \pm P \pm TUP] / S_{RP}$$

Where:

$$ANEC = FC + PP + E \pm R - OSSR$$

FC = Fuel costs and revenues associated with the Company's generating plants consisting of the following:

- 1) For fossil fuel plants:
 - A. the following costs and revenues (including applicable taxes) arising from steam plant operations recorded in FERC Account 501: coal commodity, gas, alternative fuels, Btu adjustments assessed by coal suppliers, quality adjustments related to the sulfur content of coal assessed by coal suppliers, railroad transportation, switching and demurrage charges, railcar repair and inspection costs, railcar depreciation, railcar lease costs, similar costs associated with other applicable modes of transportation, fuel hedging costs, fuel oil adjustments included in commodity and transportation costs, fuel additive costs included in commodity or transportation costs, oil costs, ash disposal costs and revenues, and expenses resulting from fuel and transportation portfolio optimization activities;
 - B. the following costs and revenues reflected in FERC Account 502 for: consumable costs related to Air Quality Control System (AQCS) operation, such as urea, limestone, and powder activated carbon; and
 - C. the following costs and revenues (including applicable taxes) arising from non-steam plant operations recorded in FERC Account 547: natural gas generation costs related to commodity, oil, transportation, storage, capacity reservation, fuel losses, hedging, and revenues and expenses resulting from fuel and transportation portfolio optimization activities, but excluding fuel costs related to the Company's landfill gas generating plant known as Maryland Heights Energy Center; and
- 2) The following costs and revenues (including applicable taxes) arising from nuclear plant operations, recorded in FERC Account 518: nuclear fuel commodity expense, waste disposal expense, and nuclear fuel hedging costs.

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CANCELLING MO.P.S.C. SCHEDULE NO. _____ SHEET NO. _____

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

FAR DETERMINATION (Cont'd.)

- PP = Purchased power costs and revenues and consists of the following:
- 1) The following costs and revenues for purchased power reflected in FERC Account 555, excluding (a) amounts associated with the subscribed portions of Power Purchase Agreements dedicated to specific customers under the Renewable Choice Program tariff or any subsequent renewable subscription program that is approved by the Commission in an order that acknowledges that such program's impacts should be excluded from Factor PP, (b) all charges under Midcontinent Independent System Operator, Inc. ("MISO") Schedules 10, 16, 17 and 24 (or any successor to those MISO Schedules), and (c) generation capacity charges for contracts with terms in excess of one (1) year. Such costs and revenues include:
 - A. MISO costs or revenues for MISO's energy and operating reserve market settlement charge types and capacity market settlement clearing costs or revenues associated with:
 - i. Energy;
 - ii. Losses;
 - iii. Congestion management:
 - a. Congestion;
 - b. Financial Transmission Rights; and
 - c. Auction Revenue Rights;
 - iv. Generation capacity acquired in MISO's capacity auction or market; provided such capacity is acquired for a term of one (1) year or less;
 - v. Revenue sufficiency guarantees;
 - vi. Revenue neutrality uplift;
 - vii. Net inadvertent energy distribution amounts;
 - viii. Ancillary Services:
 - a. Regulating reserve service (MISO Schedule 3, or its successor);
 - b. Energy imbalance service (MISO Schedule 4, or its successor);
 - c. Spinning reserve service (MISO Schedule 5, or its successor);and
 - d. Supplemental reserve service (MISO Schedule 6, or its successor); and
 - ix. Demand response:
 - a. Demand response allocation uplift; and
 - b. Emergency demand response cost allocation (MISO Schedule 30, or its successor);

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

FAR DETERMINATION (Cont'd.)

- B. Non-MISO costs or revenues as follows:
 - i. If received from a centrally administered market (e.g. PJM/SPP), costs or revenues of an equivalent nature to those identified for the MISO costs or revenues specified in subpart 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 shortfall and for a duration up to the expected length of the period during which the shortfall is expected to exist.

- 2) One and 87/100 percent (1.87%) of transmission service costs reflected in FERC Account 565 and one and 87/100 percent (1.87%) of transmission revenues reflected in FERC Account 456.1 (excluding (a) amounts associated with the subscribed portions of Purchased Power Agreements dedicated to specific customers under the Renewable Choice Program tariff or any subsequent renewable subscription program that is approved by the Commission in an order that acknowledges that such program's impacts should be excluded from this Factor PP and (b) costs or revenues under MISO Schedule 10, or any successor to that MISO Schedule). Such transmission service costs and revenues included in Factor PP include:

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

FAR DETERMINATION (Cont'd.)

3)A. MISO costs and revenues associated with:

- i. Network transmission service (MISO Schedule 9 or its successor);
- ii. Point-to-point transmission service (MISO Schedules 7 and 8 or their successors);
- iii. System control and dispatch (MISO Schedule 1 or its successor);
- iv. Reactive supply and voltage control (MISO Schedule 2 or its successor);
- v. MISO Schedule 11 or its successor;
- vi. MISO Schedules 26, 26A, 26C, 26D, 37 and 38 or their successors;
- vii. MISO Schedule 33; and
- viii. MISO Schedules 41, 42-A, 42-B, 45 and 47;

B. Non-MISO costs and revenues associated with:

- i. Network transmission service;
- ii. Point-to-point transmission service;
- iii. System control and dispatch; and
- iv. Reactive supply and voltage control.

E = Costs and revenues for SO₂ and NO_x emissions allowances in FERC Accounts 411.8, 411.9, and 509, including those associated with hedging.

R = Net insurance recoveries for costs/revenues included in this Rider FAC (and the insurance premiums paid to maintain such insurance), and subrogation recoveries and settlement proceeds related to costs/revenues included in this Rider FAC.

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APPLYING TO MISSOURI SERVICE AREARIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And
Thereafter)FAR DETERMINATION (Cont'd.)

OSSR = Costs and revenues in FERC Account 447 (excluding (a) amounts associated with portions of Power Purchase Agreements dedicated to specific customers under the Renewable Choice Program tariff or any subsequent renewable subscription program that is approved by the Commission in an order that acknowledges that such program's impacts should be excluded from Factor OSSR, (b) amounts associated with generation assets dedicated, as of the date BF was determined, to specific customers under the Renewable Choice Program tariff or any subsequent renewable subscription program that is approved by the Commission in an order that acknowledges that such program's impacts should be excluded from Factor OSSR and (c) amounts associated with generation assets that began commercial operation after the date BF was determined and that were dedicated to specific customers under the Renewable Choice Program tariff or any subsequent renewable subscription program that is approved by the Commission in an order that acknowledges that such program's impacts should be excluded from Factor OSSR when it began commercial operation) for:

1. Capacity;
2. Energy;
3. Ancillary services, including:
 - A. Regulating reserve service (MISO Schedule 3, or its successor);
 - B. Energy Imbalance Service (MISO Schedule 4, or its successor);
 - C. Spinning reserve service (MISO Schedule 5, or its successor); and
 - D. Supplemental reserve service (MISO Schedule 6, or its successor);
4. Make-whole payments, including:
 - A. Price volatility; and
 - B. Revenue sufficiency guarantee; and
5. Hedging.

For purposes of factors FC, E, and OSSR, "hedging" is defined as realized losses and costs (including broker commissions and fees associated with the hedging activities) minus realized gains associated with mitigating volatility in the Company's cost of fuel, off-system sales and emission allowances, including but not limited to, the Company's use of futures, options and over-the-counter derivatives including, without limitation, futures contracts, puts, calls, caps, floors, collars, and swaps.

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

FAR DETERMINATION (Cont'd.)

Should FERC require any item covered by factors FC, PP, E 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 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 = BF x S_{AP}

BF = The Base Factor, which is equal to the normalized value for the sum of allowable fuel costs (consistent with the term FC), plus cost of purchased power (consistent with the term PP), and emissions costs and revenues (consistent with the term E), less revenues from off-system sales (consistent with the term OSSR) divided by corresponding normalized retail kWh as adjusted for applicable losses. The normalized values referred to in the prior sentence shall be those values used to determine the revenue requirement in the Company's most recent rate case. The BF applicable to June through September calendar months (BF_{SUMMER}) is \$0.01149 per kWh. The BF applicable to October through May calendar months (BF_{WINTER}) is \$0.01036 per kWh.

S_{AP} = kWh during the AP that ended immediately prior to the FAR filing, as measured by taking the most recent kWh data for the retail component of the Company's load settled at its MISO CP node (AMMO.UE or successor node), plus the metered net energy output of any generating station operating within its certificated service territory as a behind the meter resource in MISO, the output of which served to reduce the Company's load settled at its MISO CP node (AMMO.UE or successor node).

