Exhibit No.:

Issue(s): Rate Design Witness: Michael W. Harding
Type of Exhibit: Direct Testimony
Sponsoring Party: Union Electric Company
File No.: ER-2022-0337

Date Testimony Prepared: August 1, 2022

MISSOURI PUBLIC SERVICE COMMISSION

FILE NO. ER-2022-0337

DIRECT TESTIMONY

OF

MICHAEL W. HARDING

 \mathbf{ON}

BEHALF OF

UNION ELECTRIC COMPANY

D/B/A AMEREN MISSOURI

St. Louis, Missouri August, 2022

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DIRECT TESTIMONY

OF

MICHAEL W. HARDING

FILE NO. ER-2022-0337

1		I. INTRODUCTION
2	Q.	Please state your name and business address.
3	A.	Michael W. Harding, Union Electric Company d/b/a Ameren Missouri
4	("Ameren M	issouri" or "Company"), One Ameren Plaza, 1901 Chouteau Avenue, St.
5	Louis, Misso	uri 63103.
6	Q.	What is your position with Ameren Missouri?
7	A.	I am employed by Ameren Missouri as the Manager of Rates & Analysis.
8	Q.	Please describe your educational background and employment
9	experience.	
10	A.	I received a Bachelor of Science in Business Finance from the University
11	of Kansas in 2	2007. At the end of 2007, I accepted a Real-Time Trading Position with Union
12	Electric Com	pany, and I was subsequently promoted to Term Trader in May 2008. At the
13	beginning of	2014, I was named General Executive of Renewable Energy within Ameren
14	Services Con	npany. I was promoted to my current position in April 2017, where I lead a
15	team respons	ible for the Company's class cost of service, rate design, tariff administration,
16	and various o	other regulatory projects. Prior to my employment at Ameren Missouri, I was
17	employed by	Westar Energy (now Evergy) in various roles within its trading and asset
18	management	department.

1		II.	PURPOSE OF TESTIMONY
2	Q.	What is the purp	pose of your direct testimony?
3	A.	The purpose of r	my direct testimony is to:
4		(a) Discuss t	the allocation of revenues to all customer classes and the
5		design of	the rates necessary to achieve the Company's jurisdictional
6		revenue 1	requirement; and,
7		(b) Outline t	he revisions to various other tariff sheets filed as a part of
8		this case.	
9	Q.	Are you sponso	ring any schedules for presentation to the Commission
10	in this procee	eding?	
11	A.	Yes. I am sponso	oring three schedules. These are listed and summarized
12	below:		
13	• <u>Sc</u>	chedule MWH-D1	
14	Co	onsists of the tariff	f sheets that reflect the revised rates being proposed by the
15	Co	ompany in this ca	se. Such tariffs reflect an increase in the Company's net
16	juı	risdictional test y	ear revenues of approximately \$315,629,273 or 11.61%
17	ab	ove current tariffs	
18	• <u>Sc</u>	chedule MWH-D2	
19	Sh	nows the distribut	ion of the proposed net revenue requirement increase to
20	Co	ompany's various o	customer classes.

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• Schedule MWH-D3

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

III. CLASS REVENUE ALLOCATION PROPOSAL

Q. What are the base revenue requirements for each customer class if rates are set based solely on the equal rate of return class cost of service study performed by Company witness Thomas Hickman?

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

Table 1 – Cost-Based Revenue Requirements by Customer Class

Customer Class	Base Revenue Requirement (\$Million)	Return on Rate Base
Residential Service	\$1,628.3	7.186%
Small General Service	\$346.0	7.186%
Large General & Small Primary Service	\$814.9	7.186%
Large Primary Service	\$198.0	7.186%
Company-Owned Lighting	\$41.3	7.186%
Customer-Owned Lighting	\$4.4	7.186%
Total	\$3,033.2	7.186%

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1 Q. Why are equal rates of return for all customer classes an appropriate 2 starting point when designing electric utility rates? 3 There are several reasons why reflecting equal rates of return for all A. 4 customer classes is an appropriate starting point in the consideration of rate design. First 5 and foremost is the consideration of equity and fairness to all electric customers. Purely 6 from a cost perspective, and ignoring all other factors, apportioning a cost greater than the 7 equal return on rate base revenue requirement to a given customer class results in 8 subsidization between the classes. 9 A second important consideration is the goal of encouraging cost-effective 10 utilization of electricity by customers. To make appropriate decisions regarding the most 11 efficient and effective use of electricity, including decisions regarding the acquisition of 12 equipment that uses electricity, customers require correct and appropriate price signals 13 from the Company's electric rates. Equal rates of return for all customer classes promote such price signals. 14 15 A third consideration in support of equal class rates of return is that of competition. 16 Cost-based electric rates permit the Company to compete effectively with alternative fuels, 17 co-generation, and other electric providers for new commercial and industrial customers. 18 Q. If adhering strictly to the class cost of service, what would the required 19 change from current rates look like? 20 A. In order to achieve a return on rate base of 7.186%, the Company must

overcome a significant shortfall in current revenues. This means it must increase rates

across nearly all of its classes. In Table 2 below, I compare current test year class base

- 1 revenues to the Class Cost of Service Study ("CCOSS") equal rate of return analysis shown
- 2 in the previous table and detailed in Company witness Hickman's testimony. This shows
- 3 the percentage change that would be required in each class to achieve the Company's equal
- 4 rate of return.

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	\$1,628.3	\$1,373.0	18.6%
Small General Service	\$346.0	\$305.2	13.4%
Large General & Small Primary Service	\$814.9	\$791.4	3.0%
Large Primary Service	\$198.0	\$205.8	-3.8%
Company-Owned Lighting	\$41.3	\$39.0	6.0%
Customer-Owned Lighting	\$4.4	\$2.9	52.4%
Total	\$3,033.2	\$2,717.5	11.6%

- Q. Is the Company proposing that only these cost-based class revenue
- 7 requirements be utilized in developing class rates in the case?
- 8 A. No, rather the Company is proposing a modest departure from establishing 9 class revenue requirements solely on the basis of equal class rates of return as shown in its
- 10 CCOSS.

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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 Company witnessHickman's testimony.

1	Q. What is the Company's proposal for allocating the revenue increas
2	requested in this case?
3	A. The Company proposes the use of a two-step process similar to that used t
4	set rates in its last electric rate case: ²
5	Step 1: Increase/decrease the current base retail revenue on a revenue-neutral basi
6	to various classes of customers. The Company has made a small revenue neutra
7	adjustment in this step within the Lighting class, discussed later within this
8	testimony, and detailed within Schedule MWH-D2.
9	Step 2: Determine the amount of revenue increase/decrease and allocate t
10	customer classes as an equal percent of current base revenues after making th
11	adjustment in Step 1.
12	Q. Please summarize the Company's proposed rate increase.
13	A. The table below summarizes the proposed class revenue requirement
14	necessary, based on test year figures, to provide the Company an opportunity to achieve it
15	jurisdictional rate of return.

² File No. ER-2021-0240.

Table 3 – Proposed Rate Increase by Customer Class

Customer Class	Normalized Retail Revenues	Proposed Revenue Requirement	Required Revenue Adjustment	Percentage Increase
Residential Service	\$1,373,009,870	\$1,532,828,141	\$159,818,271	11.64%
Small General Service	\$305,241,746	\$340,780,784	\$35,539,038	11.64%
Large General Service	\$556,603,250	\$621,048,655	\$64,445,406	11.58%
Small Primary Service	\$234,883,908	\$261,957,847	\$27,073,939	11.53%
Large Primary Service	\$205,820,662	\$229,674,179	\$23,853,517	11.59%
Company-Owned Lighting	\$39,010,796	\$43,492,351	\$4,481,555	11.49%**
Customer-Owned Lighting	\$2,933,113	\$3,341,139	\$408,026	13.91%**
Metropolitan Sewer District	\$81,564	\$91,084	\$9,520	11.67%
Total*	\$2,717,584,907	\$3,033,214,179	\$315,629,272	11.61%

^{*} Targeted increase from Company witness Lansford is \$315,629,273; however rate rounding resulted in a difference of -\$1.

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

A. While the results of a CCOSS provide an important starting point in developing class revenue targets and rate design, other factors – such as revenue stability, rate stability, effectiveness in yielding total revenue requirements, public acceptance, and value of service – must also be considered when determining class revenue requirements and designing rates. These additional considerations drove the specific revenue neutral shifts included in the Company's two-step process proposal.

The Company's lighting rate proposals, in particular, deserve additional attention.

The 5(M) Company-owned lighting class rate is already above its equal return on rate base cost of service, and will require gradual decreases over time to better align its rates with

^{**} Combined Lighting Percentage Increase is 11.66%

the cost to serve it. Conversely, the 6(M) Customer-owned lighting class rate is substantially below its class cost of service and will require continuing increases over time to help it contribute fairly to the cost to serve it. In other words, even though a larger rate shift would be required between these lighting classes to bring them fully in line with an equal return class cost of service, a shift of this size would significantly impact the smaller 6M class. To minimize rate shock to the 6M class, the Company recommends a smaller shift to gradually bring these rates in line over time. This small shift in the lighting class is consistent with what was proposed by the Company and approved by the Commission in the previous rate review³ in an ongoing plan to gradually bring these classes in line with their CCOSS results over time.

A detailed breakdown of the Lighting cost allocations between the Company-owned and Customer-owned lighting classes is provided in Company witness Hickman's direct testimony, and a summary of the revenue-neutral lighting shift and overall revenue requirement adjustment is provided in Schedule MWH-D2, attached to my testimony. The Company plans to continue to propose revenue neutral shifts required to move these classes toward their cost of service in future cases until this discrepancy is narrowed to a reasonable difference.

IV. RATE DESIGN

- Q. Please explain your use of the term "rate design."
- A. Generically speaking, my use of the term "rate design" refers both to the process of establishing the specific charges (e.g. monthly customer charges, dollars per

³ *Id*.

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- 1 kilowatt of demand and/or cents per kilowatt-hour energy charges) for each customer class, 2 as well as to the actual structure of an individual class rate. The rate design, or structure, of 3 a given class rate may range in complexity from a simple structure consisting of a monthly 4 customer charge and a flat charge per kilowatt-hour (such as the Company's Residential 5 Anytime User summer rate), to a more complex set of customer, demand, tiered or time-6 differentiated energy, and reactive charges (such as the Company's Small Primary Service 7 ("SPS") and Large Primary Service ("LPS") rate classes). In all instances, however, the 8 charges within a specific rate classification are established such that the application of these 9 individual charges to the total annual normalized customer class electrical usage and other 10 applicable billing units for the test year will result in the collection of the targeted annual
- Q. Is the Company proposing any addition or elimination of customer classes?
 - A. Yes. The Company proposes to eliminate the 12(M) customer class rate schedule.
- 16 Q. Please explain the elimination of the 12(M) rate schedule.

revenue requirement of each of the Company's retail rate classes.

A. The 12(M) tariffs and rates were created to serve a specific customer that is no longer taking service from the Company and does not anticipate taking service from the Company in the future. In fact, File No. ED-2019-0309 concerns the cancellation of the Certificate of Convenience and Necessity ("CCN") that was originally issued by the Commission in 2005 for Noranda Aluminum ("Noranda"). In late 2004, Ameren Missouri entered into an agreement with Noranda under which Ameren Missouri would provide

1	regulated retail electric service for a term of 15 years, subject to obtaining the required					
2	CCN to expand Ameren Missouri's service territory to encompass the property that is now					
3	owned by an	owned by another entity. Concurrently with the CCN, the Company filed for approval of a				
4	new rate sch	edule, the Large Transmission Service ("LTS" or 12(M)) rate, the design of				
5	which was	specifically created based on the cost to serve Noranda and its business				
6	operations.	The tariff was not designed in anticipation of the cost to serve any other				
7	customer; the	ere is a substantial interdependency between Noranda and the 12(M) rate and				
8	tariffs develo	oped to serve its specific needs. Without that customer, there is no longer a				
9	need for the	need for the customer class and tariff.				
10	Q.	Is the Company proposing any changes to its rate structures?				
11	A.	No.				
1112	A. Q.	No. Please describe the Company's rate design proposals in this case as they				
	Q.					
12	Q.	Please describe the Company's rate design proposals in this case as they				
12 13	Q. apply to exist A.	Please describe the Company's rate design proposals in this case as they sting rates and schedules.				
12 13 14	Q. apply to exist A. customer class	Please describe the Company's rate design proposals in this case as they sting rates and schedules. Generally, the Company proposes to increase each of the charges for each				
12 13 14 15	Q. apply to exist A. customer clatthat customer	Please describe the Company's rate design proposals in this case as they sting rates and schedules. Generally, the Company proposes to increase each of the charges for each ss by the same percentage. Implementing a rate increase in this fashion ensures				
12 13 14 15 16	Q. apply to exist A. customer clatthat customer There are, ho	Please describe the Company's rate design proposals in this case as they sting rates and schedules. Generally, the Company proposes to increase each of the charges for each ss by the same percentage. Implementing a rate increase in this fashion ensures rs within each respective class experience the same percentage rate increase.				
12 13 14 15 16 17	Q. apply to exist A. customer clatthat customer There are, ho	Please describe the Company's rate design proposals in this case as they sting rates and schedules. Generally, the Company proposes to increase each of the charges for each as by the same percentage. Implementing a rate increase in this fashion ensures rs within each respective class experience the same percentage rate increase. Sowever, two exceptions to this proposed methodology:				
12 13 14 15 16 17	Q. apply to exist A. customer clatthat customer There are, hor The formula class open and the class open are class open.	Please describe the Company's rate design proposals in this case as they sting rates and schedules. Generally, the Company proposes to increase each of the charges for each ss by the same percentage. Implementing a rate increase in this fashion ensures rs within each respective class experience the same percentage rate increase. Sowever, two exceptions to this proposed methodology: Tirst exception are the changes to the Customer Charges across the Residential				

1	The second exception applies to certain non-residential charges that require the
2	same changes across comparable rate classes to maintain consistency. Specifically, the
3	three charges below need to remain consistent for SPS and LPS customers because these
4	costs are effectively the same regardless of the customer class:
5	1) The monthly customer charge;
6	2) The Rider B credits (customer-owned substation discounts); and
7	The Reactive charge.
8	V. MISCELLANEOUS TARIFF UPDATES
9	Q. Aside from the rate tariff revisions that you have already described
10	above or that have been discussed by Company witness Wills (Residential rates), what
11	other updates to the Company's tariffs are you recommending?
12	A. Below is a summary of the Miscellaneous Tariff updates included with this
13	filing:
14	1) An update to Misc. Charges, Sheet No. 63, adding a tampering/diversion
15	charge;
16	2) Updates to General Rules and Regulations;
17	3) 6(M) E&M Lighting updates, Sheet No. 59;
18	4) Removal of Unmetered Customer Charge from 2(M) Optional TOU rate
19	Sheet No. 55;
20	5) Eliminate outdated Solar Rebate program (Rider SR), Sheet Nos 88.9-
21	88.13.

1	Q.	Please describe the addition of the Tampering/Diversion Charge on
2	tariff Sheet	No. 63, Miscellaneous Charges.
3	A.	This updates the tariff and makes explicit the Tampering/Diversion Charge
4	being applied	d where tampering and/or diversion of electric service are found to occur. The
5	charge amou	nt is also consistent with the charge in the Company's gas tariffs. The charge
6	has not incre	ased, and is being added for transparency.
7	Q.	Please describe the updates to the General Rules and Regulations
8	Section V. B	Billing Practices.
9	A.	The Company proposes various updates summarized as follows:
10		Sheet No. 110: Eliminates outdated language in Section J., Non-Standard
11		Service.
12		Sheet No. 115: Correction to Section reference, Overhead Extensions To
13		Residential Subdivisions in Section 1.a.
14		Sheet No. 123: Correction to Special Facilities reference in Section 2.
15		Sheet No. 134: Updated language to Section 5 prohibiting eligibility for
16		optional rates under 2(M) when a large customer requests a temporary
17		transfer to the 2(M) rate class due to abnormal operations.
18		Sheet No. 137: Correction to Rent Inclusion section number reference.
19		Sheet No. 138: Correction to Missouri Code of State Regulations reference
20		in Partial Payments Section.
21		Sheet No. 138: Prospective removal of the Paperless Billing credit.

