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Sponsoring Party: Union Electric Company
File No.: ER-2024-0319
Date Testimony Prepared: June 28, 2024

MISSOURI PUBLIC SERVICE COMMISSION

FILE NO. ER-2024-0319

DIRECT TESTIMONY

OF

MICHAEL W. HARDING

ON

BEHALF OF

UNION ELECTRIC COMPANY

D/B/A AMEREN MISSOURI

**St. Louis, Missouri
June, 2024**

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DIRECT TESTIMONY
OF
MICHAEL W. HARDING
FILE NO. ER-2024-0319

I. INTRODUCTION

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Q. Please state your name and business address.

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

Q. What is your position with Ameren Missouri?

A. I am employed as Manager of Rates & Analysis within the Regulatory Affairs department.

Q. Please describe your educational background and employment experience.

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

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II. PURPOSE OF TESTIMONY

Q. What is the purpose of your direct testimony?

A. The purpose of my direct testimony is to identify, describe, and explain the reasoning for all miscellaneous non-rate tariff changes that have been filed as a part of this case. Additionally, I summarize actions taken by the Company in response to the Commission's order in File No. EC-2023-0395.

III. MICELLANEOUS TARIFF CHANGES

Q. What are the proposed changes to non-rate tariffs in this case?

A. Redlines of the proposed language changes have been provided in Schedule MWH-D1 attached to my testimony as a descriptive reference to the explanations below. I summarize the modified sheets by section, list the sheet numbers, and explain the reason for each change below:

RIDERS

Sheets 71.16-71.31 – Rider FAC

Consistent with past practice, the Company is proposing to update the header language on Rider FAC tariff sheets 71.16 through 71.30 to clearly indicate that this version of the Fuel Adjustment Clause rider is only applicable for service provided between February 28, 2022 and the day before the effective date of the new revised Rider FAC tariff sheets being issued to initiate this rate review as tariff sheets 72.1 through 72.14. This language change does not modify any of the existing terms, conditions or calculations under the current Rider FAC tariff sheets 71.16-71.30. Rather, it simply provides

1 transparency that this tariff series will no longer be in effect once the new revised Rider
2 FAC tariff sheets 72.1-72.14 become effective.

3 Sheets 72-72.14 – Rider FAC

4 The proposed changes to Rider FAC Sheets 72-72.14 remove the Rate Adjustment
5 Cap ("RAC") provisions that were previously included to comply with statutory rate caps
6 imposed by Missouri law. These legal provisions imposed limits on the level of rate
7 increases that could be implemented through this fuel adjustment clause mechanism.
8 However, these statutory rate caps are no longer in effect due to amendments to the relevant
9 statute passed by the General Assembly in 2022. Therefore, it is appropriate to update Rider
10 FAC by removing the RAC calculations and related language.

11 Sheets 88-88.1 – Rider SR

12 The company is proposing to eliminate Rider SR - Solar Rebate 2019-2023 from
13 its tariffs. This rider established a solar rebate program as mandated by Section 393.1670
14 of the Revised Statutes of Missouri ("RSMo"). The program provided rebates for
15 qualifying customer-owned solar electric systems that became operational between
16 January 1, 2019 and December 31, 2023.

17 As clearly stated in the tariff provisions, the Solar Rebate program had a defined
18 timeframe, with December 31, 2023, set as the expiration date. The tariff explicitly
19 specified that any systems seeking rebates must have become operational on or before this
20 date. Now that the 2019-2023 program period has concluded and the December 31, 2023,
21 operational deadline has passed, the Solar Rebate program has reached its end date per the
22 terms outlined in Rider SR. There are no provisions to continue offering solar rebates under

1 this program beyond 2023. Therefore, Ameren Missouri is proposing to remove Rider SR
2 in its entirety from its tariff schedules, as the program has successfully fulfilled its
3 legislatively mandated purpose during the designated 2019-2023 timeframe. Eliminating
4 this expired rider will ensure transparency and clarity in the Company's tariffs regarding
5 currently available programs and offerings.

6 **GENERAL RULES AND REGULATIONS**

7 Sheet 98 – I. General Provisions, B. Definitions, 20. Non-standard Meter

8 A new definition for "Non-Standard Meter" has been added to tariff Sheet 98 to
9 differentiate between the Company's standard metering technology, that enables remote
10 communication of meter readings, and non-standard meters that lack such capabilities and
11 require on-site manual reading. The intent of this addition is to provide transparency around
12 the Company's metering classifications and the distinctions in meter reading methods for
13 customer premises with non-standard meters compared to those with standard AMI or
14 AMR meters.

15 Tariff Sheets 99 through 101 have been revised to update the sheet numbering
16 sequence because of modifications made to the preceding tariff Sheet 98. No substantive
17 changes were made to the terms or conditions contained in tariff Sheets 99, 100, and 101.