S_{RP} = Applicable RP estimated kWh representing the expected retail component of the Company's load settled at its MISO CP node (AMMO.UE or successor node) plus the metered net energy output of any generating station operating within its certificated service territory as a behind the meter resource in MISO, the output of which served to reduce the Company's load settled at its MISO CP node (AMMO.UE or successor node).

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APPLYING TO MISSOURI SERVICE AREARIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

FAR DETERMINATION (Cont'd.)

I = Interest applicable to (i) the difference between ANEC and B 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 ("TUP") provided for herein. Interest shall be calculated monthly at a rate equal to the weighted average interest rate 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.

TUP = True-up amount as defined below.

The FAR, which will be multiplied by the Voltage Adjustment Factors (VAF) set forth below is calculated as:

FAR = The lower of (a) PFAR and (b) RAC.

where:

- FAR = Fuel Adjustment Rate applied to retail customer usage on a per kWh basis starting with the applicable Recovery Period following the FAR filing.
- FAR_{RP} = FAR Recovery Period rate component calculated to recover under- or over-collection during the Accumulation Period that ended immediately prior to the applicable filing.
- FAR_(RP-1) = FAR Recovery Period rate component for the under- or over-collection during the Accumulation Period immediately preceding the Accumulation Period that ended immediately prior to the application filing for FAR_{RP}.
- PFAR = The Preliminary FAR, which is the sum of FAR_{RP} and FAR_(RP-1)
- RAC = Rate Adjustment Cap: applies to the FAR rate and shall apply so long as the rate caps provided for by Section 393.1655, RSMo. are in effect, and shall be calculated by multiplying the rate as determined under Section 393.1655.4 by the 2.85% Compound Annual Growth Rate compounded for the amount of time in days that has passed since the effective date of rate schedules published to effectuate the Commission's Order that approved the Stipulation and Agreement that resolved File No. ER-2016-0179, and subtracting the then-current RESRAM rate under Rider RESRAM and the average base rate determined from the most recent general rate proceeding as calculated pursuant to Section 393.1655, and dividing that result by the weighted average voltage adjustment factor 1.0455%.

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CANCELLING MO.P.S.C. SCHEDULE NO. _____ SHEET NO. _____

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

FAR DETERMINATION (Cont'd.)

The Initial Rate Component For the Individual Service Classifications shall be determined by multiplying the FAR determined in accordance with the foregoing by the following Voltage Adjustment Factors (VAF):

Secondary Voltage Service (VAF _{SEC})	1.0539
Primary Voltage Service (VAF _{PRI})	1.0222
High Voltage Service (VAF _{HV})	1.0059
Transmission Voltage Service (VAF _{TRANS})	0.9928

Customers served by the Company under Service Classification No. 11(M), Large Primary Service, shall have their rate capped such that their FAR_{LPS} does not exceed RAC_{LPS}, where

RAC_{LPS} = Rate Adjustment Cap Applicable to LPS Class: applies to the FAR rate applicable to customers in the LPS class and shall apply so long as the rate caps provided for by Section 393.1655, RSMo. are in effect, and shall be calculated by multiplying the class average overall rate as determined under Section 393.1655.6 by the 2.00% Compound Annual Growth Rate compounded for the amount of time that has passed in days since the effective date of rate schedules published to effectuate the Commission's Order that approved the Stipulation and Agreement that resolved File No. ER-2016-0179, and subtracting the then-current RESRAM rate under Rider RESRAM and the class average base rate determined from the most recent general rate proceeding as calculated pursuant to Section 393.1655.

FAR_{LPS} = The weighted average of the voltage specific Fuel Adjustment Rates that will be applicable to customers taking service under Service Classification No. 11(M), Large Primary Service, which is calculated as the lesser of (a) the Combined Initial Rate Component for RAC_{LPS} Comparison or (b) RAC_{LPS}.

Combined Initial Rate Component for RAC_{LPS} Comparison = The sum of the products of each of the Primary, High Voltage, and Transmission Initial Rate Components for the Individual Service Classifications and the applicable following LPS Weighting Factor(WF):

Primary Voltage LPS Weighting Factor (WF _{PRI})	0.1587
High Voltage LPS Weighting Factor (WF _{HV})	0.3967
Transmission Voltage LPS Weighting Factor (WF _{TRANS})	0.4446

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

FAR DETERMINATION (Cont'd.)

Where the Combined Initial Rate Component for RAC_{LPS} Comparison is greater than FAR_{LPS}, then a Per kWh FAR Shortfall Adder shall apply to each of the respective Initial Rate Components to be determined as follows:

Per kWh FAR Shortfall Adder = (((Combined Initial Rate Component For RAC_{LPS} Comparison - FAR_{LPS}) x SLPS) / (SRP - SRP-LPS))

Where:

- SLPS = Estimated Recovery Period LPS kWh sales at the retail meter
- SRP-LPS = Estimated Recovery Period LPS kwh sales at the Company's MISO CP Node (AMMO.UE or successor node)

The FAR Applicable to the Non-LPS Individual Service Classifications shall be determined as follows:

- FARSEC = Initial Rate Component For Secondary Customers + (Per kWh FAR Shortfall Adder x VAFSEC)
- FARPRI = Initial Rate Component For Primary Customers + (Per kWh FAR Shortfall Adder x VAFPRI)
- FARHV = Initial Rate Component For Primary Customers + (Per kWh FAR Shortfall Adder x VAFHV)
- FARTRANS = Initial Rate Component For Primary Customers + (Per kWh FAR Shortfall Adder x VAFTRANS)

The FAR Applicable to the LPS Individual Service Classifications shall be determined as follows:

- LPSFARPRI = Initial Rate Component For Primary Customers x LPS RAC Cap Multiplier
- LPSFARHV = Initial Rate Component For High Voltage Customers x LPS RAC Cap Multiplier
- LPSFARTRANS = Initial Rate Component For Transmission Customers x LPS RAC Cap Multiplier

Where the LPS RAC Cap Multiplier is the FAR_{LPS} divided by the Combined Initial Rate Component for RAC_{LPS} Comparison.

The FAR applicable to the individual Service Classifications, including the calculations on Lines 24 through 29 of Rider FAC, shall be rounded to the nearest \$0.00001 to be charged on a \$/kWh basis for each applicable kWh billed.

TRUE-UP

After completion of each RP, the Company shall make a true-up filing on the same day as its FAR filing. Any true-up adjustments shall be reflected in TUP above. Interest on the true-up adjustment will be included in I above.

The true-up adjustments shall be the difference between the revenues billed and the revenues authorized for collection during the RP.

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APPLYING TO _____

MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

GENERAL RATE CASE/PRUDENCE REVIEWS

The following shall apply to this FAC, in accordance with Section 386.266.4, RSMo. and applicable Missouri Public Service Commission Rules governing rate adjustment mechanisms established under Section 386.266, RSMo:

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

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

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RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

FAC CHARGE TYPE TABLE

MISO Energy & Operating Reserve Market Settlement Charge Types and Capacity Market Charges and Credits

DA Asset Energy Amount;	RT Asset Energy Amount;
DA Congestion Rebate on Carve-out GFA;	RT Congestion Rebate on Carve-out GFA;
DA Congestion Rebate on Option B GFA;	RT Contingency Reserve Deployment Failure Charge Amount;
DA Financial Bilateral Transaction Congestion Amount;	RT Demand Response Allocation Uplift Charge;
DA Financial Bilateral Transaction Loss Amount;	RT Distribution of Losses Amount;
DA Loss Rebate on Carve-out GFA;	RT Excessive Energy Amount;
DA Loss Rebate on Option B GFA;	RT Excessive\Deficient Energy Deployment Charge Amount;
DA Non-Asset Energy Amount;	RT Financial Bilateral Transaction Congestion Amount;
DA Ramp Capability Amount;	RT Financial Bilateral Transaction Loss Amount;
DA Regulation Amount;	RT Loss Rebate on Carve-out GFA;
DA Revenue Sufficiency Guarantee Distribution Amount;	RT Miscellaneous Amount;
DA Revenue Sufficiency Guarantee Make Whole Payment Amount;	RT Ramp Capability Amount;
DA Spinning Reserve Amount;	Real Time MVP Distribution;
DA Supplemental Reserve Amount;	RT Net Inadvertent Distribution Amount;
DA Virtual Energy Amount;	RT Net Regulation Adjustment Amount;
FTR Annual Transaction Amount;	RT Non-Asset Energy Amount;
FTR ARR Revenue Amount;	RT Non-Excessive Energy Amount;
FTR ARR Stage 2 Distribution;	RT Price Volatility Make Whole Payment;
FTR Full Funding Guarantee Amount;	RT Regulation Amount;
FTR Guarantee Uplift Amount;	RT Regulation Cost Distribution Amount;
FTR Hourly Allocation Amount;	RT Resource Adequacy Auction Amount;
FTR Infeasible ARR Uplift Amount;	RT Revenue Neutrality Uplift Amount;
FTR Monthly Allocation Amount;	RT Revenue Sufficiency Guarantee First Pass Dist Amount;
FTR Monthly Transaction Amount;	RT Revenue Sufficiency Guarantee Make Whole Payment Amount;
FTR Yearly Allocation Amount;	RT Schedule 49 Distribution
FTR Transaction Amount;	RT Spinning Reserve Amount;
	RT Spinning Reserve Cost Distribution Amount;
	RT Supplemental Reserve Amount;
	RT Supplemental Reserve Cost Distribution Amount;
	RT Virtual Energy Amount;