Q. Please describe the prospective removal of the Paperless Billing credit on tariff Sheet No. 138.

A. The Company is proposing to cease enrollment of the Paperless Billing credit at the conclusion of this proceeding and will pursue alternative strategies for encouraging customers to consider paperless billing. To date, the Paperless Billing credit has not been as effective as originally hoped at incenting customers to switch from paper bills to paperless billing. The Company will continue to provide the credit to customers who have already enrolled in Paperless Billing and have not received the full 12 months of credit. The charge and associated language would be removed from tariffs in a future filing once all customers have received the full credit.

Q. Please describe the updates to the 6(M) Energy and Maintenance Rates on Sheet No. 59.

A. Consistent with past tariff updates to the 6M Lighting class, the Company is updating the language describing the phase out of the Energy and Maintenance option under the 6(M) rate class. The current tariff language states that the company "anticipates eliminating 6(M) Energy & Maintenance service in the future, but not prior to 6/1/2022. Customers remaining on Energy & Maintenace at that time will be transitioned to Energy Only service." The updated language specifies the E&M rates will continue through June 30, 2024. At that time "fixtures will then be transitioned to Energy Only effective at the beginning of the next billing period after this date except those fixtures which are eligible for the Limited LED Conversion Option And Grandfathering Provision will continue on the E&M Rate until they are converted to LED by the Company."

1	Q.	Please describe the removal of the Unmetered Customer Charge from
2	the 2(M) Op	tional TOU rate on Sheet No. 55.
3	A.	The 2(M) Optional TOU rate is limited to customers that have an AMI meter
4	per the tariff.	This Unmetered Customer Charge option was erroneously added to the rate
5	schedule duri	ng the last rate case and the charge is not possible for this rate plan. There are
6	no unmetered	customers on this 2(M) Optional TOU rate that requires an AMI meter.
7	Q.	Please describe the elimination of the Solar Rebate program (Rider SR)
8	on Sheet Nos	8. 88.9 – 88.13.
9	A.	This update eliminates the older solar rebate language that has expired and
10	no longer has	s any practical applicability. The current Rider SR Solar Rebate 2019-2023
11	language is st	till in effect on tariff Sheet Nos. 88 through 88.8.
12	Q.	Does this conclude your direct testimony?
13	A.	Yes, it does.

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6	-		5th	Revised	SHEET NO.	53
CANCELLING MO.P.S.C. SCHEDULE NO.	6	-		4th	Revised	SHEET NO.	53
APPLYING TO MIS	SSOURI	SERVICE	AREA				

TABLE OF CONTENTS RATES

ACTIVE RATE SCHEDULES	SERVICE CLASSIFICATION	SHEET NO.
RESIDENTIAL - ANYTIME SERVICE	1 (M)	54
RESIDENTIAL - EVENING/MORNING SAVER SERVICE	1 (M)	54.4
RESIDENTIAL - SMART SAVER SERVICE	1 (M)	54.7
RESIDENTIAL - OVERNIGHT SAVER SERVICE	1 (M)	54.10
RESIDENTIAL - ULTIMATE SAVER SERVICE	1 (M)	54.13
SMALL GENERAL SERVICE	2 (M)	55
LARGE GENERAL SERVICE	3 (M)	56
SMALL PRIMARY SERVICE	4 (M)	57
STREET & OUTDOOR AREA LIGHTING - COMPANY-OWNED	5 (M)	58
STREET & OUTDOOR AREA LIGHTING - CUSTOMER-OWNED	6 (M)	59
LARGE PRIMARY SERVICE	11 (M)	61

MISCELLANEOUS CHARGES

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^{*}Indicates Change.

DATE OF ISSUE	August 1,	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6	_		6th	Revised	SHEET NO.	54
CANCELLING MO.P.S.C. SCHEDULE NO.	6	_		5th	Revised	SHEET NO.	54
APPLYING TO MIS	SOURI	SERVICE 2	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:

<pre>Summer Rate (June through September)(1)</pre>	
Customer Charge - per month	\$13.00
Low-Income Pilot Program Charge - per month	\$0.14
Energy Charge - per kWh	14.09¢
Winter Rate (October through May) (1)	
Customer Charge - per month	\$13.00
Low-Income Pilot Program Charge - per mo6nth	\$0.14
Energy Charge - per kWh First 750 kWh Over 750 kWh	9.57¢ 6.42¢

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

DATE OF ISSU	JE August 1, 202	2 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6			4th	Revised	SHEET NO.	54.3
CANCELLING MO.P.S.C. SCHEDULE NO.	6			3rd	Revised	SHEET NO.	54.3
APPLYING TO MIS	SOURI	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	\$0.14
Energy Charge - per kWh (1)(2)	
Summer (June-September billing periods)	
All On Peak kWh	38.02¢
All Off Peak kWh	8.93¢
Winter (October-May billing periods)	
First 750 kWh	9.57¢
Over 750 kWh	6.42¢

- (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 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.

DATE OF ISSUE	August 1,	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	
	NAME OF OFFICER	TITLE	ADDRESS

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6			4th	Revised	SHEET NO.	54.4
CANCELLING MO.P.S.C. SCHEDULE NO.	6			3rd	Revised	SHEET NO.	54.4
APPLYING TO MIS	SOURI	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 Char	rge - per month	\$13.00
Low-Income Pi	lot Program Charge - per month	\$0.14
Energy Charge	e - per kWh (1)	
Summer	(June-September)	
	All kWh	13.70¢
	Energy Adjustment per On Peak kWh	+0.50¢
Winter	(October-May)	
	First 750 kWh	9.41¢
	Over 750 kWh	6.27¢
	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.

DATE OF ISSUE	August 1,	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

ELECTRIC SERVICE

APPLYING TO	MISSO	URI	SERVICE	AREA				
CA	ANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	54.7
	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	54.7

*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, energy charges will be billed under the Residential Smart Saver for the Summer period. The energy charges for 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 Char	rge - per month				
Summer	(June-September;	Option	Α	&	B)

Summer (June-September; Option A & B)	\$11.00
Winter (October-May; Option A & B)	\$11.00
Low-Income Pilot Program Charge - per month	\$0.14
Energy Charge - per kWh(1)	
Summer(June-September; Option A & B)	
On Peak kWh	37.20¢
Intermediate kWh	11.17¢
Off Peak kWh	7.06¢
Winter(October-May; Option A)	
On Peak kWh	19.91¢

Off Peak kWh 5.83¢
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 energy rates apply

*TIME PERIODS

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

Intermediate kWh

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	Mark C. Birk NAME OF OFFICER	Chairman & President TITLE	St. Louis, Missouri ADDRESS
			001155111511151

¢11 00

7.15¢

ELECTRIC SERVICE

APPLYING TO	MI	SSOURI	SERVICE	AREA				
•	CANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	54.10
	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	54.10

*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, energy charges will be billed to the Customer under Residential Overnight Saver Service for the Summer billing period. The energy charges for the Winter season will be billed under Residential Anytime Service.

*RATES

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

Customer Charge - per month	\$13.00
Non-AMI Meter Charge - per month	\$1.50
Low-Income Pilot Program Charge - per month	\$0.14
Energy Charge - per kWh(1)	
Summer(June-September; option A & B)	
On Peak kWh	16.51¢
Off Peak kWh	6.58¢
Winter(October-May; option A)	
On Peak kWh	9.29¢
Off Peak kWh	6.00¢
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 energy 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	Mark C. Birk	Chairman & President	St. Louis, Missouri ADDRESS
		···==	OOLIEDIU E MAALL DA

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6		2nc	l Revised	SHEET NO.	54.13
CANCELLING MO.P.S.C. SCHEDULE NO.	6		1st	Revised	SHEET NO.	54.13
APPLYING TO MI	SSOURI	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					
Low-Income Pilot Program Charge - per month					
Demand Charge - per monthly kW of billing demand (1)					
Summer (June-September) (1)	\$8.69				
Winter (October-May)(1)	\$3.59				
Energy Charge - per kWh (1)					
Summer (June-September)					
On Peak kWh	31.95¢				
Off Peak kWh	5.41¢				
Winter (October-May)					
On Peak kWh	17.37¢				
Off Peak kWh	4.77¢				

(1) 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.

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	NAME OF OFFICER	TITLE	ADDRESS

ELECTRIC SERVICE

APPLYING TO	MIS	SOURI	SERVICE	AREA				
C	ANCELLING MO.P.S.C. SCHEDULE NO.	6			5th	Revised	SHEET NO.	55
	MO.P.S.C. SCHEDULE NO.	6			6th	Revised	SHEET NO.	55

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	\$12.65
Three Phase Service	\$24.21
Limited Unmetered Service	\$6.71
Low-Income Pilot Program Charge - per month	\$ 0.18
Energy Charge - per kWh	12.67¢
Winter Rate (October through May)(1)	
Customer Charge - per month	
Single Phase Service	\$12.65
Three Phase Service	\$24.21
Limited Unmetered Service	\$6.71
Low-Income Pilot Program Charge - per month	\$ 0.18
Energy Charge - per kWh	
Base Use	9.47¢
Seasonal Use(2)	5.45¢
Optional Overnight Saver Rate (3)	
Customer Charge - per month	¢10.65
Single Phase Service Three Phase Service	\$12.65 \$24.21
Low-Income Pilot Program Charge - per month	\$0.18
Energy Charge - per kWh (4)	40.10
Summer(June-September)(1)	
On Peak kWh	14.01¢
Off Peak kWh	8.37¢
Winter(October-May)(1)	
On Peak kWh	9.34¢
Off Peak kWh	5.96¢
Legacy Optional Time-of-Day Rate	
Customer Charge - per month	
Single Phase Service Three Phase Service	\$24.25 \$47.36
Limited Unmetered Service	\$6.71
Low-Income Pilot Program Charge - per month	\$ 0.18
Energy Charge - per kWh (5)	,
Summer (June-September) (1)	
All On Peak kWh	18.83¢
All Off Peak kWh	7.68¢
Winter (October-May)(1)	
All On Peak kWh	12.40¢
All Off Peak kWh	5.66¢

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	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6			5th	Revised	SHEET NO.	55.1
CANCELLING MO.P.S.C. SCHEDULE NO.	6			4th	Revised	SHEET NO.	55.1
APPLYING TO MIS	SOURI	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.
- \star (3)Limited to customers that have an AMI meter and are not under a net metering agreement.
- (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.

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.

<u>Payments</u> 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.

<u>Tax Adjustment</u> 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.

*Indicates Change.

DATE OF ISSUE

August 1, 2022

DATE EFFECTIVE

September 3, 2022

ISSUED BY

Mark C. Birk

Chairman & President

NAME OF OFFICER

TITLE

ADDRESS

SCHEDULE MWH-D1

ELECTRIC SERVICE

APPLYING TO	MIS	SOURI	SERVICE	AREA				
	CANCELLING MO.P.S.C. SCHEDULE NO.	6			5th	Revised	SHEET NO.	56
	MO.P.S.C. SCHEDULE NO.	6			6th	Revised	SHEET NO.	56

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		\$114.69
Low-Income Pilot Program Charge - per month		\$ 2.06
Energy Charge - per kWh First 150 kWh per kW of Billing Demand Next 200 kWh per kW of Billing Demand All Over 350 kWh per kW of Billing Demand		11.76¢ 8.85¢ 5.95¢
Demand Charge - per kW of Total Billing Demand		\$ 6.55
Winter Rate (October through May) (1)		
Customer Charge - per month		\$114.69
Low-Income Pilot Program Charge - per month		\$ 2.06
Base Energy Charge - per kWh First 150 kWh per kW of Base Demand Next 200 kWh per kW of Base Demand All Over 350 kWh per kW of Base Demand		7.39¢ 5.49¢ 4.32¢
Seasonal Energy Charge - Seasonal kWh		4.32¢
Demand Charge - per kW of Total Billing Demand		\$ 2.43
Optional Time-of-Day Adjustments		
Additional Customer Charge - per month		\$21.08
Energy Adjustment - per kWh Summer kWh(June-September)(1)	On-Peak <u>Hours(2)</u> +1.14¢	Off-Peak Hours(2) -0.65¢
Winter kWh(October-May)(1)	+0.35¢	-0.19¢
(1) Refer to General Rules and Regulations, V. Bi	lling Practi	ces, Section A

- (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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ELECTRIC SERVICE

APPLYING TO	MIS	SOURI	SERVICE	AREA				
	CANCELLING MO.P.S.C. SCHEDULE NO.	6			5th	Revised	SHEET NO.	57
	MO.P.S.C. SCHEDULE NO.	6			6th	Revised	SHEET NO.	57

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		\$392.92
Low-Income Pilot Program Charge - per month		\$ 2.06
Energy Charge - per kWh First 150 kWh per kW of Billing Demand Next 200 kWh per kW of Billing Demand All Over 350 kWh per kW of Billing Demand		11.41¢ 8.58¢ 5.77¢
Demand Charge - per kW of Total Billing Demand		\$ 5.65
Reactive Charge - per kVar		42.00¢
Winter Rate (October through May) (1)		
Customer Charge - per month		\$392.92
Low-Income Pilot Program Charge - per month		\$ 2.06
Base Energy Charge - per kWh First 150 kWh per kW of Base Demand Next 200 kWh per kW of Base Demand All Over 350 kWh per kW of Base Demand		7.18¢ 5.34¢ 4.17¢
Seasonal Energy Charge - Seasonal kWh		4.17¢
Demand Charge - per kW of Total Billing Demand		\$ 2.05
Reactive Charge - per kVar		42.00¢
Optional Time-of-Day Adjustments		
Additional Customer Charge - per Month	\$21.08 per	month
Energy Adjustment - per kWh	On-Peak Hours(2)	Off-Peak Hours(2)
Summer kWh(June-September)(1)	+0.84¢	
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.

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UNION E	LECTRIC COMPANY	ELECTRIC SER	/ICE			
	MO.P.S.C. SCHEDUI	LE NO. 6	7th Re	evised	SHEET NO.	58
	CANCELLING MO.P.S.C. SCHEDUI	_E NO6	6th Re	evised	SHEET NO.	58
APPLYING T	0	MISSOURI SERVIC	E AREA			
		SERVICE CLASSIFICA ND OUTDOOR AREA LIG		-OWNED		
*RATE	PER UNIT PER MONTH LAN	MP AND FIXTURE				
Α.	LED bracket mounted	luminaire on exist:	ing wood pole:			
	<u>Identification</u>	-	Rate			
	100W Equivalent (1)	·	11.91			
	250W Equivalent (1)	·	19.23 35.30			
	400W Equivalent (1)	ų.	55.50			
	(1) The equivalent w lamp that the LED re		the rating of th	he high pres	ssure sodiı	m
В.	LED directional flood basket truck:	d luminaire; limite	d to installati	ons accessil	ole to Comp	oany
	Identification	I	Rate			
	Directional - Small	\$2	25.02			
	Directional - Medium	\$4	10.11			
	Directional - Large	\$	79.95			
С.	LED post-top luminai	re including standa	ard 17-foot post	t:		
	Identification	-	Rate			
	All Styles	\$2	26.43			
are n	igh Pressure Sodium and o longer available. Can LED fixture under s	ompany will replace				
D.	Standard horizontal	burning, enclosed i	luminaire on ex	isting wood	pole:	
	High Pressure Sodium		Merc	ury Vapor		
	<u>Lumens</u> <u>Rate</u>		Lumens	Rate		
	9,500 \$14.7	5	6,800	\$14.1	6	
	25,500 \$20.3		20,000	\$19.3		
	50,000 \$36.8	3	54,000	\$32.7	2	
Ε.	Standard side mounte	d, hood with open h	oottom glassware	e on existir	ng wood pol	Le:
	High Pressure Sodium			ury Vapor		
	<u>Lumens</u> <u>Rate</u>		Lumens	Rate	•	
	5,800 \$12.1 9,500 \$12.9		3,300 6,800	\$11.7 \$12.3		
	,		3,000	,		
*Indi	cates Change.					
DATE OF ISS	SUE August 1,	2022 DA	TE EFFECTIVE	September	3, 2022	
				-	•	

DATE OF ISSUE August 1, 2022 DATE EFFECTIVE September 3, 2022

ISSUED BY Mark C. Birk Chairman & President St. Louis, Missouri

NAME OF OFFICER TITLE SCHEDULE MWH-D1

ELECTRIC SERVICE

APPLYING TO	o MIS	SOURI	SERVICE	AREA				
	CANCELLING MO.P.S.C. SCHEDULE NO.	6			6th	Revised	SHEET NO.	58.1
	MO.P.S.C. SCHEDULE NO.	6			7th	Revised	SHEET NO.	58.1

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:

High Pressu	re Sodium	Metal Halide		Mercury Vapor		
Lumens	Rate	Lumens	Rate	Lumens	Rate	
25,500	\$26.48	34,000	\$25.49	20,000	\$25.45	
50,000	\$41.89	100,000	\$82.78	54,000	\$37.78	

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:

High Pressu	re Sodium	Mercury Va	por (1)
Lumens	Rate	Lumens	Rate
9,500	\$27.69	3,300	\$26.07
		6,800	\$27.09

- (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:

	Per Unit
Lamp and Fixture	Monthly Rate
11,000 Lumens, Mercury Vapor, Open Bottom	\$11.77
140,000 Lumens, H.P. Sodium, Directional	\$83.47

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

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ELECTRIC SERVICE

MO.P.S.C. SCHEDULE	NO. 6	7th Revised	SHEET NO.	59
CANCELLING MO.P.S.C. SCHEDULE	: NO6	6th 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 Energy Charge

\$8.83 per month 5.58¢ per kWh

*RATE PER UN	NIT PER MON	TH	Energy &	
			Maintenance(1	Energy Only
H.P. Sodium	<u>n</u>			
9,500	Lumens,	Standard	\$ 4.65	\$ 2.16
25,500	Lumens,	Standard	\$ 7.98	\$ 5.55
50,000	Lumens,	Standard	\$ 11.44	\$ 8.72
Metal Halio	de			
5,500	Lumens,	Standard	\$ 6.79	\$ 2.27
12,900	Lumens	Standard	\$ 8.04	\$ 3.83
Mercury Vap	oor			
3,300	Lumens,	Standard	\$ 4.65	\$ 2.30
6,800	Lumens,	Standard	\$ 5.98	\$ 3.74
11,000	Lumens,	Standard	\$ 8.09	\$ 5.32
20,000	Lumens,	Standard	\$10.63	\$ 8.21
54,000	Lumens,	Standard	\$22.56	\$19.56
Light Emitt	ing Diodes	(LED)		Energy Only

Energy Charge - per rated wattage per month

1.89¢

(1) Company will furnish electric energy, furnish and replace lamps, and adjust and replace control mechanisms, as required only through June 30, 2024. Fixtures will then be transitioned to Energy Only effective at the beginning of the next billing period after this date except those fixtures which are eligible for the Limited LED Conversion Option And Grandfathering Provision will continue on the E&M Rate until they are converted to LED by Company.

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.

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ELECTRIC SERVICE

	CANCELLING MO.P.S.C. SCHEDULE NO.	6	_ _		1st	Revised	SHEET NO.	59.4	
PPLYING TO	MISS	OURI	SERVICE A	REA					

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, \$3.50 per month for a 100 watt equivalent LED fixture; \$4.53 per month for a 250 watt equivalent LED fixture; \$8.01 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 Companymaking 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.

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ELECTRIC SERVICE

C APPLYING TO	-		SERVICE	7 DE 7	JUII	Revised	5F	1EET NO	ОΤ	_
C	- ANCELLING MO.P.S.C. SCHEDULE NO.	6	-		5t.h	Revised	 S⊦	HEET NO.	61	
	MO.P.S.C. SCHEDULE NO.	6	_		6th	Revised	SH	HEET NO.	61	

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		\$392.92
Low-Income Pilot Program Charge - per month		\$ 220.99
Energy Charge - per kWh		3.98¢
Demand Charge - per kW of Billing Demand		\$ 23.44
Reactive Charge - per kVar		42.00¢
Winter Rate (October through May) (1)		
Customer Charge - per month		\$392.92
Low-Income Pilot Program Charge - per month		\$ 220.99
Energy Charge - per kWh		3.64¢
Demand Charge - per kW of Billing Demand		\$ 10.42
Reactive Charge - per kVar		42.00¢
Optional Time-of-Day Adjustments		
Additional Customer Charge - per Month	\$21.08 per	month
Energy Adjustment - per kWh	On-Peak Hours(2)	Off-Peak Hours(2)
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.

DATE OF ISSUE	August 1,	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

PPLYING TO	MIS	SOURI	SERVICE AREA			
C	CANCELLING MO.P.S.C. SCHEDULE NO.	6	6t	th Revised	SHEET NO.	62
	MO.P.S.C. SCHEDULE NO.	6	7t	ch Revised	SHEET NO.	62

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DATE OF ISSUE	August 1,	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDUL PRATONIA

PPLYING TO	MIS	SOURI	SERVICE AREA				
С	CANCELLING MO.P.S.C. SCHEDULE NO	6		1st	Revised	SHEET NO.	62.1
	MO.P.S.C. SCHEDULE NO.	6		2nd	Revised	SHEET NO.	62.1

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*Indicates Change.

DATE OF ISSUE August 1, 2022 DATE EFFECTIVE September 3, 2022

ISSUED BY Mark C. Birk Chairman & President St. Louis, Missouri

NAME OF OFFICER TITLE SCHEDULE MWH-D1

APPLYING TO	oMIS	SOURI	SERVICE	AREA					
	CANCELLING MO.P.S.C. SCHEDULE NO.	6	-		1st	Revised	SHEET	۱O. <u>-</u>	62.2
	MO.P.S.C. SCHEDULE NO.	6	-		2nd	Revised	SHEET	NO	62.2

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NAME OF OFFICER TITLE COLUMN. ADDRESS. _ . SCHEDULE MWH-D1

PPLYING TO	MIS	SOURI	SERVICE AREA		
С	ANCELLING MO.P.S.C. SCHEDULE NO.	6	Orig	inal SHEETN	o. 62.3
	MO.P.S.C. SCHEDULE NO.	6	1st Rev	ised SHEETN	o. 62.3

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DATE OF ISSUE	August 1,	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

PPLYING TO	MIS	SOURI	SERVICE	AREA			
C	CANCELLING MO.P.S.C. SCHEDULE NO.	6		1st	Revised	SHEET NO.	62.4
	MO.P.S.C. SCHEDULE NO.	6		2nd	Revised	SHEET NO.	62.4

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NAME OF OFFICER TITLE ADDRESS SCHEDULE MWH-D1

	MO.P.S.C. SCHEDULE NO	D. <u>6</u>	6th Revis	ed	SHEET NO.	63
CANC	ELLING MO.P.S.C. SCHEDULE NO	D. <u>6</u>	5th Revis	ed	SHEET NO.	63
APPLYING TO	M	ISSOURI SERVICE	E AREA			
		MISCELLANEOUS	CHARGES			
Reconnecti	on Charges per Conne	ction Point				
Applicable	e to Rider F - Annual	ly Recurring Sea	rvice, Par. B.3.:	\$30.00		
	e to General Rules & on of Service, Recon	-				
	re an operational AM re an operational AM		-	\$30.00 \$ 5.00		
Returned (Check Fee			\$25.00		
Opt-Out Ch	narges					
	e to General Rules & Remote Meter Reading	=	Measurement of			
	-time setup charge			\$100.00		
Non	-Standard Meter Char	ge - per month		\$40.00		
	Billing Incentive (C to General Rules &					
Paperless		Regulations V. I	Billing Practices,	\$0.50		
*Tampering	Diversion Charge					
	e to General Rules &	Regulations I. (General Provisions,	Customer		
Obligation	ns:			\$210.00		
0211940101						
Service Ca	all Charge					
Service Ca	all Charge s reporting service p t is determined the					
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CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHE	SHEET NO).1
MO.P.S.C. SCHEDULE NO. 6 1st Revised SHE	SHEET NO70).1

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DATE OF ISSUE August 1, 2022 DATE EFFECTIVE September 3, 2022 ISSUED BY Mark C. Birk Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE COLUMN APPRESS. 2.4 SCHEDULE MWH-D1

APPLYING TO	MIS	SOURI	SERVICE	AREA			
CA	ANCELLING MO.P.S.C. SCHEDULE NO	6			Original	SHEET NO.	70.2
	MO.P.S.C. SCHEDULE NO.	6			1st Revised	SHEET NO.	70.2

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DATE OF ISSUE August 1, 2022 DATE EFFECTIVE September 3, 2022 ISSUED BY Mark C. Birk Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE COLUMN APPRESS. . . . SCHEDULE MWH-D1

APPLYING TO) MIS	SSOURI	SERVICE	AREA			
	CANCELLING MO.P.S.C. SCHEDULE NO.	6			Original	SHEET NO.	70.3
	MO.P.S.C. SCHEDULE NO.	6			1st Revised	SHEET NO.	70.3

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DATE OF ISSUE August 1, 2022 DATE EFFECTIVE September 3, 2022 ISSUED BY Mark C. Birk Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE COLUMN APPRESS. . . . SCHEDULE MWH-D1

APPLYING TO	MISS	SOURI	SERVICE	AREA			
C	CANCELLING MO.P.S.C. SCHEDULE NO	6			Original	SHEET NO.	70.4
	MO.P.S.C. SCHEDULE NO.	6			1st Revised	SHEET NO.	70.4

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DATE OF ISSUE	August 1,	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

<u> </u>	
CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET N	o. <u>70.5</u>
MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET N	o. 70.5

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ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

APPLYING TO MISSOURI SERVICE AREA		
CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original S	SHEET NO	70.6
MO.P.S.C. SCHEDULE NO. 6 1st Revised S	SHEET NO.	70.6

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DATE OF ISSUE August 1, 2022 DATE EFFECTIVE September 3, 2022 ISSUED BY Mark C. Birk Chairman & President St. Louis, Missouri

NAME OF OFFICER TITLE COLUMN APPRESS. D4 SCHEDULE MWH-D1

APPLYING TO	MIS	SOURI	SERVICE	AREA			
C	CANCELLING MO.P.S.C. SCHEDULE NO.	6			Original	SHEET NO.	70.7
	MO.P.S.C. SCHEDULE NO.	6			1st Revised	SHEET NO.	70.7

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DATE OF ISSUE	August 1, 2	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

ELECTRIC SERVICE

APPLYING TO	MIS	SOURI	SERVICE	AREA			
	CANCELLING MO.P.S.C. SCHEDULE NO.	6			Original	SHEET NO.	71.16
	MO.P.S.C. SCHEDULE NO.	6			1st Revised	SHEET NO.	71.16

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE

*(Applicable To Service Provided Between February 28, 2022 And The Day Before The Effective Date Of This Tariff)

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:

Accumulation Period (AP)
February through May
June through September
October through January

Recovery Period (RP)
October through May
February through September
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. Notwithstanding that each RP covers a period of eight months, when an extraordinary event has occurred that results in an increase to actual net energy costs in an accumulation period, for good cause shown, subject to Commission approval after an opportunity for any party to be heard, the Company shall defer recovery beyond eight months over a period determined by the Commission upon a finding that the magnitude of the increase on customers of recovering the difference between actual net energy costs and net base energy costs for that accumulation period should be mitigated. The difference not recovered within the eight-month recovery period applicable to the accumulation period at issue will be added to subsequent recovery periods until recovered with a true-up at the end of the Commission approved extended recovery period.

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.

DATE OF ISSUE	August 1,	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

MO.P.S.C. SCHEDULE NO.	6	_	1s	t Revised	SHEET NO.	71.17
CANCELLING MO.P.S.C. SCHEDULE NO.	6	_	0	riginal	SHEET NO.	71.17
APPLYING TO MI	SSOURI	SERVICE A	AREA			

RIDER FAC

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

* (Applicable To Service Provided Between February 28, 2022 And The Day Before The Effective Date Of This Tariff)

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.

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; provided that costs otherwise included in the foregoing associated with coal remaining at a coal plant after the coal plant ceases coal-fired generation shall be excluded from Factor FC;
 - 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.

DATE OF ISSUE	August 1,	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

	MO.P.S.C. SCHEDULE NO.	6			1st Revised	SHEET NO.	71.18
	CANCELLING MO.P.S.C. SCHEDULE NO.	6			Original	SHEET NO.	71.18
APPLYING TO	MIS	SOURI	SERVICE	AREA			

RIDER FAC

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

*(Applicable To Service Provided Between February 28, 2022 And The Day Before The Effective Date Of This Tariff)

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), (c) generation capacity charges for contracts with terms in excess of one (1) year, (d) amounts associated with energy purchased from the MISO market to serve digital currency mining by the Company, and (e) amounts for Renewable Energy Standard compliance that are included in Rider RESRAM. 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)

DATE OF ISSUE	August 1,	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

ELECTRIC SERVICE

APPLYING TO	MIS	SOURI	SERVICE	AREA			
(CANCELLING MO.P.S.C. SCHEDULE NO.	6		ī	Original	SHEET NO.	71.19
	MO.P.S.C. SCHEDULE NO.	6			1st Revised	SHEET NO.	71.19

RIDER FAC

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

*(Applicable To Service Provided Between February 28, 2022 And The Day Before The Effective Date Of This Tariff)

FAR DETERMINATION (Cont'd.)

- B. Non-MISO costs or revenues as follows:
 - 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 84/100 percent (1.84%) of transmission service costs reflected in FERC Account 565 and one and 84/100 percent (1.84%) 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, (b) costs or revenues under MISO Schedule 10, or any successor to that MISO Schedule), and (c) for Renewable Energy Standard compliance included in Rider RESRAM. Such transmission service costs and revenues included in Factor PP include:

*Indicates Change.

<u>A</u>ugust 1, 2022 DATE OF ISSUE DATE EFFECTIVE September 3, 2022 St. Louis, Missouri Mark C. Birk Chairman & President NAME OF OFFICER TITI F

SCHEDULE MWH-D1

APPLYING T	o MIS	SOURI	SERVICE	AREA			
	CANCELLING MO.P.S.C. SCHEDULE NO.	6			Original	SHEET NO.	71.20
	MO.P.S.C. SCHEDULE NO.	6			1st Revised	SHEET NO.	71.20

RIDER FAC

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

*(Applicable To Service Provided Between February 28, 2022 And The Day Before The Effective Date Of This Tariff)

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 SO_2 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.

*Indicates Change.

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6		1st Revised	SHEET NO.	71.21
CANCELLING MO.P.S.C. SCHEDULE NO.	6		Original	SHEET NO.	71.21
APPLYING TO MIS	SOURI	SERVICE A	AREA		

RIDER FAC

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

* (Applicable To Service Provided Between February 28, 2022 And The Day Before The Effective Date Of This Tariff)

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, (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, or (d) for Renewable Energy Standard compliance included in Rider RESRAM) 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.

*Indicates Change.

ELECTRIC SERVICE

APPLYING TO	MIS	SOURI	SERVICE	AREA			
(CANCELLING MO.P.S.C. SCHEDULE NO.	6			Original	SHEET NO.	71.22
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RIDER FAC

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

* (Applicable To Service Provided Between February 28, 2022 And The Day Before The Effective Date Of This Tariff)

FAR DETERMINATION (Cont'd.)

Notwithstanding anything to the contrary contained in the tariff sheets for Rider FAC, factors PP and OSSR shall not include costs and revenues for any undersubscribed portion of a permanent Community Solar Program resource allocated to shareholders under the approved stipulation in File No. ER-2021-0240.

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.

- $B = BF \times S_{AP}$
- 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 \$0.01323 per kWh. The BF applicable to October through May calendar months (BF_{WINTER}) is \$0.01192 per kWh.
- $S_{\text{AP}} = \text{kWh during the AP that ended immediately prior to the FAR filing, as measured by taking the most recent kWh data for the retail component of the Company's load settled at its MISO CP node (AMMO.UE or successor node), but excluding kWh for digital currency mining operations by the Company, plus the metered net energy output of any generating station operating within its certificated service territory as a behind the meter resource in MISO, the output of which served to reduce the Company's load settled at its MISO CP node (AMMO.UE or successor node).$
- 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) but excluding kWh for digital currency mining operations by the Company, 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).

*Indicates Change.

MO.P.S.C. SCHEDULE NO.	6		1st Revised	SHEET NO.	71.23
CANCELLING MO.P.S.C. SCHEDULE NO.	6		Original	SHEET NO.	71.23
APPLYING TO MIS	SSOURI	SERVICE ARE	EA		

RIDER FAC

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

*(Applicable To Service Provided Between February 28, 2022 And The Day Before The Effective Date Of This Tariff)

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.
- ${\sf FAR}_{\sf RP}$ = FAR Recovery Period rate component calculated to recover under- or over-collection during the Accumulation Period that ended immediately prior to the applicable filing.
- $\label{eq:FAR} \mbox{FAR}_{(\mbox{\scriptsize RP-1})} \ = \ \mbox{FAR}_{(\mbox{\scriptsize RP-1})} \ = \$
 - 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%.

*Indicates Change.