MISO Transmission Service Settlement Schedules

MISO Schedule 1 (System control & dispatch);	MISO Schedule 41 (Charge to Recover Costs of Entergy Strom Securitization);
MISO Schedule 2 (Reactive supply & voltage control);	MISO Schedule 42A (Entergy Charge to Recover Interest);
MISO Schedule 7 & 8 (point to point transmission service);	MISO Schedule 42B (Entergy Credit associated with AFUDC);
MISO Schedule 9 (network transmission service);	MISO Schedule 45 (Cost Recovery of NERC Recommendation or Essential Action);
MISO Schedule 11 (Wholesale Distribution);	MISO Schedule 47 (Entergy Operating Companies MISO Transition Cost Recovery);
MISO Schedules 26, 26A, 37 & 38 (MTEP & MVP Cost Recovery);	
MISO Schedules 26-C & 26-D - (TMEP Cost Recovery);	
MISO Schedule 33 (Black Start Service);	

MISO Charge Types Which Appear On MISO Settlement Statements Represent Administrative Charges And Are Specifically Excluded From The FAC

DA Market Administration Amount;	RT Market Administration Amount;
DA Schedule 24 Allocation Amount;	RT Schedule 24 Allocation Amount;
FTR Market Administration Amount;	RT Schedule 24 Distribution Amount;
Schedule 10 - ISO Cost Recovery Adder;	Schedule 10 - FERC - Annual Charges Recovery;

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RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

FAC CHARGE TYPE TABLE (Cont'd.)

PJM Market Settlement Charge Types

Auction Revenue Rights;
 Balancing Operating Reserve;
 Balancing Operating Reserve for Load Response;

 Balancing Spot Market Energy;
 Balancing Transmission Congestion;
 Balancing Transmission Losses;
 Capacity Resource Deficiency;
 Capacity Transfer Rights;
 Day-ahead Economic Load Response;
 Day-Ahead Load Response Charge Allocation;
 Day-ahead Operating Reserve;
 Day-ahead Operating Reserve for Load Response;
 Day-ahead Spot Market Energy;
 Day-ahead Transmission Congestion;
 Day-ahead Transmission Losses;
 Demand Resource and ILR Compliance Penalty;
 Emergency Energy;
 Emergency Load Response;
 Energy Imbalance Service;
 Financial Transmission Rights Auction;
 Generation Deactivation;
 Generation Resource Rating Test Failure;
 Inadvertent Interchange;
 Incremental Capacity Transfer Rights;
 Interruptible Load for Reliability;

Load Reconciliation for Inadvertent Interchange;
 Load Reconciliation for Operating Reserve Charge;
 Load Reconciliation for Regulation and Frequency Response Service;
 Load Reconciliation for Spot Market Energy;
 Load Reconciliation for Synchronized Reserve;
 Load Reconciliation for Synchronous Condensing;
 Load Reconciliation for Transmission Congestion;
 Load Reconciliation for Transmission Losses;
 Locational Reliability;
 Miscellaneous Bilateral;
 Non-Unit Specific Capacity Transaction;
 Peak Season Maintenance Compliance Penalty;
 Peak-Hour Period Availability;
 PJM Customer Payment Default;
 Planning Period Congestion Uplift;
 Planning Period Excess Congestion;
 Ramapo Phase Angle Regulators;
 Real-time Economic Load Response;
 Real-Time Load Response Charge Allocation;
 Regulation and Frequency Response Service;
 RPM Auction;
 Station Power;
 Synchronized Reserve;
 Synchronous Condensing;
 Transmission Congestion;
 Transmission Losses;

PJM Transmission Service Charge Types

Black Start Service;
 Day-ahead Scheduling Reserve;
 Direct Assignment Facilities;
 Expansion Cost Recovery;
 Firm Point-to-Point Transmission Service;
 Internal Firm Point-to-Point Transmission Service;
 Internal Non-Firm Point-to-Point Transmission Service;
 Load Reconciliation for PJM Scheduling, System Control and Dispatch Service;
 Load Reconciliation for PJM Scheduling, System Control and Dispatch Service Refund;
 Load Reconciliation for Reactive Services;
 Load Reconciliation for Transmission Owner Scheduling, System Control and Dispatch Service;
 Network Integration Transmission Service;
 Network Integration Transmission Service (exempt);

Network Integration Transmission Service Offset;
 Non-Firm Point-to-Point Transmission Service;
 Non-Zone Network Integration Transmission Service;
 Other Supporting Facilities;
 PJM Scheduling, System Control and Dispatch Service Refunds;
 PJM Scheduling, System Control and Dispatch Services;
 Qualifying Transmission Upgrade Compliance Penalty;
 Reactive Supply and Voltage Control from Generation and Other Sources Service;
 Transmission Enhancement;
 Transmission Owner Scheduling, System Control and Dispatch Service;
 Unscheduled Transmission Service;
 Reactive Services;

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RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

FAC CHARGE TYPE TABLE (Cont'd.)

PJM Charge Types Which Appear On The Settlement Statements Represent Administrative Charges Are Specifically Excluded From The FAC

Annual PJM Building Rent;	Michigan - Ontario Interface Phase Angle Regulators;
Annual PJM Cell Tower;	North American Electric Reliability Corporation
FERC Annual Charge Recovery;	(NERC);
Load Reconciliation for FERC Annual Charge Recovery;	Organization of PJM States, Inc. (OPSI) Funding;
Load Reconciliation for North American Electric Reliability Corporation (NERC);	PJM Annual Membership Fee;
Load Reconciliation for Organization of PJM States, Inc. (OPSI) Funding;	PJM Settlement, Inc.;
Load Reconciliation for Reliability First Corporation (RFC);	Reliability First Corporation (RFC);
Market Monitoring Unit (MMU) Funding;	RTO Start-up Cost Recovery;
	Virginia Retail Administrative Fee;

SPP Market Settlement Charge Types

DA Asset Energy Amount;	Transmission Congestion Rights Annual Closeout
DA Non-Asset Energy Amount;	Auction Revenue Rights Uplift
DA Make-Whole Payment Distribution;	Auction Revenue Rights Monthly Payback
DA Make-Whole Payment;;	Auction Revenue Rights Annual Payback
DA Virtual Energy;	DA Regulation Up
DA Virtual Energy Transaction Fee;	DA Regulation Down
DA Demand Reduction Amount;	DA Regulation Up Distribution
DA Demand Reduction Distribution Amount;	DA Regulation Down Distribution
DA GFA Carve-Out Daily Amount;	DA Spinning Reserve
DA GFA Carve-Out Monthly Amount;	DA Spinning Reserve Distribution
DA GFA Carve-Out Yearly Amount;	DA Supplemental Reserve
GFA Carve Out Distribution Daily Amount;	DA Supplemental Reserve Distribution
GFA Carve Out Distribution Monthly Amount;	RT Regulation Up
GFA Carve Out Distribution Yearly Amount;	RT Regulation Up Distribution
RT Asset Energy Amount	RT Regulation Down
RT Over Collected Losses Distribution;	RT Regulation Down Distribution
RT Miscellaneous Amount;	RT Regulation Out of Merit
RT Non-Asset Energy;	RT Spinning Reserve Amount
RT Revenue Neutrality Uplift;	RT Supplemental Reserve Amount
RT Joint Operating Agreement;	RT Spinning Reserve Cost Distribution Amount
RUC Make Whole Payment Distribution;	RT Supplemental Reserve Distribution Amount
RUC Make Whole Payment;	RT Regulation Non-Performance
RT Virtual Energy Amount;	RT Regulation Non-Performance Distribution
RT Demand Reduction Amount;	RT Regulation Deployment Adjustment;
RT Demand Reduction Distribution Amount;	RT Contingency Reserve Deployment Failure
Transmission Congestion Rights Daily Uplift;	RT Contingency Reserve Deployment Failure Distribution;
Transmission Congestion Rights Monthly Payback;	RT Reserve Sharing Group;
Transmission Congestion Rights Auction Transaction;	RT Reserve Sharing Group Distribution;
Transmission Congestion Rights Annual Payback;	RT Pseudo-Tie Congestion Amount;
Transmission Congestion Rights Funding;	RT Pseudo-Tie Losses Amount;
Auction Revenue Rights Annual Closeout;	RT Unused Regulation -Up Mileage Make Whole Payment;
Auction Revenue Rights Funding;	RT Unused Regulation -Down Mileage Make Whole Payment;

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

FAC CHARGE TYPE TABLE (Cont'd.)

SPP Transmission Service Charge Types

- Schedule 1 - Scheduling, System Control & Dispatch Service;
- Schedule 2 - Reactive Voltage;
- Schedule 7 - Zonal Firm Point-to-Point;
- Schedule 8 - Zonal Non-Firm Point-to-Point;
- Schedule 11 - Base Plan Zonal and Regional;

SPP charge types representing administrative charges specifically excluded from the

FAC

- Schedule 1A - Tariff Administrative Fee;
- Schedule 1A2 - Transmission Congestionk Rights Administratoin
- Schedule 1A3 - Integrated Marketplace Clearing Administration
- Schedule 1A4 - Integrated Marketplace Facilitation Administration
- Schedule 12 - FERC Assessment;

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To services provided on XXXXXX through XXXXXX)

Calculation of Current Fuel Adjustment Rate (FAR):

Accumulation Period Ending:

1.	Actual Net Energy Cost = (ANEC) (FC+PP+E+R -OSSR)		\$
2.	(B) = (BF x S _{AP})	-	\$
2.1	Base Factor (BF)		\$/kWh
2.2	Accumulation Period Sales (S _{AP})		kWh
3.	Total Company Fuel and Purchased Power Difference	=	\$
3.1	Customer Responsibility	x	95%
4.	Fuel and Purchased Power Amount to be Recovered	=	\$
4.1	Interest (I)	-	\$
4.2	True-Up Amount (TUP)	+	\$
4.3	Prudence Adjustment Amount (P)	±	\$
5.	Fuel and Purchased Power Adjustment (FPA)	=	\$
6.	Estimated Recovery Period Sales (S _{RP})	+	kWh
7.	Current Period Fuel Adjustment Rate (FAR _{RP})	=	\$0.00000/kWh
8.	Prior Period Fuel Adjustment Rate (FAR _{RP-1})	+	\$0.00000/kWh
9.	Preliminary Fuel Adjustment Rate (PFAR)	=	\$0.00000/kWh
10.	Rate Adjustment Cap (RAC)	=	\$0.00000/kWh
11.	Fuel Adjustment Rate (FAR, lesser of PFAR and RAC)	=	\$0.00000/kWh

Initial Rate Component for the Individual Service Classifications

12.	Secondary Voltage Adjustment Factor (VAF _{SEC})		1.0539
13.	Initial Rate Component for Secondary Customers	=	\$0.00000/kWh
14.	Primary Voltage Adjustment Factor (VAF _{PRI})		1.0222
15.	Initial Rate Component for Primary Customers	=	\$0.00000/kWh
16.	Primary LPS Weighting Factor (WF _{PRI})		.1587
17.	High Voltage Adjustment Factor (VAF _{HV})		1.0059
18.	Initial Rate Component for High Voltage Customers	=	\$0.00000/kWh
19.	High Voltage LPS Weighting Factor (WF _{HV})		.3967
20.	Transmission Adjustment Factor (VAF _{TRANS})		0.9928
21.	Initial Rate Component for Transmission Customers	=	\$0.00000/kWh
22.	Transmission Voltage LPS Weighting Factor (WF _{TRANS})		.4446
23.	Combined Initial Rate Component for RAC _{LPS} Comparison	=	\$0.00000/kWh

LPS Rate Adjustment Cap Components & Adder

24.	RAC _{LPS}	=	\$0.00000/kWh
25.	Weighted Avg FAR for Large Primary Service (FAR _{LPS} , lesser of 23 and 24)	=	\$0.00000/kWh
26.	Difference (Line 23 - Line 25) if applicable	=	\$0.00000/kWh
27.	Estimated Recovery Period Metered Sales for LPS (S _{LPS})	=	kWh
28.	FAR Shortfall Adder (Line 26 x Line 27)	=	\$
29.	Per kWh FAR Shortfall Adder (Line 28 / (S _{RP} - S _{LPS}))	=	\$0.00000/kWh

FAR Applicable to the Non-LPS Service Classifications

30.	FAR for Secondary(FAR _{SEC}) (Line 13 + (Line 29 x Line 12))	=	\$0.00000/kWh
31.	FAR for Primary(FAR _{PRI}) (Line 15 + (Line 29 x Line 14))	=	\$0.00000/kWh
32.	FAR for High Voltage(FAR _{HV}) (Line 18 + (Line 29 x Line 17))	=	\$0.00000/kWh
33.	FAR for Transmission(FAR _{TRANS}) (Line 21 + (Line 29 x Line 20))	=	\$0.00000/kWh

FAR Applicable to the LPS Service Classifications

34.	LPS RAC Cap Multiplier (Line 25 / Line 23))	=	1
35.	FAR for LPS Primary(LPSFAR _{PRI}) (Line 15 x Line 34)	=	\$0.00000/kWh
36.	FAR for LPS High Voltage(LPSFAR _{HV}) (Line 18 x Line 34)	=	\$0.00000/kWh
37.	FAR for LPS Transmission(LPSFAR _{TRANS}) (Line 21 x Line 34)	=	\$0.00000/kWh

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SHEET NO. 75

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3rd Revised

SHEET NO. 75

APPLYING TO MISSOURI SERVICE AREA

RIDER B

DISCOUNTS APPLICABLE FOR SERVICE TO SUBSTATIONS OWNED
BY CUSTOMER IN LIEU OF COMPANY OWNERSHIP

Where a customer served under rate schedules 4(M) or 11 (M) takes delivery of power and energy at a delivery voltage of 34kV or higher, Company will allow discounts from its applicable rate schedule as follows:

- *1. A monthly credit of \$1.28/kW of billing demand for customers taking service at 34.5 or 69kV.
- *2. A monthly credit of \$1.51/kW of billing demand for customers taking service at 115kV or higher.

*Indicates Change.

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MO.P.S.C. SCHEDULE NO. 63rd RevisedSHEET NO. 89CANCELLING MO.P.S.C. SCHEDULE NO. 62nd RevisedSHEET NO. 89APPLYING TO MISSOURI SERVICE AREARIDER CSPCOMMUNITY SOLAR PROGRAMPURPOSE

The purpose of the Community Solar Program ("Program") is to offer eligible Customers the opportunity to voluntarily subscribe to a community solar energy product associated with new solar generation resources ("Resource") to be developed for the Program.

PROGRAM DESCRIPTION

Under the Program, eligible Customers can elect to receive community solar energy service ("CS Service") which replaces a fixed percentage of kilowatt-hours (kWh) of electricity the customer would receive under their otherwise applicable service classification with kWh of solar energy.

AVAILABILITY

CS Service is only available to full service electric customers currently served by the Company under either Company Service Classification Residential Service 1(M) or Small General Service 2(M). Service hereunder is provided through one meter to one end-use customer and may not be redistributed or resold. Participants will be enrolled on a first-enrolled, first-served basis. Participants can enroll or cancel subject to the Program Provisions and Special Terms. Customers will be deemed ineligible for the Program if they have received a disconnection notice within twelve (12) months preceding their application.

DEFINITIONS

Community Solar Energy Rate - The sum of the Facilities Rate and Solar Generation Rate.

Facilities Rate - A \$/kWh rate applicable to a subscriber's Solar Energy Subscription for electrical facilities necessary to delivery solar energy.

Program Resource - A solar generation resource developed as a result of the Program.

Resource Term - The resource term shall be 25 years from the date the Program Resource is placed into service.

Solar Energy Subscription -The number of kWh of solar energy purchased by a CS Service subscriber in a specific billing month. The number of kWh is equal to the subscriber's Subscription Percentage multiplied by the customer's current billing month energy usage.