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6		1st Revised	SHEET NO.	71.24
CANCELLING MO.P.S.C. SCHEDULE NO.	6	_	Original	SHEET NO.	71.24
APPLYING TO MIS	SOURI	SERVICE A	AREA		

RIDER FAC

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

* (Applicable To Service Provided Between February 28, 2022 And The Day Before The Effective Date Of This Tariff)

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 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 LPS Weighting Factors(WF):

Primary Voltage LPS Weighting Factor (WF $_{\mathtt{PRI}}$)	0.1587
High Voltage LPS Weighting Factor (WFHV)	0.3967
Transmission Voltage LPS Weighting Factor (WF _{TRANS})	0.4446

The Weighting Factors are the ratios between each voltage's annual kWh and total annual LPS kWh. The above Combined Initial Rate Component is developed for the purposes of determining if the statutory RAC_{LPS} has been exceeded, and if it has, calculating the FAR Shortfall Adder to be applied across all non-LPS service classifications in the immediately concluded AP.

DATE OF ISSUE	August 1,	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

MO.P.S.C. SCHEDULE NO.	6			1st Revised	SHEET NO.	71.25
CANCELLING MO.P.S.C. SCHEDULE NO.	6			Original	SHEET NO.	71.25
APPLYING TO MI:	SSOURI	SERVICE	AREA			

RIDER FAC

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

* (Applicable To Service Provided Between February 28, 2022 And The Day Before The Effective Date Of This Tariff)

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 $\underline{\text{Non-LPS}}$ Individual Service Classifications shall be determined as follows:

FARSEC = Initial Rate Component For Secondary Customers + (Per kWh FAR Shortfall Adder x VAFSEC)

FARHV = Initial Rate Component For High Voltage Customers + (Per kWh FAR Shortfall Adder x VAFHV)

The FAR Applicable to the $\underline{\text{LPS}}$ Individual Service Classifications shall be determined as follows:

LPSFARPRI = Initial Rate Component For Primary 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.

*Indicates Change.

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6			1st Revised	SHEET NO.	71.26
CANCELLING MO.P.S.C. SCHEDULE NO.	. 6			Original	SHEET NO.	71.26
APPLYING TO MI	SSOURI	SERVICE .	AREA			

RIDER FAC

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

*(Applicable To Service Provided Between February 28, 2022 And The Day Before The Effective Date Of This Tariff)

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.

DATE OF ISSUE	August 1,	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

NION ELECTRIC COMPANY ELECTRIC S	ERVICE
MO.P.S.C. SCHEDULE NO. 6	1st Revised SHEET NO. 71.2
CANCELLING MO.P.S.C. SCHEDULE NO. 6	Original SHEET NO. 71.2
PLYING TO MISSOURI SERV	VICE AREA
	<u>R FAC</u> ADJUSTMENT CLAUSE (Cont'd.)
·	TYPE TABLE
	February 28, 2022 And The Day Before The
Effective Date	Of This Tariff)
MISO Energy & Operating Reserve Market Set	tlement Charge Types and Capacity Market
Charges and Credits	
DA Asset Energy Amount;	RT Asset Energy Amount;
DA Congestion Rebate on Carve-out GFA; DA Congestion Rebate on Option B GFA;	RT Congestion Rebate on Carve-out GFA; RT Contingency Reserve Deployment Failure Charge
DA Financial Bilateral Transaction Congestion Amount;	
DA Financial Bilateral Transaction Loss Amount;	RT Demand Response Allocation Uplift Charge;
DA Loss Rebate on Carve-out GFA;	RT Distribution of Losses Amount;
DA Loss Rebate on Option B GFA; DA Non-Asset Energy Amount;	RT Excessive Energy Amount; RT Excessive\Deficient Energy Deployment Charge
DA Ramp Capability Amount;	Amount;
DA Regulation Amount;	RT Financial Bilateral Transaction Congestion
DA Revenue Sufficiency Guarantee Distribution Amount;	Amount;
DA Revenue Sufficiency Guarantee Make Whole Payment Amount;	RT Financial Bilateral Transaction Loss Amount; RT Loss Rebate on Carve-out GFA;
DA Spinning Reserve Amount;	RT Miscellaneous Amount;
DA Supplemental Reserve Amount;	RT Ramp Capability Amount;
DA Virtual Energy Amount;	Real Time MVP Distribution;
FTR Annual Transaction Amount; FTR ARR Revenue Amount;	RT Net Inadvertent Distribution Amount; RT Net Regulation Adjustment Amount;
FTR ARR Stage 2 Distribution;	RT Non-Asset Energy Amount;
FTR Full Funding Guarantee Amount;	RT Non-Excessive Energy Amount;
FTR Guarantee Uplift Amount;	RT Price Volatility Make Whole Payment;
FTR Hourly Allocation Amount; FTR Infeasible ARR Uplift Amount;	RT Regulation Amount; RT Regulation Cost Distribution Amount;
FTR Monthly Allocation Amount;	RT Resource Adequacy Auction Amount;
FTR Monthly Transaction Amount;	RT Revenue Neutrality Uplift Amount;
FTR Yearly Allocation Amount;	RT Revenue Sufficiency Guarantee First Pass Dist
FTR Transaction Amount;	Amount; RT Revenue Sufficiency Guarantee Make Whole Payment Amount;
	RT Schedule 49 Distribution
	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 Sched	ules
MISO Schedule 1 (System control & dispatch);	MISO Schedule 41 (Charge to Recover Costs of Entergy
MISO Schedule 2 (Reactive supply & voltage control);	<pre>Strom Securitization);</pre>
MISO Schedule 7 & 8 (point to point transmission service);	MISO Schedule 42A (Entergy Charge to Recover Interest);
MISO Schedule 9 (network transmission service);	MISO Schedule 42B (Entergy Credit associated with
MISO Schedule 11 (Wholesale Distribution);	AFUDC);
MISO Schedules 26, 26A, 37 & 38 (MTEP & MVP Cost	MISO Schedule 45 (Cost Recovery of NERC
Recovery); MISO Schedules 26-C & 26-D - (TMEP Cost Recovery);	Recommendation or Essential Action); MISO Schedule 47 (Entergy Operating Companies
MISO Schedule 33 (Black Start Service);	MISO Transition Cost Recovery);
MISO Charge Types Which Appear On MISO Set	tlement Statements Represent
Administrative Charges And Are Specificall	y 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;
Indicates Addition.	

Mark C. Birk Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE SCHEDULE MONTH SCHED

ISSUED BY

APPLYING TO	omis	SSOURI	SERVICE	AREA			
	CANCELLING MO.P.S.C. SCHEDULE NO.	6			Original	SHEET NO.	71.28
	MO.P.S.C. SCHEDULE NO.	6			1st Revised	SHEET NO.	71.28

RIDER FAC

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

FAC CHARGE TYPE TABLE (Cont'd.)

*(Applicable To Service Provided Between February 28, 2022 And The Day Before The Effective Date Of This Tariff)

PJM Market Settlement Charge Types

Auction Revenue Rights; Load Reconciliation for Inadvertent Interchange; Balancing Operating Reserve; Load Reconciliation for Operating Reserve Charge; Balancing Operating Reserve for Load Response; Load Reconciliation for Regulation and Frequency Response Service: Balancing Spot Market Energy; Load Reconciliation for Spot Market Energy; Balancing Transmission Congestion; Load Reconciliation for Synchronized Reserve; Balancing Transmission Losses; Load Reconciliation for Synchronous Condensing; Capacity Resource Deficiency; Load Reconciliation for Transmission Congestion; Capacity Transfer Rights; Load Reconciliation for Transmission Losses; Day-ahead Economic Load Response; Locational Reliability; Day-Ahead Load Response Charge Allocation; Miscellaneous Bilateral; Day-ahead Operating Reserve; Non-Unit Specific Capacity Transaction; Day-ahead Operating Reserve for Load Response; Peak Season Maintenance Compliance Penalty; Day-ahead Spot Market Energy; Peak-Hour Period Availability; Day-ahead Transmission Congestion; PJM Customer Payment Default; Planning Period Congestion Uplift; Day-ahead Transmission Losses; Demand Resource and ILR Compliance Penalty; Planning Period Excess Congestion; Emergency Energy; Ramapo Phase Angle Regulators; Emergency Load Response; Real-time Economic Load Response; Energy Imbalance Service; Real-Time Load Response Charge Allocation; Financial Transmission Rights Auction; Regulation and Frequency Response Service; Generation Deactivation: RPM Auction; Generation Resource Rating Test Failure; Station Power; Inadvertent Interchange; Synchronized Reserve; Incremental Capacity Transfer Rights; Synchronous Condensing; Interruptible Load for Reliability; 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, Transmission Owner Scheduling, System Control and System Control and Dispatch Service; Network Integration Transmission Service; Network Integration Transmission Service (exempt);

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: Dispatch Service; Unscheduled Transmission Service;

Network Integration Transmission Service Offset;

*Indicates Addition.

DATE OF ISSUE August 1, 2022 DATE EFFECTIVE September 3, 2022 St. Louis, Missouri Mark C. Birk Chairman & President

TITI F

Reactive Services;

NAME OF OFFICER

SCHEDULE MWH-D1

	MO.P.S.C. SCHEDULE NO.	6			1st Revised	SHEET NO.	71.29
C	ANCELLING MO.P.S.C. SCHEDULE NO.	6			Original	SHEET NO.	71.29
APPLYING TO	MIS	SOURI	SERVICE	AREA			

RIDER FAC

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

FAC CHARGE TYPE TABLE (Cont'd.)

*(Applicable To Service Provided Between February 28, 2022 And The Day Before The Effective Date Of This Tariff)

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

Annual PJM Building Rent; Annual PJM Cell Tower; FERC Annual Charge Recovery; Load Reconciliation for FERC Annual Charge Recovery; Organization of PJM States, Inc. (OPSI) Funding; Load Reconciliation for North American Electric Reliability Corporation (NERC); Load Reconciliation for Organization of PJM States, Inc. (OPSI) Funding; Load Reconciliation for Reliability First Corporation (RFC); Market Monitoring Unit (MMU) Funding;

Michigan - Ontario Interface Phase Angle Regulators; North American Electric Reliability Corporation (NERC); PJM Annual Membership Fee; PJM Settlement, Inc.; Reliability First Corporation (RFC); RTO Start-up Cost Recovery; Virginia Retail Administrative Fee;

SPP Market Settlement Charge Types

DA Asset Energy Amount; DA Non-Asset Energy Amount; DA Make-Whole Payment Distribution; DA Make-Whole Payment;; DA Virtual Energy; DA Virtual Energy Transaction Fee; DA Demand Reduction Amount; DA Demand Reduction Distribution Amount; DA GFA Carve-Out Daily Amount; DA GFA Carve-Out Monthly Amount; DA GFA Carve-Out Yearly Amount; GFA Carve Out Distribution Daily Amount; GFA Carve Out Distribution Monthly Amount; GFA Carve Out Distribution Yearly Amount; RT Asset Energy Amount RT Over Collected Losse; s Distribution; RT Miscellaneous Amount; RT Non-Asset Energy; RT Revenue Neutrality Uplift; RT Joint Operating Agreement; RUC Make Whole Payment Distribution; RUC Make Whole Payment; RT Virtual Energy Amount; RT Demand Reduction Amount; RT Demand Reduction Distribution Amount; Transmission Congestion Rights Daily Uplift; Transmission Congestion Rights Monthly Payback; Transmission Congestion Rights Auction Transaction; RT Reserve Sharing Group Distribution; Transmission Congestion Rights Annual Payback; Transmission Congestion Rights Funding; Auction Revenue Rights Annual Closeout; Auction Revenue Rights Funding;

Transmission Congestion Rights Annual Closeout Auction Revenue Rights Uplift Auction Revenue Rights Monthly Payback Auction Revenue Rights Annual Payback DA Regulation Up DA Regulation Down DA Regulation Up Distribution DA Regulation Down Distribution DA Spinning Reserve DA Spinning Reserve Distribution DA Supplemental Reserve DA Supplemental Reserve Distribution RT Regulation Up RT Regulation Up Distribution RT Regulation Down RT Regulation Down Distribution RT Regulation Out of Merit RT Spinning Reserve Amount RT Supplemental Reserve Amount RT Spinning Reserve Cost Distribution Amount RT Supplemental Reserve Distribution Amount RT Regulation Non-Performance RT Regulation Non-Performance Distribution RT Regulation Deployment Adjustment; RT Contingency Reserve Deployment Failure RT Contingency Reserve Deployment Failure Distribution; RT Reserve Sharing Group; RT Pseudo-Tie Congestion Amount;

RT Unused Regulation -Up Mileage Make Whole Payment;

RT Unused Regulation -Down Mileage Make Whole Payment;

RT Pseudo-Tie Losses Amount;

*Indicates Addition.

DATE OF ISSUE August 1, 2022 DATE EFFECTIVE September 3, 2022 Chairman & President St. Louis, Missouri

Mark C. Birk NAME OF OFFICER

ELECTRIC SERVICE

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APPLYING TO	MIS	SSOURI	SERVICE	AREA			
C	CANCELLING MO.P.S.C. SCHEDULE NO.	6			Original	SHEET NO.	71.30
	MO.P.S.C. SCHEDULE NO.	6			1st Revised	SHEET NO.	71.30

RIDER FAC

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

FAC CHARGE TYPE TABLE (Cont'd.)

*(Applicable To Service Provided Between February 28, 2022 And The Day Before The Effective Date Of This Tariff)

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;

DATE OF ISSUE	August 1,	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

^{*}Indicates Addition.

	MO.P.S.C. SCHEDULE NO. 6	_		Original	SHEET NO.	71.32
C	ANCELLING MO.P.S.C. SCHEDULE NO.	_			SHEET NO.	
APPLYING TO	MISSOUR	I 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:

Accumulation Period (AP)

February through May
June through September
October through January

Recovery Period (RP)
October through May
February through September
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. Notwithstanding that each RP covers a period of eight months, when an extraordinary event has occurred that results in an increase to actual net energy costs in an accumulation period, for good cause shown, subject to Commission approval after an opportunity for any party to be heard, the Company shall defer recovery beyond eight months over a period determined by the Commission upon a finding that the magnitude of the increase on customers of recovering the difference between actual net energy costs and net base energy costs for that accumulation period should be mitigated. The difference not recovered within the eight-month recovery period applicable to the accumulation period at issue will be added to subsequent recovery periods until recovered with a true-up at the end of the Commission approved extended recovery period.

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.

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ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

	MO.P.S.C. SCHEDULE NO. 6	<u>.</u>		Original	SHEET NO.	71.33
C	ANCELLING MO.P.S.C. SCHEDULE NO.				SHEET NO.	
APPLYING TO	MISSOUR	I SERVICE	AREA			

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd) To Service Provided On The Effective Date Of This Tariff Si

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

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.

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; provided that costs otherwise included in the foregoing associated with coal remaining at a coal plant after the coal plant ceases coal-fired generation shall be excluded from Factor FC and instead deferred on the Company's books to a regulatory asset for consideration of recovery in a general rate proceeding over a reasonable amortization period as determined by the Commission;
 - 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

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	MO.P.S.C. SCHEDULE NO. 6			Original	SHEET NO.	71.34
C	ANCELLING MO.P.S.C. SCHEDULE NO.				SHEET NO.	
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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)

- 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.
- 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) all charges under Midcontinent Independent System Operator, Inc. ("MISO") Schedules 10, 16, 17 and 24 (or any successor to those MISO Schedules), and (b) generation capacity charges for contracts with terms in excess of one (1) year, provided that the cost of capacity acquired from a jointly owned entity, whose Factors PP, OSSR, or T costs and revenues assigned by the entity to the Company are included in this Rider FAC, will be included in Factor PP regardless of the term. 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);
 - d. Supplemental reserve service (MISO Schedule 6, or its successor); and
 - e. Short-term reserve service;
 - 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 ARE	A		

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 that either such capacity is acquired from a jointly owned entity whose Factors PP, OSSR, or T costs and revenues assigned by the entity to the Company are included in this Rider FAC, or 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) Four and 97/100 percent (4.97%) of transmission service costs reflected in FERC Account 565 and Four and 97/100 percent (4.97%) of transmission revenues reflected in FERC Account 456.1 (excluding 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:
 - A. MISO costs and revenues associated with:
 - 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 Schedules 26, 26A, 26C, 26D, 26E, 26F, 37 and 38 or their successors;
 - vi. MISO Schedule 33; and
 - vii. MISO Schedules 41, 42-A, 42-B, 45 and 47;

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	MO.P.S.C. SCHEDULE NO. 6			Original	SHEET NO.	71.36
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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 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 SO_2 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.
- OSSR = Costs and revenues in FERC Account 447 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);
 - D. Supplemental reserve service (MISO Schedule 6, or its successor);
 - E. Ramp capability service; and
 - F. Short-term reserve service;
 - 4) Make-whole payments, including:
 - A. Price volatility; and
 - B. Revenue sufficiency quarantee; 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.

Notwithstanding anything to the contrary contained in the tariff sheets for Rider FAC, factors PP and OSSR shall not include costs and revenues for any undersubscribed portion of a permanent Community Solar Program resource allocated to shareholders under the approved stipulation in File No. ER-2021-0240.

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ELECTRIC SERVICE

	MO.P.S.C. SCHEDULE NO. 6			Original	SHEET NO.	71.37
С	ANCELLING MO.P.S.C. SCHEDULE NO.				SHEET NO.	
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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.)

NAME OF OFFICER

Notwithstanding anything to the contrary contained in the tariff sheets for Rider FAC, factors FC, PP and OSSR shall not include costs and revenues for (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, (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, (d) for Renewable Energy Standard compliance included in Rider RESRAM, (e) amounts associated with energy purchased from the MISO market to serve digital currency mining by the Company, and (f) those amounts specified by Commission Order approving any tariff, rider or program, to be excluded from Rider FAC.

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.

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TITLE SCHEDULE MWH-D1

ELECTRIC SERVICE

	MO.P.S.C. SCHEDULE NO.	6			Original	SHEET NO.	71.38
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- $B = BF \times S_{AP}$
- 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 \$0.01448 per kWh. The BF applicable to October through May calendar months (BF_{WINTER}) is \$0.01312 per kWh.
- $S_{\text{AP}} = k \text{Wh}$ 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), but excluding kWh for digital currency mining operations by the Company, 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) but excluding kWh for digital currency mining operations by the Company, 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 SE	RVICE 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.)

- 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 monthend 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.
- ${\sf FAR}_{\sf RPP}$ = FAR Recovery Period rate component calculated to recover under- or over-collection during the Accumulation Period that ended immediately prior to the applicable filing.
- $\begin{tabular}{lll} FAR_{(RP-1)} &=& FAR & Recovery & Period & rate & component & for the under- & or over-collection \\ & & during & the & Accumulation & Period & immediately & preceding & the & Accumulation \\ & & & Period & that & ended & immediately & prior & to & the & application & filing & for & FAR_{RP}. \end{tabular}$
 - 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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APPLYING TO	MISSOU	JRI	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.

 $\label{eq:FAR_LPS} \textit{FAR}_{\text{LPS}} \; = \; \textit{The lesser of (a) the Combined Initial Rate Component for RAC_{\text{LPS}}} \; \textit{Comparison} \\ \quad \text{or (b) RAC}_{\text{LPS}}.$

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 LPS Weighting Factors (WF):

Primary Voltage LPS Weighting Factor ($\mathtt{WF}_\mathtt{PRI}$)	0.1587
High Voltage LPS Weighting Factor (WF $_{ m HV}$)	0.3967
Transmission Voltage LPS Weighting Factor (WFTRANS)	0.4446

The Weighting Factors are the ratios between each voltage's annual kWh and total annual LPS kWh. The above Combined Initial Rate Component is developed for the purposes of determining if the statutory RAC_{LPS} has been exceeded, and if it has, calculating the FAR Shortfall Adder to be applied across all non-LPS service classifications in the immediately concluded AP.

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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 $\underline{\text{Non-LPS}}$ 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 High Voltage Customers + (Per kWh FAR Shortfall Adder x VAFHV)

The FAR Applicable to the $\underline{\text{LPS}}$ Individual Service Classifications shall be determined as follows:

LPSFARPRI = Initial Rate Component For Primary Customers x LPS RAC Cap Multiplier

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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ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6			Original	SHEET NO.	71.42
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APPLYING TO MIS	SOURI	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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NAME OF OFFICER TITLE SCHEDULE MWH-D1

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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 Short-term Reserve Amount;	RT Net Inadvertent Distribution Amount;
DA Spinning Reserve Amount;	RT Net Regulation Adjustment Amount;
DA Supplemental Reserve Amount;	RT Non-Asset Energy Amount;
DA Virtual Energy Amount;	RT Non-Excessive Energy Amount;
FTR Annual Transaction Amount;	RT Price Volatility Make Whole Payment;
FTR ARR Revenue Amount;	RT Regulation Amount;
FTR ARR Stage 2 Distribution;	RT Regulation Cost Distribution Amount;
FTR Full Funding Guarantee Amount;	RT Resource Adequacy Auction Amount;
FTR Guarantee Uplift Amount;	RT Revenue Neutrality Uplift Amount;
FTR Hourly Allocation Amount;	RT Revenue Sufficiency Guarantee First Pass Dist Amount;
FTR Infeasible ARR Uplift Amount;	RT Revenue Sufficiency Guarantee Make Whole Payment Amount;
FTR Monthly Allocation Amount;	RT Schedule 49 Distribution;
FTR Monthly Transaction Amount;	RT Short-term Reserve Amount;
FTR Yearly Allocation Amount;	RT Spinning Reserve Amount;
FTR Transaction Amount;	RT Spinning Reserve Cost Distribution Amount;
	RT Supplemental Reserve Amount;
	RT Supplemental Reserve Cost Distribution Amount;
	RT Virtual Energy Amount;
	Short-term Reserve Cost Distribution Amount;
	Short-term Reserve Deployment Failure Charge Amount;
MISO Transmission Service Settlement Schedules	
VT00 0 1 1 1 1 (0 1 1 1 1 1 1 1 1 1 1 1 1	MT00 0 1 1 1 41 (0)

M

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

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;

DATE OF ISSUE August 1, 2022 DATE EFFECTIVE September 3, 2022 Mark C. Birk

Chairman & President St. Louis, Missouri

ELECTRIC SERVICE

	MO.P.S.C. SCHEDULE NO.	6			Original	SHEET NO.	71.44
C	ANCELLING MO.P.S.C. SCHEDULE NO.					SHEET NO.	
APPLYING TO	MISSO	OURI	SERVICE	AREA			

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.) FAC CHARGE TYPE TABLE (Cont'd.)

PJM Market Settlement Charge Types

Load Reconciliation for Inadvertent Interchange; Auction Revenue Rights; Balancing Operating Reserve; Load Reconciliation for Operating Reserve Charge; Balancing Operating Reserve for Load Response; Load Reconciliation for Regulation and Frequency Response Service; Balancing Spot Market Energy; Load Reconciliation for Spot Market Energy; Balancing Transmission Congestion; Load Reconciliation for Synchronized Reserve; Balancing Transmission Losses; Load Reconciliation for Synchronous Condensing; Capacity Resource Deficiency; Load Reconciliation for Transmission Congestion; Capacity Transfer Rights; Load Reconciliation for Transmission Losses; Day-ahead Economic Load Response; Locational Reliability; Day-Ahead Load Response Charge Allocation; Miscellaneous Bilateral; Day-ahead Operating Reserve; Non-Unit Specific Capacity Transaction; Day-ahead Operating Reserve for Load Response; Peak Season Maintenance Compliance Penalty; Day-ahead Spot Market Energy; Peak-Hour Period Availability; Day-ahead Transmission Congestion; PJM Customer Payment Default; Day-ahead Transmission Losses; Planning Period Congestion Uplift; Demand Resource and ILR Compliance Penalty; Planning Period Excess Congestion; Emergency Energy; Ramapo Phase Angle Regulators; Emergency Load Response; Real-time Economic Load Response; Energy Imbalance Service; Real-Time Load Response Charge Allocation; Financial Transmission Rights Auction; Regulation and Frequency Response Service; Generation Deactivation; RPM Auction; Generation Resource Rating Test Failure; Station Power; Inadvertent Interchange; Synchronized Reserve; Incremental Capacity Transfer Rights; Synchronous Condensing; Interruptible Load for Reliability; 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);

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;

Network Integration Transmission Service Offset;

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Mark C. Birk

Chairman & President

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TITLE

September 3, 2022

TITLE

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SCHEDULE MWH-D1

ELECTRIC SERVICE

	MO.P.S.C. SCHEDULE NO. 6	<u> </u>			Original	SHEET NO.	71.45
C	ANCELLING MO.P.S.C. SCHEDULE NO.					SHEET NO.	
APPLYING TO	MISSO	URI	SERVICE	AREA			

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; Annual PJM Cell Tower; FERC Annual Charge Recovery; Load Reconciliation for FERC Annual Charge Recovery; Load Reconciliation for North American Electric Reliability Corporation (NERC); Load Reconciliation for Organization of PJM States, Inc. (OPSI) Funding; Load Reconciliation for Reliability First Corporation (RFC); Market Monitoring Unit (MMU) Funding;

Michigan - Ontario Interface Phase Angle Regulators; North American Electric Reliability Corporation (NERC): Organization of PJM States, Inc. (OPSI) Funding; PJM Annual Membership Fee; PJM Settlement, Inc.; Reliability First Corporation (RFC); RTO Start-up Cost Recovery; Virginia Retail Administrative Fee;

SPP Market Settlement Charge Types

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

DATE OF ISSUE August 1, 2022 DATE EFFECTIVE September 3, 2022 Chairman & President St. Louis, Missouri Mark C. Birk NAME OF OFFICER

SCHEDULE MWH-D1

TITI F

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6			Original	SHEET NO.	71.46
CANCELLING MO.P.S.C. SCHEDULE NO.					SHEET NO.	
APPLYING TO MIS	SOURI	SERVICE	AREA			

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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CA	NCELLING MO.P.S.C. SCHEDULE NO		SHEET NO.
PLYING TO	MISSOURI SERVICE AREA		
	RIDER FAC		
	FUEL AND PURCHASED POWER ADJUSTMENT CLAUS	E (Cont'd.)	
	(Applicable To services provided on XXXXXX three	ough XXXXXX)	
	on of Current Fuel Adjustment Rate (FAR):		
Accur	mulation Period Ending:		\$
2.	Actual Net Energy Cost = (ANEC) (FC+PP+E+R -OSSR) (B) = (BF x S _{AP})	_	\$
	2.1 Base Factor (BF)		\$/kWh
	2.2 Accumulation Period Sales (SAP)		kWh
3.	Total Company Fuel and Purchased Power Difference	=	\$
	3.1 Customer Responsibility	Х	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
-	tate Component for the Individual Service Classifications		
12. 13.	Secondary Voltage Adjustment Factor (VAF $_{\text{SEC}}$) Initial Rate Component for Secondary Customers	=	1.0539 \$0.00000/kWh
		_	
14. 15.	Primary Voltage Adjustment Factor (VAF _{PRI}) Initial Rate Component for Primary Customers	=	1.0222 \$0.00000/kWh
16.	Primary LPS Weighting Factor (WF _{PRI})	_	.1587
17.	High Voltage Adjustment Factor (VAFHV)		1.0059
18.	Initial Rate Component for High Voltage Customers	=	\$0.00000/kWh
19.	High Voltage LPS Weighting Factor (WF $_{\rm HV}$)		.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 $_{\text{TRANS}}$)		.4446
23.	Combined Initial Rate Component for RAC_{LPS} Comparison	=	\$0.00000/kWh
LPS Rate A	djustment Cap Components & Adder		
24.	RAC_{LPS}	=	\$0.00000/kWh
25.	Weighted Avg FAR for Large Primary Service (FAR $_{\mbox{\scriptsize LPS}},$ lesser of 23	and 24) $=$	\$0.00000/kWh
26. 27.	Difference (Line 23 - Line 25) if applicable Estimated Recovery Period Metered Sales for LPS (S_{LPS})	=	\$0.00000/kWh kWh
28.	FAR Shortfall Adder (Line 26 x Line 27)	=	\$
29.	Per kWh FAR Shortfall Adder (Line 28 / $(S_{\text{RP}} - \text{SRP}_{\text{LPS}})$	=	\$0.00000/kWh
FAR Applic	eable 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. 33.	FAR for High Voltage(FARHV) (Line 18 + (Line 29 x Line 17)) FAR for Tramsmission(FARTRANS) (Line 21 + (Line 29 x Line 20))	=	\$0.00000/kWh \$0.00000/kWh
		_	Ç0.0000/ KWII
	cable to the LPS Service Classifications		
34.	LPS RAC Cap Multiplier (Line 25 / Line 23))	=	1
35. 36.	FAR for LPS Primary(LPSFAR _{PRI}) (Line 15 x Line 34) FAR for LPS High Voltage(LPSFAR _{HV}) (Line 18 x Line 34)	=	\$0.00000/kWh \$0.00000/kWh
37.	FAR for LPS Transmission(LPSFAR _{TRANS}) (Line 21 x Line 34)	=	\$0.00000/kWh
TE OF ISSUE	August 1, 2022 DATE EFFECTIVE	Septeml	per 3, 2022
SUED BY	Mark C. Birk Chairman & President NAME OF OFFICER TITLE	St. I	Louis, Missour ADDRESS

MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	72
CANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	72
APPLYING TO MIS	SOURI	SERVICE	AREA				

THIS SHEET RESERVED FOR FUTURE USE

DATE OF ISSUE	August 1,	2022 DATE EFFECTIVE	September 3, 2022
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	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

PPLYING TO	MIS	SOURI	SERVICE	AREA				
CA	ANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	72.1
	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	72.1

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PPLYING TO	MIS	SOURI	SERVICE	AREA				
CA	NCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	72.2
	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	72.2

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MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 72.3

CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 72.3

APPLYING TO MISSOURI SERVICE AREA

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Mark C. Birk

Chairman & President

NAME OF OFFICER

TITLE

SCHEDULE MWH-D1

PPLYING TO	MIS	SOURI	SERVICE	AREA				
С	ANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	72.4
	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	72.4

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PPLYING TO	MIS	SOURI	SERVICE	AREA				
CA	ANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	72.5
	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	72.5

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	NAME OF OFFICER	TITLE		SCHEDULE MWH-D1	

APPLYING TO	MIS	SOURI	SERVICE	AREA				
CA	ANCELLING MO.P.S.C. SCHEDULE NO	6			1st	Revised	SHEET NO.	72.6
	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	72.6

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*Indicates Change.

APPLYING TO MISSOURI SERVIO	CE AREA	
CANCELLING MO.P.S.C. SCHEDULE NO. 6	1st Revised	SHEET NO. 72.7
MO.P.S.C. SCHEDULE NO. 6	2nd Revised	SHEET NO. 72.7

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*Indicates Change.

APPLYING TO	MIS	SOURI	SERVICE	AREA				
C	CANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	72.8
	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	72.8

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*Indicates Change.

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	MO.P.S.C. SCHEDULE NO.	6			7th	Revised	SHEET NO.	72.9

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MO.P.S.C. SCHEDULE NO.	6			3rd	Revised	SHEET NO.	73
CANCELLING MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	73
APPLYING TO MIS	SOURI	SERVICE	AREA				

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	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

PPLYING TO	MIS	SOURI	SERVICE	AREA				
CA	ANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	73.1
	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	73.1

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PPLYING TO	MIS	SOURI	SERVICE	AREA				
C	ANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	73.2
	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	73.2

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APPLYING TO	MIS	SSOURI	SERVICE	AREA				
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	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	73.3

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PPLYING TO	MIS	SOURI	SERVICE	AREA				
CA	ANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	73.4
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PPLYING TO	MIS	SOURI	SERVICE	AREA				
CA	ANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	73.5
	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	73.5

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APPLYING TO	MIS	SOURI	SERVICE	AREA				
	CANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	73.6
	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	73.6

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APPLYING TO	MIS	SOURI	SERVICE	AREA				
CA	ANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	 SHEET NO	73.7
	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	 SHEET NO.	73.7

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PPLYING TO	MIS	SOURI	SERVICE	AREA				
C	ANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	73.8
	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	73.8

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APPLYING TO _	MIS	SOURI	SERVICE	AREA				
C	ANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	73.9
	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	73.9

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PPLYING TO MISSOURI SERVICE AREA	
CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHE	ET NO. 73.10
MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHE	ET NO. 73.10

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PPLYING TO MISSOURI SERVICE AREA		
CANCELLING MO.P.S.C. SCHEDULE NO. 6 6th Revised SH	IEET NO.	73.11
MO.P.S.C. SCHEDULE NO. 6 7th Revised SH	IEET NO	73.11

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·	NAME OF OFFICER	TITLE	SCHEDUL FD N/N FFF - D1

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO CANCELLING MO.P.S.C. SCHEDULE NO.	6		Revised Revised	SHEET NO SHEET NO.	75
	SOURI	SERVICE	 Reviseu	_ SHEET NO	73

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 $34\,kV$ or higher, Company will allow discounts from its applicable rate schedule as follows:

- *1. A monthly credit of \$1.38/kW of billing demand for customers taking service at 34.5 or 69kV.
- *2 . A monthly credit of \$1.64/kW of billing demand for customers taking service at 115kV or higher.