Solar Availability Bank - The total amount of kWh available for Solar Energy Subscription based on the expected average annual production over the life of Program Resources minus expected Solar Energy Subscriptions covered by existing subscriptions.

Solar Generation Rate - A \$/kWh rate applicable to a subscriber's Solar Energy Subscription for the production of solar energy.

Subscription Percentage (1-100%) - An eligible customer may subscribe to replace a percentage of each billing month's energy usage with Solar Energy in single percentage increments up to 100%.

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MO.P.S.C. SCHEDULE NO. 6 4th Revised SHEET NO. 89.1CANCELLING MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 89.1APPLYING TO MISSOURI SERVICE AREARIDER CSP
COMMUNITY SOLAR PROGRAM (Cont'd.)MONTHLY BILL

All terms and conditions of the customer's applicable service classification shall apply to this Program with the following exception:

The Solar Energy Subscription supplied under this Program, pursuant to the customer's Subscription Percentage, will replace an equal amount of kWh which the customer would be billed under the Energy Charge of their otherwise applicable service classification.

For customers on time-of-use rates, the Subscription Percentage will be applied equally to current billing month energy usage in each time-of-use period, such that the sum of solar energy across time-of-use periods is equal to the customer's Solar Energy Subscription.

The Solar Energy Subscription will be billed at the sum of the Facilities Rate and the Solar Generation Rate, the Community Solar Energy Rate. All other usage-based charges in the customer's service classification will be billed at the actual metered electricity usage.

TERM OF ENROLLMENT

Once a Program Resource has been placed in service under this Program, enrolled customers that receive CS Service may continue said service for the Resource Term unless they cancel service under the Program, and new customers will be allowed to receive service under the Program to the extent there exists a Solar Availability Bank.

If additional Program Resources are added to the Program, enrolled customers may continue to receive CS Service beyond the length of the Resource Term to the extent there exists a Solar Availability Bank beyond the Resource Term.

This tariff shall immediately become void, and the Company shall have no further obligations or liabilities hereunder, if any term or terms of this Program are determined to be discriminatory or otherwise unlawful by a court of competent jurisdiction.

PROGRAM PROVISIONS AND SPECIAL TERMS

1. All rights to the solar renewable energy certificates (SRECs) associated with the generation output of the Resource(s) will be owned by the Company and will be retired on behalf of participants within the Commission-approved tracking system. The Company reserves the right to purchase RECs outside the program for the purpose of balancing subscriptions and generation.
2. Enrollment; Participation Fee; Commitment:
 - a. The Company may construct new Resources if there are sufficient subscriptions to support the Resources and the Commission approves a Certificate or Certificates of Convenience and Necessity (CCN). Upon grant of a CCN, construction of a new Resource shall not begin until at least 50 percent of the Resource's solar energy is subscribed or able to be filled through the waitlist.

DATE OF ISSUE March 31, 2021 DATE EFFECTIVE April 30, 2021ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6 4th Revised SHEET NO. 89.2CANCELLING MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 89.2APPLYING TO MISSOURI SERVICE AREARIDER CSPCOMMUNITY SOLAR PROGRAM (Cont'd.)PROGRAM PROVISIONS AND SPECIAL TERMS (Cont'd.)

2. Enrollment; Participation Fee; Commitment: (Cont'd.)
- b. Customers enrolling in the Program will be assigned until such time as all of the solar energy for existing Resources is subscribed. If all solar energy is subscribed, a customer may still be placed on a waitlist. Upon enrollment, all customers shall pay a Program participation fee of \$25. Collected Program participation fees will be treated by the Company as a Contribution in Aid of Construction upon construction of the Resource.
- c. On and after the date the Company commits to construct a Resource, which commitment shall occur upon the Company posting its commitment on its website and sending an e-mail, if available, or by letter, announcing its commitment to the enrollees assigned to the solar energy of a Resource, said enrollees will be obligated to participate in the Program and pay the charges thereunder for a term of two years after the Resource's in-service date, unless the customer no longer takes service from the Company. Until said committal date, an enrollee may withdraw from the Program via the Company's website or by calling the Company's toll-free customer service line and shall receive a refund of the enrollee's Program participation fee. However, a customer that is a participant in the Program will be permitted to withdraw from the Program before the two-year commitment period has been completed only if a customer on the waitlist for which there is not a solar energy available can take the withdrawing participant's place, and the withdrawing participant will not be refunded any fees.
- d. Customers may enroll in the Program via the Company's website or by calling the Company's toll-free customer service line after the Company has committed to build a Resource, and throughout the Program's operation, during any period when there exists a Solar Availability Bank, without paying a Program participation fee. The Company will maintain a waiting list of customers interested in enrolling in the Program during periods when there is no Solar Availability Bank, and will notify customers on the waiting list via e-mail or letter when the Bank becomes available.
3. The Solar Generation Rate associated with Solar Energy Subscriptions will be capped for the Resource Term at the initially offered level, but may decrease if incremental capacity additions to or retirements from the Resources occur and result in a lower aggregate levelized cost of all Resources placed in service under this Program. The Total Facilities Rate will be subject to adjustment in each general rate case.
4. Where an additional Resource is added to the Program, the levelized cost of the new Resource will be averaged with the remaining levelized cost of existing Resource to determine the new levelized cost that determines the Solar Generation Charge and contributes to the total cost of a Solar Energy Subscription. This change would apply to all subscribers under the Program.
5. Payments for Solar Energy Subscriptions will be due no later than the due date shown on the bill and will be incorporated into the customer's standard billing cycle.

DATE OF ISSUE March 31, 2021 DATE EFFECTIVE April 30, 2021ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

APPLYING TO MISSOURI SERVICE AREA

RIDER CSP
COMMUNITY SOLAR PROGRAM (Cont'd.)

PROGRAM PROVISIONS AND SPECIAL TERMS (Cont'd.)

6. Any customer being served or having been served on this Program waives all rights to any billing adjustments arising from a claim that the customer's service would be at a lower cost had the customer not participated in the Program for any period of time.
7. If a customer moves to another location within the Company's Missouri service territory the customer's subscription will also transfer.
8. Subscription cancelations will result in available Solar Energy Subscription going back into the Solar Availability Bank.
9. After the expiration of any two-year commitment as provided for in paragraph 2.c, customers that subscribe will continue as Program participants until they cancel their subscription or the Program is terminated, whichever occurs first. For enrollments occurring 20 or more days before a customer's next billing cycle, enrollment fees or refunds of participation fees, if otherwise allowed hereunder, shall be charged or credited, as appropriate, via the customer's bill in that next billing cycle; otherwise, in the second billing cycle after enrollment or withdrawal.
10. Any customer who terminates Program participation must wait three (3) months after the first billing cycle without a subscription to re-enroll in the Program.
11. Customers with Net Metering agreements are ineligible for the Program.

GENERAL RULES AND REGULATIONS

In addition to the above specific rules and regulations, all of Company's General Rules and Regulations shall apply to service supplied under this Program.

SOLAR ENERGY RATES

Subject to the Program Provisions and Special Terms:

Residential Service 1(M)	
Solar Generation Rate	\$ 0.XXXX
Facilities Rate	\$ 0.066
Community Solar Energy Rate	\$ 0.XXXX

Small General Service 2(M)	
Solar Generation Rate	\$ 0.XXXX
Facilities Rate	\$ 0.053
Community Solar Energy Rate	\$ 0.XXXX

DATE OF ISSUE March 31, 2021 DATE EFFECTIVE April 30, 2021

ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 91.19

CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 91.19

APPLYING TO MISSOURI SERVICE AREA

RIDER EEIC
ENERGY EFFICIENCY INVESTMENT CHARGE (Cont'd.)
For MEEIA 2019-21 Plan

*** TD DETERMINATION (Cont'd.)**

NMR = Net Margin Revenue. NMR values for each applicable Service Classification and by End Use Category where applicable are as follows:

Month	Service Classifications	
	1(M)Res \$/kWh	2(M)SGS \$/kWh
January	0.053202	0.058891
February	0.053722	0.059214
March	0.054758	0.061043
April	0.057015	0.067735
May	0.058685	0.072861
June	0.118891	0.104691
July	0.118891	0.104691
August	0.118891	0.104691
September	0.118891	0.104691
October	0.058178	0.067183
November	0.058156	0.067021
December	0.054919	0.063153

Month	MISC./AIR COMP./ PROCESS/MOTORS			COOLING			EXT LIGHTING		
	3M	4M	11M	3M	4M	11M	3M	4M	11M
January	0.040318	0.040612	0.035637	0.040563	0.041316	0.023212	0.032266	0.029951	0.025483
February	0.040770	0.041043	0.036193	0.041467	0.041647	0.023212	0.032631	0.028947	0.025441
March	0.041434	0.041047	0.035778	0.042267	0.042146	0.023212	0.033001	0.029033	0.023532
April	0.042972	0.042579	0.036136	0.050639	0.051601	0.037621	0.034630	0.030146	0.025170
May	0.044906	0.044238	0.038767	0.056687	0.061190	0.060239	0.034679	0.029628	0.023553
June	0.081940	0.078943	0.062951	0.101417	0.104296	0.093223	0.055800	0.044887	0.025911
July	0.077263	0.076009	0.060820	0.092775	0.093966	0.071952	0.052601	0.044613	0.025274
August	0.079329	0.077001	0.061146	0.097179	0.098980	0.081162	0.053112	0.044749	0.025998
September	0.078174	0.075226	0.062301	0.101482	0.105081	0.097721	0.054354	0.044694	0.025949
October	0.043253	0.043128	0.040245	0.051810	0.054945	0.038852	0.033692	0.029464	0.023494
November	0.043594	0.043308	0.038733	0.051185	0.048259	0.023212	0.034078	0.029347	0.023245
December	0.041946	0.040651	0.037528	0.042700	0.043945	0.023212	0.033312	0.028883	0.023472

*Indicates Change.

DATE OF ISSUE March 31, 2021 DATE EFFECTIVE April 30, 2021

ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
 NAME OF OFFICER TITLE ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 91.20

CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 91.20

APPLYING TO MISSOURI SERVICE AREA

RIDER EEIC
ENERGY EFFICIENCY INVESTMENT CHARGE (Cont'd.)
For MEEIA 2019-21 Plan

*** TD DETERMINATION (Cont'd.)**

Month	HVAC/BUILDING SHELL			LIGHTING			REFRIG.		
	3M	4M	11M	3M	4M	11M	3M	4M	11M
January	0.043240	0.046994	0.042999	0.041911	0.042956	0.037877	0.039082	0.038736	0.033451
February	0.044325	0.046349	0.043171	0.042186	0.043131	0.037650	0.039443	0.039064	0.033953
March	0.045764	0.046608	0.039527	0.043020	0.043351	0.037224	0.040054	0.039868	0.035306
April	0.045662	0.045722	0.036790	0.045145	0.045879	0.039823	0.042050	0.041293	0.035589
May	0.050310	0.052300	0.048989	0.047128	0.047424	0.042026	0.043437	0.042134	0.036628
June	0.100468	0.103059	0.091826	0.086532	0.084917	0.069315	0.078624	0.074627	0.059307
July	0.092341	0.093432	0.071453	0.081563	0.080671	0.065148	0.074019	0.071734	0.054191
August	0.096591	0.098256	0.080434	0.083826	0.082538	0.065362	0.076087	0.073015	0.056071
September	0.097504	0.099984	0.091676	0.080312	0.077962	0.065549	0.075005	0.071166	0.057482
October	0.046893	0.048728	0.039076	0.045351	0.046130	0.044467	0.041864	0.041144	0.037861
November	0.047455	0.047563	0.048767	0.045280	0.045991	0.040704	0.042185	0.041312	0.035899
December	0.044682	0.046144	0.036119	0.043130	0.042456	0.038714	0.040648	0.038761	0.035500

Month	COOK.			DHW			HEAT.		
	3M	4M	11M	3M	4M	11M	3M	4M	11M
January	0.041331	0.041551	0.035147	0.040964	0.040491	0.033386	0.041169	0.044018	0.042999
February	0.041596	0.042231	0.035736	0.041071	0.041434	0.033911	0.042121	0.043286	0.043200
March	0.042293	0.043646	0.039258	0.041528	0.042945	0.038106	0.043739	0.043760	0.040072
April	0.045325	0.046038	0.040949	0.044801	0.045285	0.039837	0.044260	0.043665	0.041320
May	0.046878	0.047061	0.041668	0.046453	0.046440	0.041022	0.044324	0.043414	0.036850
June	0.087652	0.086374	0.071435	0.087562	0.086256	0.073881	0.055294	0.044228	0.025179
July	0.082466	0.081969	0.060742	0.082467	0.080753	0.057742	0.052126	0.043968	0.025179
August	0.085048	0.084043	0.065238	0.084974	0.083951	0.064351	0.052604	0.044123	0.025179
September	0.082846	0.081207	0.069400	0.081800	0.079866	0.067809	0.080526	0.078236	0.065874
October	0.045086	0.045747	0.043772	0.044690	0.045171	0.043733	0.043507	0.043422	0.042013
November	0.045067	0.046009	0.038781	0.044777	0.045412	0.037371	0.044502	0.042676	0.050037
December	0.043205	0.041996	0.040208	0.042966	0.041271	0.039611	0.042281	0.042111	0.036125

Month	OFFICE			VENT		
	3M	4M	11M	3M	4M	11M
January	0.040300	0.040825	0.036270	0.039016	0.039286	0.034231
February	0.040583	0.040767	0.036084	0.039406	0.038995	0.034025
March	0.041204	0.040812	0.035471	0.040019	0.039259	0.033591
April	0.042876	0.042470	0.036047	0.042188	0.041438	0.035468
May	0.044774	0.044054	0.038578	0.043761	0.042598	0.037087
June	0.080155	0.076621	0.060280	0.078187	0.074058	0.057691
July	0.075635	0.074074	0.059764	0.074233	0.072361	0.057504
August	0.077584	0.074855	0.059270	0.076132	0.073070	0.057561
September	0.075397	0.071668	0.058078	0.074441	0.070443	0.056624
October	0.043148	0.042982	0.040071	0.042190	0.041610	0.038352
November	0.043318	0.042854	0.038219	0.041912	0.040808	0.035232
December	0.041431	0.040128	0.035859	0.040801	0.039378	0.035170

*Indicates Change.

DATE OF ISSUE March 31, 2021 DATE EFFECTIVE April 30, 2021

ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
 NAME OF OFFICER TITLE ADDRESS

APPLYING TO MISSOURI SERVICE AREA

RIDER SSR

STANDBY SERVICE RIDER (Cont'd.)

*STANDBY RATE			
	Large General Service	Small Primary Service	Large Primary Service
Standby Fixed Charges			
Administrative Charge	\$187.00/month	\$187.00/month	\$187.00/month
Generation and Transmission Access Charge per month per kW of Contracted Standby Demand	\$0.69/kW	\$0.69/kW	\$0.87/kW
Facilities Charge per month per kW of Contracted Standby Demand:			
Summer	\$4.75/kW	\$3.92/kW	\$3.92/kW
Winter	\$1.25/kW	\$0.90/kW	\$0.90/kW
Daily Standby Demand Rate – Summer			
Per kW of Daily Standby Service Demand:			
Back-Up	\$0.04/kW	\$0.04/kW	\$1.12/kW
Maintenance	\$0.02/kW	\$0.02/kW	\$0.56/kW
Daily Standby Demand Rate - Winter			
Per kW of Daily Standby Service Demand:			
Back-Up	\$0.02/kW	\$0.02/kW	\$0.52/kW
Maintenance	\$0.01/kW	\$0.01/kW	\$0.26/kW
Back-Up Energy Charges – Summer			
kWh in excess of Supplemental Contract Capacity			
Energy ⁽¹⁾	10.85¢/kWh	10.53¢/kWh	3.67¢/kWh
On-Peak Energy ⁽²⁾	11.99¢/kWh	11.37¢/kWh	4.31¢/kWh
Off-Peak Energy ⁽²⁾	10.20¢/kWh	10.05¢/kWh	3.32¢/kWh
Back-Up Energy Charges – Winter			
kWh in excess of Supplemental Contract Capacity			
Energy ⁽¹⁾	6.82¢/kWh	6.63¢/kWh	3.36¢/kWh
On-Peak Energy ⁽²⁾	7.17¢/kWh	6.94¢/kWh	3.65¢/kWh
Off-Peak Energy ⁽²⁾	6.63¢/kWh	6.45¢/kWh	3.18¢/kWh
High Voltage Facilities Charge Discount			
Facilities Charge Credit per month per kW of Contracted Standby Demand			
@ 34.5 or 69kV	N/A	\$1.28/kW	\$1.28/kW
@ 115kV or higher	N/A	\$1.51/kW	\$1.51/kW

(1) Applicable to customers not on TOD rates.

(2) Applicable to customers on TOD rates for its non-back-up energy charges.