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	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6		1st Revised	SHEET NO.	84.2
CANCELLING MO.P.S.C. SCHEDULE NO.	6		Original	SHEET NO.	84.2
APPLYING TO MIS	SOURI	SERVICE AREA			

RIDER RDC

RESERVE DISTRIBUTION CAPACITY RIDER (Cont'd.)

* DUPLICATE ON-SITE SUPPLY FACILITIES

Requests for duplicate supply facilities on the customer's premises, such as a second transformer or a second primary extension from a single supply feeder, shall be provided under provisions of Special Facilities of Company's General Rules and Regulations, Distibution System Extensions tariff.

TERM

Customer shall be required to sign a contract for an initial term of ten (10) years, cancelable by customer at any time after one (1) year with six (6) months' written notice to Company. Absent such cancellation during the initial term, the contract shall be automatically renewed for successive terms of one (1) year each, subject to termination by the giving of written notice, by either Company or customer, of at least six (6) months prior to the expiration of any renewal term.

Said contract shall be based on the Form of Contract included with this Rider RDC tariff and provided within ten days of execution to the Missouri Public Service Commission "Commission" Staff for informational purposes. The Company will file a revised Form of Contract tariff with the Commission before any significant modifications are made to said Contract.

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 Rider.

DATE OF ISSUE

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September 3, 2022

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Mark C. Birk

Chairman & President

NAME OF OFFICER

TITLE

SCHEDULE MWH-D1

^{*}Indicates Change.

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6		6th Revised	SHEET NO.	88
CANCELLING MO.P.S.C. SCHEDULE NO.	6		5th Revised	SHEET NO.	88
APPLYING TO MIS	SOURI	SERVICE AREA			

RIDER SR

SOLAR REBATE 2019-2023 - 393.1670

*PURPOSE

The purpose of this Rider SR Solar Rebate 2019-2023 is to implement the solar rebate established through §393.1670 RSMo and to establish the terms, conditions and procedures which the Company will rely on in accepting rebate applications and authorizing rebate payments to eligible participants for a qualifying solar electric system.

*AVAILABILITY

Except as otherwise provided herein, the Solar Rebate program is available to all customers receiving service under Service Classifications 1(M) Residential Service Rate, 2(M) Small General Service Rate, 3(M) Large General Service Rate, 4(M) Small Primary Service Rate, 6(M) Street and Outdoor Area Lighting - Customer-Owned, 11(M) Large Primary Service Rate, or 12(M) Large Transmission Service Rate.

Details concerning the current Rebate Commitment levels, Reservation Queue, and payment levels are posted on the Company's website at www.ameren.com and will be updated monthly.

Retail customers (customer) of Company are eligible for the solar rebate with the following limitations and conditions:

- 1. The customer must be an active account on the Company's system.
- 2. The System must be permanently installed on the customer's premise.
- 3. The customer must declare the installed System will remain in place on the account holder's premise for a minimum of ten (10) years.
- 4. The solar modules and inverters shall be new equipment and include a manufacturer's warranty of ten (10) years.
- 5. A retail electric account receiving service under 1(M) Residential Service will be eligible for a solar rebate not to exceed twenty-five kilowatts (25 KW) and all other service classification will be eligible for a solar rebate not to exceed one hundred fifty kilowatts (150 KW) of new or expanded capacity irrespective of the number of meters/service points associated with the account.
- 6. The System or expansion of an existing System must not become operational until after December 31, 2018 and must become operational on or before December 31, 2023.
- 7. The System shall meet all requirements of either: a) 20 CSR 4240-20.065 and Company's Electric Power Purchases from Qualified Net Metering Units tariff or b) 20 CSR-4240-20.060 and Company's Electric Power Purchase from Qualifying Facilities tariff.
- 8. The system must include a "Grid Support Utility Interactive Inverter" or inverters from Go Solar California's approved list.

DATE OF ISSUE _	August 1,	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

APPLYING TO	MIS	SOURI	SERVICE	AREA			
CAN	NCELLING MO.P.S.C. SCHEDULE NO.	6			Original	SHEET NO.	88.9
	MO.P.S.C. SCHEDULE NO.	6			1st Revised	SHEET NO.	88.9

THIS SHEET RESERVED FOR FUTURE USE

*Indicates Change.

APPLYING TO	MIS	SOURI	SERVICE .	AREA			
CA	ANCELLING MO.P.S.C. SCHEDULE NO	6			Original	SHEET NO.	88.10
	MO.P.S.C. SCHEDULE NO.	6			1st Revised	SHEET NO.	88.10

THIS SHEET RESERVED FOR FUTURE USE

*Indicates Change.

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET N	o. <u>88.11</u>
MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET N	o. <u>88.11</u>

THIS SHEET RESERVED FOR FUTURE USE

*Indicates Change.

APPLYING TO	MIS	SOURT	SERVICE AREA			
APPLYING TO	мте	COLIDA	SERVICE AREA			
C	ANCELLING MO.P.S.C. SCHEDULE NO.	6		Original	SHEET NO.	88.12
	MO.P.S.C. SCHEDULE NO.	6		1st Revised	SHEET NO.	88.12

THIS SHEET RESERVED FOR FUTURE USE

*Indicates Change.

APPLYING TO MISSOURI SERVICE AREA	
CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET N	. 88.13
MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET N	. 88.13

THIS SHEET RESERVED FOR FUTURE USE

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ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

ELECTRIC SERVICE

APPLYING TO) MIS	SSOURI	SERVICE	AREA				
	CANCELLING MO.P.S.C. SCHEDULE NO.	6			3rd	Revised	SHEET NO.	89.4
	MO.P.S.C. SCHEDULE NO.	6			4th	Revised	SHEET NO.	89.4

*RIDER CSP COMMUNITY SOLAR PROGRAM (Cont'd.)

SOLAR ENERGY RATES

Subject to the Program Provisions and Special Terms:

Residential Ser	vice 1(M)
Solar Generation Rate	\$ 0.XXXX
*Facilities Rate	\$ 0.0717
Community Solar Energy Rate	\$ 0.XXXX

Small General Service 2(M)		
Solar Generation Rate	\$ 0.XXXX	
*Facilities Rate	\$ 0.0592	
Community Solar Energy Rate	\$ 0.XXXX	

^{*} Indicates Change.

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	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

ELECTRIC SERVICE

APPLYING TO	MIS	SSOURI	SERVICE	AREA				
C	ANCELLING MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	91.19
	MO.P.S.C. SCHEDULE NO.	6			3rd	Revised	SHEET NO.	91.19

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:

	Service Classifications				
Month	1 (M) Res \$/kWh	2 (M) SGS \$/kWh			
January	0.05521	0.064573			
February	0.055026	0.062829			
March	0.056612	0.06567			
April	0.061033	0.074268			
May	0.062371	0.077683			
June	0.125638	0.11144			
July	0.125614	0.11144			
August	0.125588	0.11144			
September	0.125561	0.11144			
October	0.057742	0.070701			
November	0.06144	0.073331			
December	0.057789	0.069087			

	MISC./AIR COMP./ PROCESS/MOTORS				COOLING		EXT LIGHTING		
Month	3M	4M	11M	3M	4M	11M	3M	4M	11M
January	0.043217	0.043069	0.031634	0.045719	0.040834	0.023245	0.031944	0.030986	0.024778
February	0.043161	0.043462	0.030546	0.045679	0.040778	0.023245	0.031972	0.029586	0.024497
March	0.044393	0.043848	0.03188	0.047846	0.041718	0.023245	0.03265	0.029967	0.023463
April	0.044512	0.044957	0.035969	0.056479	0.052903	0.037422	0.033828	0.031128	0.025234
Мау	0.045636	0.0472	0.040008	0.061496	0.065532	0.062648	0.033091	0.030495	0.023604
June	0.088364	0.086482	0.063783	0.112404	0.114613	0.093786	0.056159	0.048767	0.026046
July	0.084939	0.082192	0.063554	0.104259	0.102165	0.075495	0.054323	0.047263	0.025387
August	0.085367	0.082877	0.062297	0.107037	0.107358	0.083072	0.053629	0.046982	0.026122
September	0.083409	0.08176	0.061559	0.111788	0.115004	0.096276	0.054504	0.047762	0.026029
October	0.044917	0.045592	0.040341	0.057931	0.058178	0.038979	0.032869	0.030225	0.023528
November	0.045875	0.046249	0.034981	0.057706	0.048206	0.023245	0.033368	0.030348	0.023269
December	0.044148	0.043084	0.032018	0.047159	0.043416	0.023245	0.032499	0.029857	0.023406

DATE OF ISSUE

August 1, 2022

DATE EFFECTIVE

September 3, 2022

ISSUED BY

Mark C. Birk

Chairman & President

NAME OF OFFICER

TITLE

SCHEDULE MWH-D1

^{*}Indicates Change.

APPLYING TO	MISS	SOURI	SERVICE	AREA			
CANCELLING	MO.P.S.C. SCHEDULE NO.	6		2nd	Revised	SHEET NO.	91.20
	MO.P.S.C. SCHEDULE NO.	6	_	3rd	Revised	SHEET NO.	91.20

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

* TD DETERMINATION (Cont'd.)

	HVAC/	BUILDING	SHELL		LIGHTING			REFRIG.	
Month	3M	4M	11M	3M	4M	11M	3M	4M	11M
January	0.047897	0.05031	0.036474	0.04548	0.045735	0.033146	0.041496	0.040853	0.030158
February	0.048479	0.049028	0.034562	0.045146	0.045761	0.031385	0.041349	0.041137	0.029281
March	0.050912	0.049778	0.034467	0.046646	0.046446	0.032878	0.042493	0.042576	0.031554
April	0.049151	0.047087	0.036608	0.047331	0.048826	0.039577	0.043203	0.04368	0.035433
May	0.052951	0.055853	0.050745	0.048374	0.050826	0.043459	0.043835	0.044798	0.037673
June	0.111232	0.113239	0.092417	0.094024	0.093103	0.07026	0.084277	0.081699	0.060074
July	0.103719	0.101571	0.07496	0.090289	0.08738	0.068197	0.080908	0.077434	0.056443
August	0.106323	0.106552	0.08231	0.090825	0.089039	0.066666	0.081435	0.07844	0.057036
September	0.106937	0.109329	0.090351	0.086007	0.084808	0.064742	0.079556	0.077238	0.056836
October	0.050691	0.051498	0.039198	0.047555	0.048954	0.04447	0.043176	0.04336	0.038009
November	0.051738	0.04981	0.042571	0.048175	0.049172	0.036471	0.04403	0.043977	0.032837
December	0.048458	0.048641	0.031206	0.045848	0.044931	0.032701	0.042403	0.040899	0.03085

		COOK.			DHW			HEAT.	
Month	3M	4M	11M	3M	4M	11M	3M	4M	11M
January	0.04471	0.043845	0.031303	0.044192	0.042485	0.030114	0.04418	0.047919	0.036475
February	0.044358	0.044595	0.030284	0.043641	0.043622	0.029258	0.044817	0.046674	0.034579
March	0.045696	0.046895	0.034282	0.044676	0.046055	0.033486	0.047145	0.047644	0.034844
April	0.047455	0.049146	0.040679	0.046792	0.048236	0.039591	0.046939	0.046815	0.041043
May	0.048057	0.050411	0.043084	0.047523	0.049706	0.042409	0.044708	0.046685	0.037916
June	0.095405	0.094718	0.072417	0.095294	0.094588	0.074825	0.055536	0.048037	0.025281
July	0.091413	0.088824	0.06347	0.091414	0.087471	0.060252	0.053735	0.046545	0.025281
August	0.092308	0.090715	0.066538	0.092217	0.090613	0.065618	0.053014	0.046286	0.025281
September	0.08909	0.088422	0.068517	0.087817	0.086929	0.066958	0.086267	0.085113	0.065061
October	0.047229	0.048529	0.043791	0.046719	0.047885	0.043753	0.044724	0.046241	0.042071
November	0.047881	0.049334	0.035017	0.047469	0.048652	0.033951	0.046652	0.045628	0.043531
December	0.045902	0.044358	0.033562	0.045554	0.043483	0.033218	0.044425	0.045507	0.03121

		OFFICE			VENT	
Month	3M	4M	11M	3M	4M	11M
January	0.043188	0.043405	0.032061	0.041452	0.041537	0.030684
February	0.042921	0.043128	0.030484	0.041326	0.040977	0.029321
March	0.044098	0.043553	0.031668	0.042488	0.041705	0.030371
April	0.044391	0.044853	0.035881	0.043424	0.043768	0.035314
May	0.045485	0.046989	0.039802	0.044234	0.045333	0.038174
June	0.086163	0.083908	0.061064	0.083739	0.081068	0.058429
July	0.082916	0.080038	0.062421	0.081174	0.078132	0.059997
August	0.08325	0.080489	0.060352	0.081489	0.078502	0.058581
September	0.080032	0.077797	0.057419	0.078871	0.076433	0.055994
October	0.044784	0.045423	0.040171	0.043577	0.043885	0.03849
November	0.04555	0.045622	0.034592	0.043783	0.04306	0.032332
December	0.043515	0.042403	0.031056	0.042629	0.041667	0.030644

^{*}Indicates Change.

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ELECTRIC SERVICE

APPLYING TO	MIS	SSOURI	SERVICE	AREA				
C	CANCELLING MO.P.S.C. SCHEDULE NO.	6			3rd	Revised	SHEET NO.	92.3
	MO.P.S.C. SCHEDULE NO.	6			4th	Revised	SHEET NO.	92.3

RIDER SSR STANDBY SERVICE RIDER (Cont'd.)

*STANDBY RATE			
	Large General Service	Small Primary Service	Large Primary Service
	Standby Fixed C	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	\$0.76/kW	\$0.76/kW	\$0.89/kW
Facilities Charge per month per kW of Contracted Standby Demand:			
Summer Winter	\$5.19/kW \$1.37/kW	\$4.29/kW \$0.99/kW	\$4.29/kW \$0.99/kW
Willer	Daily Standby Demand I		ψ0.557ΚΨ
Per kW of Daily Standby	Dany Standby Demand	Summer	
Service Demand: Back-Up Maintenance	\$0.04/kW \$0.02/kW	\$0.04/kW \$0.02/kW	\$1.22/kW \$0.61/kW
	Daily Standby Demand	Rate - Winter	
Per kW of Daily Standby Service Demand: Back-Up Maintenance	\$0.02/kW \$0.01/kW	\$0.02/kW \$0.01/kW	\$0.57/kW \$0.28/kW
	Back-Up Energy Charg	ges – Summer	
kWh in excess of Supplemental Contract Capacity Energy ⁽¹⁾ On-Peak Energy ⁽²⁾ Off-Peak Energy ⁽²⁾	11.76¢/kWh 12.90¢/kWh 11.11¢/kWh	11.41¢/kWh 12.25¢/kWh 10.93¢/kWh	3.98¢/kWh 4.62¢/kWh 3.63¢/kWh
	Back-Up Energy Char	ges – Winter	
kWh in excess of Supplemental Contract Capacity Energy ⁽¹⁾ On-Peak Energy ⁽²⁾ Off-Peak Energy ⁽²⁾	7.39¢/kWh 7.74¢/kWh 7.20¢/kWh	7.18¢/kWh 7.49¢/kWh 7.00¢/kWh	3.64¢/kWh 3.93¢/kWh 3.46¢/kWh
	High Voltage Facilities C	harge Discount	
Facilities Charge Credit per month per kW of Contracted Standby Demand			
@ 34.5 or 69kV @ 115kV or higher	N/A N/A	\$1.38/kW \$1.64/kW	\$1.38/kW \$1.64/kW

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ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
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Applicable to customers not on TOD rates.
 Applicable to customers on TOD rates for its non-back-up energy charges.