*Indicates Change.

DATE OF ISSUE March 31, 2021 DATE EFFECTIVE April 30, 2021

ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
 NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 105CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 105APPLYING TO MISSOURI SERVICE AREAGENERAL RULES AND REGULATIONSI. GENERAL PROVISIONS (Cont'd.)*I. OBJECTIONABLE CUSTOMER LOAD CHARACTERISTICS

All equipment installed by customer shall have operating characteristics which enable Company to maintain a satisfactory standard of service to both the customer being served and all other customers in the immediate area. In cases of high motor starting current, customer loads resulting in harmonic distortions or significant loads with wide and/or frequent fluctuations, etc. customer shall install, on its side of Company's meter, all corrective equipment necessary to enable Company to maintain the integrity of its electric distribution system. For all customers not voluntarily complying with this requirement, Company, where practical, may install corrective equipment on its side of the meter and charge customer a lump sum amount for the current cost of such equipment and the cost of any subsequent additions to or replacement of such equipment, whenever said future installations occur. Failure of customer to install such corrective equipment or to pay for that installed by Company currently, or in the future, shall be grounds for the disconnection of electric service. At the customer's request, the Company will install and provide ongoing monthly service monitoring. The charge for the ongoing monitoring is shown on Sheet No. 63, Miscellaneous Charges.

J. CONTINUITY OF SERVICE

Company will make all reasonable efforts to provide the service requested on an adequate and continuous basis, but will not be liable for service interruptions, deficiencies or imperfections which result from conditions which are beyond the reasonable control of the Company. The Company cannot guarantee the service as to continuity, freedom from voltage and frequency variations, reversal of phase rotation or single phasing. The Company will not be responsible or liable for damages to customer's apparatus resulting from failure or imperfection of service beyond the reasonable control of the Company. In cases where such failure or imperfection of service might damage customer's apparatus, customer should install suitable protective equipment.

K. REGULATORY AUTHORITIES

The tariff (i.e., rates, riders, rules and regulations) contained herein has been filed with and approved by the Missouri Public Service Commission and are subject to modification to conform with any revision filed by the Company and approved by the Commission. Where specific situations are not addressed by Company's rates, riders, or rules and regulations, the applicable Commission rules set forth in 4CSR, Sections 240-2 through 240-23 shall apply. Company may make written application to the Commission to seek the approval of a waiver of any specified portion of these filed tariffs for good cause shown.

* Indicates Change.

DATE OF ISSUE March 31, 2021 DATE EFFECTIVE April 30, 2021ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

Mo Electric
Weather Normalized-12 months ending Dec 2020
December 2020 Actuals - Growth through Sept 2021

	Total Revenue	Rev Neutral Adjustment	Rev Neutral Adj Revenue	RR Adjustment Amount	*Actual Base Revenues	Actual Increase	Actual Percent
Residential	\$1,273,043,176	\$0.00	\$1,272,172,654	\$152,339,338	\$1,424,590,115	\$151,546,939.44	11.90%
Small General Service	\$274,247,507	\$0.00	\$274,128,629	\$32,826,184	\$306,941,801	\$32,694,293.37	11.92%
Large General Service	\$507,149,139	\$0.00	\$507,049,241	\$60,717,816	\$567,788,047	\$60,638,907.76	11.96%
Small Primary Service	\$220,416,108	\$0.00	\$220,409,873	\$26,393,504	\$246,816,373	\$26,400,264.83	11.98%
Large Primary Service	\$188,575,861	\$0.00	\$188,510,711	\$22,573,663	\$211,084,406	\$22,508,545.53	11.94%
Lighting Company Owned	\$35,639,800	-\$60,000	\$35,579,800	\$4,260,588	\$39,844,649	\$4,204,849.29	11.80%
Lighting Customer Owned	\$2,848,591	\$60,000	\$2,908,591	\$348,296	\$3,256,954	\$408,363.73	14.34%
MSD	\$74,966	\$0.00	\$74,966	\$8,977	\$83,955	\$8,988.84	11.99%
Total Revenue	\$2,501,995,147	\$0	\$2,500,834,466	\$299,468,366	\$2,800,403,555	\$298,411,152.79	11.93%

*Actual Revenues adjusts for rounding in the final rates

**Combined Lighting Actual Percent is 11.99%

**Weather Normalized-12 months ending Dec 2020
December 2020 Actuals - Growth through Sept 2021**

Residential Class - Basic & TOD

	Billing Units	Rounded Proposed Rates	Target Revenue
<u>Customer Charge</u>			
Summer Bills	12,940,006	\$11.00	\$142,340,064
TOD Bills	1,080	\$11.00	\$11,880
Low Income Charge	12,941,086	\$0.06	\$776,465
Total Bills	12,941,086		\$0
<u>Energy Charge</u>			
Summer kWh	4,815,950,092	\$0.1310	\$630,889,462
On-peak	78,674	\$0.3384	\$26,623
Off-peak	453,117	\$0.0794	\$35,977
	0		
Winter kWh	0		
First 750 kWh	4,877,712,086	\$0.0893	\$435,579,689
Over 750 kWh	3,618,940,011	\$0.0596	\$215,688,825
Total kWh	13,327,868,918		
		Total	\$1,425,348,986

**Weather Normalized-12 months ending Dec 2020
December 2020 Actuals - Growth through Sept 2021**

Residential Class - DayNight (Default TOU)

	Billing Units	Rounded Proposed Rates	Target Revenue
<u>Customer Charge</u>			
Summer Bills	12,941,086	\$11.00	\$142,351,944
Low Income Charge	12,941,086	\$0.06	\$776,465
<u>Energy Charge</u>			
Summer kWh	4,815,950,092	\$0.1278	\$615,478,422
On-pk Adjustment	2,934,433,705	\$0.0050	\$14,672,169
Winter kWh			
First 750 kWh	4,877,712,086	\$0.0877	\$427,775,350
Over 750 kWh	3,618,940,011	\$0.0587	\$212,431,779
On-pk Adjustment	4,407,495,863	\$0.0025	\$11,018,740
Total kWh	13,312,602,189		
		Total	\$1,424,504,868

**Weather Normalized-12 months ending Dec 2020
December 2020 Actuals - Growth through Sept 2021**

Small General Service Class

	Billing Units	Rounded Proposed Rates	Target Revenue
<u>Customer Charge</u>			
One-phase	1,135,088	\$11.67	\$13,246,479
Three-phase	464,592	\$22.31	\$10,365,046
Limited Unmetered Service	83,062	\$6.18	\$513,324
TOD Bills			
One-phase	13,831	\$22.35	\$309,120
Three-phase	1,687	\$43.65	\$73,657
Low Income Charge	1,698,260	\$0.07	\$118,878
Total Bills	1,698,260		
Energy Charge			
Summer kWh	1,045,353,987	\$0.1168	\$122,097,346
On-peak	13,882,204	\$0.1736	\$2,409,951
Off-peak	24,478,506	\$0.0708	\$1,733,078
Winter kWh			
Base	1,462,887,658	\$0.0872	\$127,563,804
<u>Seasonal</u>	458,902,803	\$0.0503	\$23,082,811
On-peak	25,847,775	\$0.1143	\$2,954,401
Off-peak	47,129,672	\$0.0525	\$2,474,308
kWh Lighting Rate	2,350,747	\$0.0504	\$118,478
Total kWh	3,078,482,607		
		Total	\$307,060,679

**Weather Normalized-12 months ending Dec 2020
December 2020 Actuals - Growth through Sept 2021**

Large General Service

	Billing Units	Rounded Proposed Rates	Target Revenue
<u>Customer Charge</u>			
Standard	127,573	\$105.82	\$13,499,775
TOD Bills	501	\$126.91	\$63,582
Low Income Charge	128,074	\$0.78	\$99,898
<u>Demand Charge (kW)</u>			
<u>Summer</u>	7,727,878	\$6.04	\$46,676,381
Winter	14,679,337	\$2.24	\$32,881,716
<u>Energy Charge</u>			
Summer kWh			
<u>First 150HU</u>	1,016,971,346	\$0.1085	\$110,341,391
Next 200HU	1,089,830,895	\$0.0816	\$88,930,201
Over 350HU	472,781,230	\$0.0549	\$25,955,690
On-peak	5,617,128	\$0.0114	\$64,035
Off-peak	10,806,297	-\$0.0065	-\$70,241
Winter kWh			
Base Energy Charge			
First 150HU	1,654,392,691	\$0.0682	\$112,829,582
Next 200HU	1,770,375,754	\$0.0506	\$89,581,013
Over 350HU	770,481,446	\$0.0399	\$30,742,210
Seasonal Energy	408,429,624	\$0.0399	\$16,296,342
On-peak	8,833,444	\$0.0035	\$30,917
Off-peak	18,181,978	-\$0.0019	-\$34,546
Total kWh	7,183,262,987		
		Total	\$567,887,945

**Weather Normalized-12 months ending Dec 2020
December 2020 Actuals - Growth through Sept 2021**

Small Primary Service

	Billing Units	Rounded Proposed Rates	Target Revenue
<u>Customer Charge</u>			
Standard	7,780	\$362.60	\$2,821,028
TOD	213	\$383.68	\$81,724
Low Income Charge	7,993	\$0.78	\$6,235
<u>Demand Charge (kW)</u>			
Summer	2,785,023	\$5.21	\$14,509,971
Winter	5,131,169	\$1.89	\$9,697,909
<u>Energy Charge</u>			
Summer kWh			
First 150HU	412,137,993	\$0.1053	\$43,398,131
Next 200HU	499,538,596	\$0.0793	\$39,613,411
Over 350HU	392,202,496	\$0.0532	\$20,865,173
On-peak	12,988,331	\$0.0084	\$109,102
Off-peak	28,721,453	-\$0.0048	-\$137,863
Winter kWh			
First 150HU	670,717,761	\$0.0663	\$44,468,588
Next 200HU	813,483,819	\$0.0492	\$40,023,404
Over 350HU	631,304,723	\$0.0385	\$24,305,232
Seasonal Energy	198,851,110	\$0.0385	\$7,655,768
On-peak	22,628,860	\$0.0031	\$70,149
Off-peak	45,706,444	-\$0.0018	-\$82,272
Total kWh	3,618,236,498		
Reactive Charge	1,310,772	\$0.39	\$511,201
Rider B			
115 kV	6,431	-\$1.51	-\$9,711
69 kV	847,321	-\$1.28	-\$1,084,571
			\$246,822,607

**Weather Normalized-12 months ending Dec 2020
December 2020 Actuals - Growth through Sept 2021**

Large Primary Service

	Billing Units	Rounded Proposed Rates	Target Revenue
<u>Customer Charge</u>			
Bills	708	\$362.60	\$256,721
TOD	60	\$383.68	\$23,021
Low Income Charge	768	\$84.83	\$65,149
<u>Demand Charge (kW)</u>			
Summer	2,312,930	\$21.58	\$49,913,023
Winter	4,220,388	\$9.61	\$40,557,928
<u>Energy Charge</u>			
Summer kWh			
Energy	1,300,864,051	\$0.0367	\$47,741,711
On Peak	40,059,179	\$0.0064	\$256,379
Off-Peak	78,864,615	-\$0.0035	-\$276,026
Winter kWh			
Energy	2,253,964,021	\$0.0336	\$75,733,191
On Peak	73,461,474	\$0.0029	\$213,038
Off-Peak	146,168,049	-\$0.0018	-\$263,102
Total kWh	3,554,828,072		
Reactive Charge	340,282	\$0.39	\$132,710
<u>Rider B</u>			
115 kV	630,519	-\$1.51	-\$952,084
69 kV	1,759,456	-\$1.28	-\$2,252,103
		Total	\$211,149,555

**Weather Normalized-12 months ending Dec 2020
December 2020 Actuals - Growth through Sept 2021**

Company Owned Lighting 5M

Description	Count	Rounded Proposed	
		Rates	Target Revenue
Mounted LED - 100 W Equiv	70,597	\$10.99	\$9,312,213
Mounted LED - 250 W Equiv	10,450	\$17.74	\$2,223,951
Mounted LED - 400 W Equiv	1,664	\$32.60	\$650,793
Horizontal - enclosed on wood	5,551	\$13.62	\$907,266
Horizontal - enclosed on wood	5,733	\$18.84	\$1,296,221
Horizontal - enclosed on wood	1,347	\$34.01	\$549,464
Horizontal - enclosed on wood	3,880	\$13.07	\$608,643
Horizontal - enclosed on wood	1,888	\$17.90	\$405,503
Horizontal - enclosed on wood	50	\$30.21	\$18,220
LED directional flood	2,124	\$23.10	\$588,776
LED directional flood	2,555	\$37.04	\$1,135,527
LED directional flood	383	\$73.83	\$338,862
LED post-top - 17 foot post	6,509	\$24.41	\$1,906,562
Open bottom on existing wood	64	\$11.20	\$8,538
Open bottom on existing wood	16,312	\$11.97	\$2,342,074
Open bottom on existing wood	1,286	\$10.85	\$167,390
Open bottom on existing wood	6,833	\$11.42	\$936,201
Post top including 17 foot post	40,371	\$25.57	\$12,389,293
Post top including 17 foot post	89	\$24.08	\$25,785
Post top including 17 foot post	7,837	\$25.02	\$2,352,438
Directional	2,586	\$24.44	\$758,495
Directional	2,502	\$38.68	\$1,161,094
Directional	3,387	\$23.54	\$956,646
Directional	464	\$76.44	\$425,175
Directional	197	\$23.51	\$55,637
Directional	27	\$34.89	\$11,199
Prior to April 9, 1986			
11,000 Lmns, MV, Open Bottom	93	\$10.87	\$12,065
140,000 Lmns, H.P. Sodium, Dir	4	\$77.08	\$3,700
		Realized Municipal Discount	4.077%
		Total	\$39,844,649

**Weather Normalized-12 months ending Dec 2020
December 2020 Actuals - Growth through Sept 2021**

Customer Owned Lighting 6M

Description	Count	Rounded Proposed	Target Revenue
Metered service	1,533	\$7.97	\$146,648
Energy charge (per kWh)	44,931,763	\$0.0504	\$2,264,561
9500 HPS Enrg&Maint	9,529	\$4.20	\$480,249
25500 HPS Enrg&Maint	683	\$7.19	\$58,951
50000 HPS Enrg&Maint	69	\$10.32	\$8,545
5500 MH Enrg&Maint	169	\$6.13	\$12,432
12900 MH Enrg&Maint	53	\$7.26	\$4,617
3300 MV Enrg&Maint	5	\$4.20	\$252
6800 MV Enrg&Maint	1,658	\$5.40	\$107,406
11000 MV Enrg&Maint	26	\$7.29	\$2,274
20000 MV Enrg&Maint	38	\$9.59	\$4,373
54000 MV Enrg&Maint	4	\$20.35	\$977
9500 HPS Enrgy Only	116	\$1.96	\$2,728
25500 HPS Enrgy Only	26	\$5.01	\$1,563
50000 HPS Enrgy Only	1	\$7.87	\$94
3300 MV Enrgy Only	84	\$2.08	\$2,097
6800 MV Enrgy Only	118	\$3.37	\$4,782
11000 MV Energy Only	24	\$4.80	\$1,382
20000 MV Energy Only	88	\$7.41	\$7,825
54000 MV Energy Only	11	\$17.65	\$2,330
25W LED Energy Only	2	\$0.43	\$10
27W LED Energy Only	10	\$0.44	\$53
36W LED Energy Only	42	\$0.61	\$307
40W LED Energy Only	25	\$0.68	\$204
44W LED Energy Only	1	\$0.75	\$9
45W LED Energy Only	47	\$0.77	\$434
54W LED Energy Only	33	\$0.92	\$364
57W LED Energy Only	7	\$0.97	\$81
60W LED Energy Only	4	\$1.02	\$49
70W LED Energy Only	13	\$1.19	\$186
72W LED Energy Only	2	\$1.22	\$29
75W LED Energy Only	182	\$1.28	\$2,796
85W LED Energy Only	50	\$1.45	\$870
100W LED Energy Only	35	\$1.70	\$714
162W LED Energy Only	8	\$2.75	\$264
180W LED Energy Only	3	\$3.06	\$110
196W LED Energy Only	28	\$3.33	\$1,119
6M Ltd LED 100 W EQ	8,524	\$3.16	\$323,240
6M Ltd LED 250 W EQ	99	\$4.09	\$4,847
6M Ltd LED 400 W EQ	9	\$7.23	\$759

\$3,450,532

Realized Municipal Discount
Total

193577.8558735
\$3,256,954.24

**Weather Normalized-12 months ending Dec 2020
December 2020 Actuals - Growth through Sept 2021**

MSD Horsepower Service

Connected Horsepower	Proposed Rate	Amount of Bill at .1692 per Horsepower Per Month	Annual
36,900.0	0.1896	\$6,996	\$83,955