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6	_		1st Revised	SHEET NO.	103
CANCELLING MO.P.S.C. SCHEDULE NO.	6			Original	SHEET NO.	103
APPLYING TO MIS	SOURI	SERVICE A	AREA			

GENERAL RULES AND REGULATIONS

I. GENERAL PROVISIONS (Cont'd.)

G. CUSTOMER OBLIGATIONS

In applying for electric service from Company, and receiving such service thereafter, customer shall:

- Inform Company as to the size and characteristics of the load that is to be initially and thereafter served, the location of the premises, the date customer anticipates the need for said service and any special circumstances or conditions affecting the supply of electric service by Company.
- 2. When requested by Company, enter into a written contract which specifies the terms and conditions of the electric service being provided.
- 3. Furnish at no cost, upon Company's request, a right-of-way cleared of all trees or other obstructions for the extension of electrical supply facilities by Company. Said right-of-way easement, license or permit will grant Company continuing rights, thereafter, to trim trees and maintain the right-of-way in a condition which will not interfere with the delivery of electric service. In addition, any easements, licenses, or permits that may be deemed necessary by Company for such right-of-way shall be initially and thereafter furnished or paid for by customer.
- 4. Stake or establish the final grade of the route upon which the Company's electrical supply facilities will be located and stake or otherwise identify property boundaries, as required, prior to commencement of construction by Company.
- * 5. Install customer-owned equipment in a condition acceptable to and approved by the governmental inspection authority having jurisdiction in the territory in which the customer's premises is located or, where no authority exists, in accordance with Company's standards and the requirements of the current edition of the National Electrical Code, and following installation of Company's metering equipment, not break, remove or tamper with the security seal or other security device installed on customer-owned equipment by Company.
 - 6. At all reasonable hours permit properly authorized agents of Company (and if requested by Company, in the presence of customer or his authorized representative), free and safe access to customer's premises for the purpose of inspecting customer's appliances and installations, clearing faults affecting the proper supply of electric service, examining, repairing or removing Company's meters or other property, reading of meters, making connections, disconnections, or reconnections of service, or for any other purpose deemed necessary by Company.

*Indicates Change.

DATE OF ISSUE August 1, 2022 DATE EFFECTIVE September 3, 2022

ISSUED BY Mark C. Birk Chairman & President St. Louis, Missouri

NAME OF OFFICER TITLE SCHEDULE MWH-D1

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6	_		1st Revised	SHEET NO.	104
CANCELLING MO.P.S.C. SCHEDULE NO.	6	_		Original	SHEET NO.	104
APPLYING TO MIS	SOURI	SERVICE 2	AREA			

GENERAL RULES AND REGULATIONS

I. GENERAL PROVISIONS (Cont'd.)

G. CUSTOMER OBLIGATIONS (Cont'd.)

- 7. Be responsible for payment of all electric service used on customer's premises and for all requirements of the provisions of the Service Classification under which the electric service is provided, until such time as customer notifies Company to terminate service.
 - 8. Promptly notify and receive approval from Company of any significant changes in operation or equipment at customer's premises which might endanger or affect the proper functioning, or require modification, of Company's metering or other electrical supply facilities used in providing service to customer or cause a condition where such facilities would not comply with applicable laws, ordinances or codes.
 - 9. Be responsible for any damage, alteration or interference with Company metering or other electrical supply facilities on customer's premises, by customer or any other party on such premises, whether authorized or unauthorized by customer.
 - 10. Pay to Company the cost of any change or relocation of Company's service facilities or distribution system on or adjacent to customer's premises occasioned by significant changes at customer's premises in order to comply with proper operational requirements, clearance and other requirements of applicable laws, ordinances or codes.
 - 11. Pay to Company the cost of any repairs, replacement, rerouting or relocation of any Company facilities necessitated by customer's negligence or failure to properly comply with any of the above obligations.

H. POWER FACTOR REQUIREMENTS

The Company's rates applicable to all customers are based upon a required average power factor of not less than 90% lagging during all periods of normal operation. Customer shall install corrective equipment necessary to meet this requirement on its side of the Company's meter. Such equipment shall be controlled and maintained by customer in order to avoid a leading power factor at any time and to avoid high voltage conditions during periods of light load. To enforce this power factor requirement, Company will install appropriate metering equipment for the monthly billing of a kilovar reactive charge as applicable for all Primary Service Rate customers. For all customers receiving service under other rate schedules, not voluntarily complying with this power factor requirement, Company may, where practical, 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.

*Indicates Reissue.

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ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

ELECTRIC SERVICE

APPLYING TO MISSOURI SERVICE AREA		
CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHE	EET NO. 110	j
MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHE	EET NO110	ı

GENERAL RULES AND REGULATIONS II. CHARACTERISTICS OF SERVICE SUPPLIED (Cont'd.)

I. SERVICE TO DOWNTOWN ST. LOUIS UNDERGROUND DISTRICT (Cont'd.)

Where in Company's judgement it is impractical or inadvisable to supply a customer's new or increased load from the gridded or spot networks, customer will be required to provide at no cost to the Company an indoor substation room at or one level below grade, constructed in accordance with Company's specifications, and transfer all electrical load to the new connection point. In such instances requiring an indoor substation, customer may, with the Company's approval, accept responsibility for all excess costs incurred by Company in continuing to provide all or a portion of customer's service from the gridded network solely for customer's benefit.

* J. NON-STANDARD SERVICE

Changes in business practices and regulatory and legal requirements will, from time to time, result in the Company serving or billing a limited number of customers in a manner that is currently considered a non-standard form of service. Such non-standard service includes, but is not limited to, voltages, frequencies, metering equipment, metering locations, electrical distribution system supply facilities and configurations, and master and cumulated meter billing situations that are prohibited by current Commission rules and Company tariffs for application to new customers. The continued provision of such non-standard service and billing is limited to the premises presently served by such facilities. These facilities may only be relocated, expanded or enhanced for Company's engineering reasons.

In order to minimize and phase out the number of non-standard service installations and billing applications on its system, Company will, unless otherwise provided for above, discontinue providing any such non-standard service to a premises when the premises is remodeled or rehabilitated in any such manner that requires new, modified, enhanced or relocated electrical distribution supply facilities from the Company.

*Indicates Change.

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ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

ELECTRIC SERVICE

APPLYING TO _	MIS	SOURI	SERVICE	AREA				
C	ANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	115
	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	115

GENERAL RULES AND REGULATIONS III. DISTRIBUTION SYSTEM EXTENSIONS (Cont'd.)

G. OVERHEAD EXTENSIONS TO RESIDENTIAL SUBDIVISIONS (Cont'd.)

Single-Family Residences (Cont'd)

overhead distribution cost per lot with the annual net revenue per lot estimated to be received from the additional homes within the subdivision having been connected with electric service and permanently occupied for residential dwelling purposes, after receiving notification of such connections from Customer/developer. Any estimated annual net revenue per lot, from homes added during each review period, in excess of Company's standard per lot overhead costs shall be refunded, without interest, to Customer/developer up to the total amount of the advance deposit actually made by Customer/developer. Such refunds will be made at semi-annual intervals from the date the deposit was received by Company, with any amounts remaining unrefunded after five years being retained by Company and credited to the Company's appropriate plant account.

a. Large Lot Subdivisions

In addition to meeting the criteria described in this section Overhead Extensions To Residential Subdivisions above, in subdivisions where the average lot size exceeds 100,000 square feet, the Company will assess excess per lot footage charges for the amount that the average frontage footage exceeds 500 feet. In addition, for developments where the average lot size exceeds 100,000 square feet, the Company will also assess excess footage charges on individual lots for overhead services of more than a single span or underground services of more than 250 feet. Said charges will be payable in advance of construction and not be subject to refund.

2. Multiple Occupancy Dwellings

Multiple occupancy buildings consist of structures which stand alone, enclosed with exterior walls or are segregated from adjoining structures by fire walls, and are designed for permanent occupancy as two or more single-family residences. Extensions to subdivisions consisting of multiple occupancy dwellings shall be made in accordance with the provisions of this section G, applicable to single-family residences, utilizing an allowance of 50 feet per dwelling unit for distribution facilities beyond the subdivision boundaries, and applying a 0.60 occupancy factor to the annual net revenue estimated to be received from each multiple occupancy dwelling unit.

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	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6		2nd	Revised	SHEET NO.	123
CANCELLING MO.P.S.C. SCHEDULE NO.	6		1st	Revised	SHEET NO.	123
APPLYING TO MIS	SSOURI	SERVICE AREA				

GENERAL RULES AND REGULATIONS III. DISTRIBUTION SYSTEM EXTENSIONS (Cont'd.)

N. SPECIAL FACILITIES

1. General

Where Customer requests and Company agrees to install distribution facilities not normally contemplated for installation, or otherwise provided for, under Company's standard rate schedules, Company may at its option provide such facilities under the provisions of this section. Examples of facilities which fall into this category of "special" include, but are not limited to, duplicate or additional service facilities, excess transformer capacity or other distribution facilities, and facilities necessitated by special legal or engineering requirements.

* 2. Payments by Customer

Where Company agrees to supply distribution facilities under the provisions of Special Facilities in lieu of other alternatives available to Customer, Customer shall pay to Company a one-time contribution equal to the total additional costs incurred by Company in supplying such facilities. Customer shall also pay to Company an additional one-time contribution equal to ninety percent of such total additional costs for the present value of the Company's projected operations, maintenance and subsequent replacement cost of such facilities, which shall be continuously owned and maintained by Company. All charges payable to Company shall be non-refundable and due in advance of construction. Such payments by Customer shall be in addition to any payments required for electric facilities provided under the Company's standard line extension rules or other tariff charges.

3. Supply and Billing Standards

Company will designate the point of delivery of electric service relative to the installation of any additional facilities provided to Customer hereunder and the service supplied through such 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. When total or partial replacement of any special facility installation is required, such revision will be made by Company at no cost to Customer. Any enlargement of such previously installed facilities requested by Customer shall be made in accordance with Company's standard line extension rules. Following any such replacement, or enlargement, all separately installed special facility connections shall be billed as provided herein without application of monthly special facility charges, and maintained by Company in the same manner as Company's standard line extension facilities serving other Customers.

*Indicates Change.

DATE OF ISSUE

August 1, 2022

DATE EFFECTIVE

September 3, 2022

ISSUED BY

Mark C. Birk

Chairman & President

NAME OF OFFICER

TITLE

SCHEDULE MWH-D1

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6			2nd Revised	SHEET NO.	134
CANCELLING MO.P.S.C. SCHEDULE NO	6			1st Revised	SHEET NO.	134
APPLYING TO MISS	SOURI	SERVICE	AREA			

GENERAL RULES AND REGULATIONS V. BILLING PRACTICES (Cont'd.)

G. BILLING ADJUSTMENTS (Cont'd.)

- Non-Residential (Cont'd.)
 - f. No corrections to metering data for meter error shall extend beyond the in-service date of the meter discovered to be in error, nor shall any correction be required to extend beyond the date upon which the current customer first occupied the premises at which the error is discovered.

H. CHANGE OF RATE

- The rate selected by customer and specified by contract for service (if a written contract is required) shall be applied to customer's account for a period of not less than one year unless customer elects to transfer to a different rate during the first ninety (90) days of service. If so elected, the new rate shall be applied retroactively to the commencement date of customer's service.
- 2. Upon completion of the initial term of use of service under any rate, customer may select any other applicable rate and the rate so selected shall apply for a period of not less than that specified in the term of use of such selected rate.
- 3. Selection of rate shall be the obligation of the customer. A new rate when selected under and subject to the provisions set forth above, or subject to the provisions of the residential service tariffs, will be placed in effect in the billing period following receipt of customer's request therefore.
- 4. Where a customer's load is abnormally affected during temporary periods of construction, alteration, preliminary or experimental operations, fire, or acts of God, Company may, upon prior agreement with customer, adjust or modify its billing or other charges otherwise applicable during the current or succeeding months in consideration of the particular circumstances in each such case.
- * 5. Where abnormal and significant reductions in customer's operations occur due to events such as production curtailments, plant alteration, labor stoppages, fires or other acts of God, etc. which reduce customer's monthly billing demand below 100 kilowatts, customer may transfer to the Small General Service Rate for all billing periods subsequent to the initial billing period under such abnormal operation, following Company's receipt of written request for such change from customer. During such billing periods under the Small General Service Rate, any billing discounts under Riders B and C shall not apply. Under this scenario the customer is not eligible for the Optional rates.
 - 6. Customers will not be permitted to evade the intent of the provisions of this paragraph H by temporarily terminating service.
- 7. As it relates to Residential Service only items 3 and 6 above will apply.

*Indicates Change.

DATE OF ISSUE _	August 1,	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDULE MWH-D1

ELECTRIC SERVICE

APPLYING TO	o	SSOURI	SERVICE	AREA				
	CANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	137
	MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	137

GENERAL RULES AND REGULATIONS V. BILLING PRACTICES (Cont'd.)

K. RENT INCLUSION (Cont'd.)

- For that portion of electricity used in central space heating, central hot water heating, central ventilating, and central air conditioning systems, or
- 5. For buildings or mobile home parks where alternative renewable energy resources are utilized in connection with central space heating, central hot water heating, central ventilating, and central air conditioning systems.
- 6. For all portions of electricity in commercial units in buildings with central space heating, ventilating and air conditioning systems.
- * Any person or entity affected by the provisions of this Section Rent Inclusion may file an application with the Commission seeking a variance from all or parts of such provisions for good cause shown, pursuant to the Commission's rules applicable thereto.

Nursing homes, as referenced in (1.) above, shall include all facilities licensed by the State of Missouri Department of Social Services Division of Aging. Central space heating, water heating and air conditioning systems referred to in (4.) above shall include those systems employing individual heating/cooling units interconnected with centralized heating/cooling sources by means of a central piping system containing water or other fluids suitable for such purposes.

L. RESALE OF SERVICE

The furnishing of metered electric service by a customer of Company to a third party for a specific identifiable charge based upon such metered consumption is prohibited except where such practice originated prior to July 24, 1958. Where such practice has continued since July 24, 1958, the charge for electric service from customer to a third party shall not exceed the charge which would result from the application of Company's appropriate rate, contained herein, for comparable electric service.

For such exceptions, the practice of resale shall be discontinued when such premises are remodeled, rebuilt or replaced.

The provision of electric vehicle charging service is not prohibited by this tariff.

*Indicates Change.

DATE OF ISSUE _	August 1,	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDUI E MWH-D1

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6	_		5th	Revised	SHEET NO.	138
CANCELLING MO.P.S.C. SCHEDULE NO.	6			4th	Revised	SHEET NO.	138
APPLYING TO MIS	SSOURI	SERVICE 2	AREA				

GENERAL RULES AND REGULATIONS V. BILLING PRACTICES (Cont'd.)

*M. PARTIAL PAYMENTS

If a partial payment is made on a billing including only current charges, the Company shall first credit the payment to the balance outstanding for utility charges before crediting a deposit. If a partial payment is made on a billing which includes a previous balance, the Company will credit the payment first to previous utility charges, then to previous deposit requirements before applying any payment to current charges. No portion of any payment will be applied to special charges until all utility charges are paid in full and all required deposits have been made. (This section reflects a variance from Rule 20 CSR 4240-13.020(11) granted by the Commission in Case No. EO-98-263.)

*N. PAPERLESS BILLING

Residential customers who enroll in paperless billing for the first time prior to July 1, 2023, are not currently enrolled in paperless billing, and have not received paperless billing in the past, will receive credit on their monthly bill for a term not to exceed a one-year period. Upon enrollment, the credit will be applied beginning with the Customer's next available billing month. The available monthly credit for qualifying enrollees is listed on Sheet No. 63, Miscellaneous Charges.

*O. PREFERRED DUE DATE SELECTION

Customers receiving service under Service Classification 2M - Small General Service Rate or residential service under any of the Service Classification 1M options may select the date their bill will become due provided their service is equipped with an advanced meter reading device. If the customer's preferred date is not available, they will be given the option of selecting a different due date or retaining their existing due date.

Customer's selected due date will become effective no later than the second bill issued after customer's selection and cannot be implemented for bills already issued.

The first bill issued following implementation of a due date selected by customer may result in a bill period that is either longer or shorter than normal and may also be prorated.

Customer may not make a due date selection more frequently than once every 12 months except by Company approval. (This section reflects a variance from Rules 20 CSR 4240-13.015(1) (C) and 20 CSR 4240-13.020(6) granted by Commission in Case EE-2019-0385.)

*Indicates Change.

DATE OF ISSUE

August 1, 2022

DATE EFFECTIVE

September 3, 2022

ISSUED BY

Mark C. Birk

Chairman & President

NAME OF OFFICER

TITLE

SCHEDULE MWH-D1

UNION ELECTRIC COMPANY ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6			2nd	Revised	SHEET NO.	158.4
CANCELLING MO.P.S.C. SCHEDULE NO.	6			1st	Revised	SHEET NO.	158.4
APPLYING TO MIS	SOURI	SERVICE	AREA				

SOLAR BLOCK MONTHLY CHARGES

Subject to the Program Provisions and Special Terms set forth below:

 $\underline{\texttt{Solar Block Charges for a 100 kWh Block}}$

Service Classification	$\frac{\underline{\mathtt{Residential}}}{\underline{\underline{\mathtt{Service}}}}$	Small General Service 2(M)
Solar Generation Charge	\$ 8.51	\$ 8.51
*Total Facilities Charge	\$ 3.71	\$ 2.77
*Total Solar Block Charge	\$ 12.22	\$ 11.28

^{*}Indicates Change.

DATE OF ISSUE	August 1,	2022 DATE EFFECTIVE	September 3, 2022
ISSUED BY	Mark C. Birk	Chairman & President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	SCHEDINE MAKE D1

Mo Electric 12 Months Ending March 2022

Residential
Small General Service
Large General Service
Small Primary Service
Large Primary Service
Lighting Company Owned
Lighting Customer Owned
MSD
Total Revenue

	Rev Neutral	Rev Neutral Adj	RR Adjustment	*Actual Base		Actual
Total Revenue	Adjustment	Revenue	Amount	Revenues	**Total Revenues	Percent
\$1,373,009,870	\$0.00	\$1,371,020,788	\$159,396,151	\$1,530,839,059	\$1,532,828,141	11.64%
\$305,241,746	\$0.00	\$304,929,163	\$35,451,348	\$340,468,201	\$340,780,784	11.64%
\$556,603,250	\$0.00	\$556,338,795	\$64,680,465	\$621,263,333	\$621,048,655	11.58%
\$234,883,908	\$0.00	\$234,867,469	\$27,305,910	\$262,140,008	\$261,957,847	11.53%
\$205,820,662	\$0.00	\$205,653,593	\$23,909,478	\$229,584,351	\$229,674,179	11.59%
\$39,010,796	-\$60,000	\$38,950,796	\$4,528,456	\$43,492,351	\$43,492,351	***11.49%
\$2,933,113	\$60,000	\$2,993,113	\$347,982	\$3,341,139	\$3,341,139	***13.91%
\$81,564	\$0.00	\$81,564	\$9,483	\$91,084	\$91,084	11.67%
\$2,717,584,907	\$0	\$2,714,835,281	\$315,629,273	\$3,031,219,526	\$3,033,214,179	11.61%

^{*}Actual Revenues adjust for rounding in the final rates

^{**}Total Revenues add back Low Income, EDI, and Community Solar Generation Charge Revenuee

^{**}Combined Lighting Actual Percent is 11.66%

Residential Class - Anytime

	Billing Units	Rounded Proposed Rates	Target Revenue
Customer Charge Summer Bills Low Income Charge	9,954,036 9,954,036	13.00 0.14	\$129,402,468 \$1,393,565
Energy Charge Summer kWh	3,660,879,383	0.1409	\$515,817,905
Winter kWh First 750 kWh Over 750 kWh	3,785,376,775 3,004,106,797	0.0957 0.0642	\$362,260,557 \$192,863,656
CS Faciliites Rate	15578	0.0371	\$57,794
		Total	\$1,201,795,945

Residential Class - Evening Morning

•	Billing Units	Rounded Proposed Rates	Target Revenue
	billing Offics	Proposed Nates	raiget Nevellue
Customer Charge			
Summer Bills	3,044,844	13.00	\$39,582,972
Low Income Charge	3,044,844	0.14	\$426,278
Energy Charge			
Summer kWh	1,080,351,268	0.1370	\$148,008,124
On-pk Adjustment	687,214,669	0.0050	\$3,436,073
Winter kWh			
First 750 kWh	968,749,892	0.0941	\$91,159,365
Over 750 kWh	718,980,506	0.0627	\$45,080,078
On-pk Adjustment	850,952,218	0.0025	\$2,127,381
		Total	\$329,820,270

Overnight Savers Service (AMI or AMR TOU)

	Rounded		
-	Billing Units	Proposed Rates	Target Revenue
Customer Charge Monthly Incremental AMR Charge Low Income	4188 0 4188	13.00 1.50 0.14	\$54,444 \$0 \$586
Summer On peak energy charge Off peak energy charge	1033756 529237	0.1651 0.0658	\$170,673 \$34,824
Non summer On peak energy charge Off peak energy charge	1409379 764535	0.0929 0.0567	\$130,931 \$43,349
Option B First 750 kWh Over 750 kWh	121353 77520	0.0957 0.0642	\$11,613 \$4,977
		Total	\$451,398

Smart Savers Service (AMI TOU)

		Rounded	
-	Billing Units	Proposed Rates	Target Revenue
Customer Charge Monthly Low Income	2448 2448	11.00 0.14	\$26,928 \$343
Summer On_peak energy charge Intermediate energy charge Off_peak energy charge	126148 466119 263132	0.37 0.11 0.07	\$46,927 \$52,066 \$18,577
Non summer On₋peak energy charge Intermediate energy charge Off peak energy charge	107252 546326 321662	0.20 0.07 0.06	\$21,354 \$39,062 \$18,753
Option B First 750 kWh Over 750 kWh	207014 121244	0.10 0.06	\$19,811 \$7,784
		Total	\$251,605

Ultimate Savers Service (AMI TOU)

		Rounded	
-	Billing Units	Proposed Rates	Target Revenue
Customer Charge Monthly	2124	9.00	\$19,116
Low Income	2124	0.14	\$297
Demand Charge			
Summer	3811	8.69	\$33,118
Non-Summer	7592	3.59	\$27,255
Energy Charge Summer			
On peak energy charge	109096	0.32	\$34,856
Off_peak energy charge Non summer	779916	0.05	\$42,193
On peak energy charge	135752	0.17	\$23,580
Off peak energy charge	1088514	0.05	\$51,922
		Total	\$232,339

TOD Rate(no new installs; phasing out w/ AMI)

	Rounded		
	Billing Units	Proposed Rates	Target Revenue
Customer Charge TOD Low Income Charge	600 600	11.00 0.14	\$6,600 \$84
Energy Charge Summer kWh On-peak Off-peak	58125 306369	0.38 0.09	\$22,099 \$27,359
Winter kWh First 750 kWh Over 750 kWh	366873 271094	0.10 0.06	\$35,110 \$17,404
		Total	\$108,656

Small General Service Class

	D.III. 11.11	Rounded	-
	Billing Units	Proposed Rates	Target Revenue
Customer Charge			
One-phase	1,159,732	\$12.65	\$14,670,609
Three-phase	470,409	\$24.21	\$11,388,603
Limited Unmetered Service	86,410	\$6.71	\$579,808
TOD Bills			
One-phase	17,259	\$24.25	\$418,528
Three-phase	1,903	\$47.36	\$90,115
Low Income Charge	1,735,712	\$0.18	\$312,428
Energy Charge			
Summer kWh	1,077,841,333	\$0.1267	\$136,562,497
On-peak	15,504,866	\$0.1883	\$2,919,566
Off-peak	27,044,761	\$0.0768	\$2,077,038
Winter kWh			
Base	1,454,197,437	\$0.0947	\$137,712,497
Seasonal	497,608,264	\$0.0545	\$27,119,650
On-peak	29,835,678	\$0.1240	\$3,699,624
Off-peak	54,771,506	\$0.0566	\$3,100,067
Cellnet Rate	2,321,846	\$0.0558	\$129,559
CS Facilities Rate	14	\$0.0277	\$40
		Total	\$340,780,630

Large General Service

	Rounded	
Billing Units	Proposed Rates	Target Revenue
127,788	114.69	\$14,656,006
588	135.77	\$79,833
128,376	2.06	\$264,455
7,902,810	6.55	\$51,763,405
·	2.43	\$35,493,350
,, -	-	ų , , , ,
1 032 265 372	0 1176	\$121,394,408
		\$99,365,713
		\$27,862,574
·		\$77,014
·		-\$80,210
12,540,050	(0.0003)	-ψ00,210
1 654 427 602	0 0730	\$122,262,200
		\$96,286,016
		\$31,600,063
• •		\$20,506,306
		· · · · ·
• •		\$42,560
24,158,992	(0.0019)	-\$45,902
7 007 757 505		
1,231,131,535		
	Total	¢621 527 788
	588	127,788 114.69 588 135.77 128,376 2.06 7,902,810 6.55 14,606,317 2.43 1,032,265,372 0.1176 1,122,776,418 0.0885 468,278,551 0.0595 6,755,603 0.0114 12,340,030 (0.0065) 1,654,427,602 0.0739 1,753,843,635 0.0549 731,482,950 0.0432 474,683,007 0.0432 12,159,941 0.0035 24,158,992 (0.0019) 7,237,757,535

Total **\$621,527,788**

Small Primary Service

•		Rounded	
	Billing Units	Proposed Rates	Target Revenue
Customer Charge	_	-	_
Standard	7,768	392.92	\$3,052,203
TOD	212	414.00	\$87,768
Low Income Charge	7,980	2.06	\$16,439
zew meeme enarge	7,000	2.00	ψ10,100
Demand Charge (kW)			
Summer	2,821,207	5.65	\$15,939,818
Winter	5,099,765	2.05	\$10,454,519
Energy Charge			
Summer kWh			
First 150HU	407,964,922	0.1141	\$46,548,798
Next 200HU	490,765,290	0.0858	\$42,107,662
Over 350HU	369,958,303	0.0577	\$21,346,594
On-peak	1,014,139	0.0084	\$8,519
Off-peak	1,868,929	(0.0048)	-\$8,971
Winter kWh			
First 150HU	656,710,366	0.0718	\$47,151,804
Next 200HU	794,119,585	0.0534	\$42,405,986
Over 350HU	598,327,588	0.0417	\$24,950,260
Seasonal Energy	208,947,493	0.0417	\$8,713,110
On-peak	1,898,010	0.0031	\$5,884
Off-peak	3,574,293	(0.0018)	-\$6,434
Reactive Charge	1,280,800	0.42	\$537,936
Rider B			
115 kV	5,926	(1.64)	-\$9,718
69 kV	830,239	(1.38)	-\$1,145,730

Total **\$262,156,446**

Large Primary Service

Large I filliary octoice		Rounded	
	Billing Units	Proposed Rates	Target Revenue
Customer Charge Bills TOD	696 60	392.92 414.00	\$273,472 \$24,840
Low Income Charge	756	220.99	\$167,068
Demand Charge (kW)	0.040.045	00.44	#54.400.040
Summer	2,312,245	23.44	\$54,199,013
Winter	4,270,692	10.42	\$44,500,605
Energy Charge Summer kWh Energy	1,276,221,362	0.0398	\$50,793,610
On Peak	42,073,854	0.0064	\$269,273
Off-Peak	85,081,406	(0.0035)	-\$297,785
Winter kWh	0	-	\$0
Energy	2,279,796,293	0.0364	\$82,984,585
On Peak	70,591,292	0.0029	\$204,715
Off-Peak	140,364,801	(0.0018)	-\$252,657
Total kWh	3,556,017,655		
Reactive Charge Rider B	293,781	0.42	\$123,388
115 kV	655,042	(1.64)	-\$1,074,270
69 kV	1,568,434	(1.38)	-\$2,164,439
	, ,	(100)	Ţ , - , - O

Total **\$229,751,420**

Company Owned Lighting 5141			
Description	Count	Proposed Rates	Target Revenue
Mounted LED - 100 W Equiv	81,507	11.91	\$11,648,980
Mounted LED - 250 W Equiv	12,435	19.23	\$2,869,501
Mounted LED - 400 W Equiv	2,050	35.30	\$868,380
Horizontal - enclosed on wood	4,057	14.75	\$718,089
Horizontal - enclosed on wood	4,164	20.38	\$1,018,348
Horizontal - enclosed on wood	1,077	36.83	\$475,991
Horizontal - enclosed on wood	3,190	14.16	\$542,045
Horizontal - enclosed on wood	1,594	19.39	\$370,892
Horizontal - enclosed on wood	42	32.72	\$16,491
LED directional flood	3,093	25.02	\$928,642
LED directional flood	3,645	40.11	\$1,754,411
LED directional flood	573	79.95	\$549,736
LED post-top - 17 foot post	14,556	26.43	\$4,616,581
Open bottom on existing wood	43	12.14	\$6,264
Open bottom on existing wood	10,124	12.14	\$1,573,270
Open bottom on existing wood	967	11.75	\$1,373,270
Open bottom on existing wood	5,203	12.36	\$771,709
Open bottom on existing wood	3,203	12.30	\$771,709
Post top including 17 foot post	33,942	27.69	\$11,278,248
Post top including 17 foot post	77	26.07	\$24,089
Post top including 17 foot post	6,432	27.09	\$2,090,915
Directional	2,193	26.48	\$696,848
Directional	2,243	41.89	\$1,127,511
Directional	2,569	25.49	\$785,806
Directional	324	82.78	\$321,849
Directional	192	25.45	\$58,637
Directional	6	37.78	\$2,720
Prior to April 9, 1986			4 -
11,000 Lmns, MV, Open Bottom	82	11.77	\$11,582
140,000 Lmns, H.P. Sodium, Dir	3	83.47	\$3,005
		Total	\$45,266,885

Customer Owned Lighting 6M

Customer Owned Lighting 61vi			
Description	Count	Rounded Proposed	Target Revenue
Metered service	18,977	8.83	\$167,567
Energy charge (per kWh)	40,612,468	0.0558	\$2,266,176
9500 HPS Enrg&Maint	8,264	4.65	\$461,131
25500 HPS Enrg&Maint	676	7.98	\$64,734
50000 HPS Enrg&Maint	63	11.44	\$8,649
5500 MH Enrg&Maint	169	6.79	\$13,770
12900 MH Enrg&Maint	53	8.04	\$5,113
3300 MV Enrg&Maint	3	4.65	\$167
6800 MV Enrg&Maint	1,385	5.98	\$99,388
11000 MV Enrg&Maint	26	8.09	\$2,524
20000 MV Enrg&Maint	38	10.63	\$4,847
54000 MV Enrg&Maint	4	22.56	\$1,083
9500 HPS Enrgy Only	116	2.16	\$3,007
25500 HPS Enrgy Only	26	5.55	\$1,732
50000 HPS Enrgy Only	1	8.72	\$105
3300 MV Enrgy Only	84	2.30	\$2,318
6800 MV Enrgy Only	121	3.74	\$5,430
11000 MV Energy Only	24	5.32	\$1,532
20000 MV Energy Only	90	8.21	\$8,867
54000 MV Energy Only	11	19.56	\$2,582
25W LED Energy Only	2	0.47	\$11
26W LED Energy Only	39	0.49	\$229
27W LED Energy Only	10	0.51	\$61
36W LED Energy Only	43	0.68	\$351
40W LED Energy Only	25	0.76	\$228
44W LED Energy Only	1	0.83	\$10
45W LED Energy Only	47	0.85	\$479
54W LED Energy Only	33	1.02	\$404
57W LED Energy Only	7	1.08	\$91
60W LED Energy Only	4	1.13	\$54
70W LED Energy Only	13	1.32	\$206
72W LED Energy Only	19	1.36	\$310
75W LED Energy Only	182	1.42	\$3,101
85W LED Energy Only	50	1.61	\$966
100W LED Energy Only	46	1.89	\$1,043
162W LED Energy Only	8	3.06	\$294
180W LED Energy Only	9	3.40	\$367
196W LED Energy Only	28	3.70	\$1,243
6M Ltd LED 100 W EQ	9,781	3.50	\$410,802
6M Ltd LED 250 W EQ	106	4.53	\$5,762
6M Ltd LED 400 W EQ	9	8.01	\$865

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Total

\$3,547,601

MSD Horsepower Service

Connected	Proposed		
Horsepower	Rate	Per Month	Annual
36,900.0	0.2057	\$7,590	\$91,084

BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

d/b/a Ameren Missouri's Tariffs to Adjust Its Revenues for Electric Service.) Case No. ER-2022-0337			
AFFIDAVIT OF MICHAEL W. HARDING				
STATE OF MISSOURI)) ss CITY OF ST. LOUIS)				
MICHAEL W. HARDING, being first duly s	worn states:			
My name is Michael W. Harding, an	nd on my oath declare that I am of sound mind and			
lawful age; that I have prepared the foregoing	g Direct Testimony; and further, under the penalty of			
perjury, that the same is true and correct to th	ne best of my knowledge and belief.			
	/s/ Michael W. Harding Michael W. Harding			

Sworn to me this 1st day of August, 2022.