18

19 Sheet 129 – IV. Measurement of Service, E. Remote Meter Reading Opt-out

20 This revised tariff language removes the option for customers to be automatically
21 enrolled in non-standard metered service if the customer denies the Company reasonable
22 access for mandatory meter installation or replacement. Due to the ongoing cost (resulting

1 in an additional monthly charge to the customer) associated with non-standard meters, our
2 current operational practice is to pursue disconnection, following proper notification
3 procedures, rather than implementing non-standard metering in such denial of access
4 situations. This change aligns the tariff with the Commission-approved Company
5 deployment of advanced metering technology.

6

7 Sheet 139 – VI. Deposit Practices, A. Residential Customers, l.c.

8 This section has been revised to remove the requirement that an applicant must not
9 have had service with the Company within the past 5 years before their EAER credit score
10 can be utilized for deposit determination. This change allows the Company to consistently
11 evaluate all new service applicants' credit risk using the EAER scoring method, regardless
12 of prior service history. The revised language aligns with Missouri statutes and regulations
13 that do not mandate a 5-year lookback restriction. It also brings the Company's deposit
14 practices in line with those of other investor-owned utilities in Missouri.

15

16 Sheet 143 – VII. Disconnection and Reconnection of Service, B. Notice of Intent to

17 Disconnect Residential Service, B.2 and B.3.

18 The Company is proposing to remove language from Sections VII.B.2 and VII.B.3
19 of the General Rules and Regulations regarding informing occupants of their right to
20 initiate a receivership procedure in certain situations involving disconnection of electric
21 service. Removing this outdated language will better align the tariff with the Company's
22 existing disconnection notification processes and ensure clarity for customers.

1 Sheet 145 – VII. Disconnection and Reconnection of Service, G. Avoidance of

2 Disconnection of Service.

3 Avoidance of Disconnection of Service has been revised to remove outdated
4 references to making payments 'at a Company office.' The Company no longer operates
5 physical office locations for customers to make in-person payments. This change ensures
6 the tariff accurately reflects the Company's existing payment channels and avoids potential
7 customer confusion regarding on-site payment options that are not available.

8

9 Sheet 145.1 – VII. Disconnection and Reconnection of Service, J.

10 A typo has been corrected from "allws" to "allows".

11

12 **PILOTS, VARIANCES, AND PROMOTIONAL PRACTICES**

13 Sheet 158.3 – Community Solar Pilot Program; Program Provision 13.

14 The proposed change updates the language to point to the applicable rate schedule,
15 "Evening/Morning" as opposed to the current reference of Daytime/Overnight.

16

17 Sheet 162 – F. Voluntary Electronic Bill Rendering and Payment Program

18 The General Description section has been updated to provide customers with
19 accurate, current details on the Company's Paperless Billing program features and
20 functionalities. The previous language was outdated and did not reflect the program's
21 evolution and enhanced digital billing/payment capabilities.

1 The revised tariff language clearly explains the paperless billing delivery methods, online
2 account access, mobile app integration, and available payment channels for program
3 participants. It also specifies that standard billing terms and conditions remain applicable.
4 This language update ensures transparency for customers regarding the paperless billing
5 experience while not altering any of the program's existing operational processes or
6 customer requirements. The refreshed description aligns with the Company's continued
7 efforts to enhance digital customer service offerings.

8 **IV. RESPONSIVE ACTIONS TO FILE NO. EC-2023-0395 ORDER**

9 **Q. In the order for File No. EC-2023-0395, what specific directives did**
10 **the Commission provide to Ameren Missouri regarding review of its disconnection**
11 **notices and procedures?**

12 A. The Commission's order in File No. EC-2023-0395 directed Ameren
13 Missouri to take the following actions:

- 14 1. Review its disconnection, pending payment agreement, and payment
15 agreement notice language.
- 16 2. Examine its notice procedures to make sure it is following the terms
17 contained in the stipulation and agreement approved in File No. EE-2019-
18 0382.
- 19 3. Make sure that it sends the required notices at the required time, and not
20 merely approximate.
- 21 4. Explain the results of its review and any actions taken to clarify its
22 procedures to Staff during its next general rate case proceeding.

1 **Q. Please summarize the key actions Ameren Missouri has taken in**
2 **response to the Commission's directives.**

3 A. In response to the Commission's order in File No. EC-2023-0395, Ameren
4 Missouri has conducted a comprehensive review and implemented measures across all
5 aspects of its disconnection notice language and procedures. Regarding the disconnection
6 notice language itself, Ameren Missouri confirmed all content meets regulatory
7 requirements and the terms of the File No. EE-2019-0382 Stipulation, while also enhancing
8 clarity around reconnection costs, payment options, and energy assistance information.

9 For pending payment agreement notices, Ameren Missouri revised its email
10 confirmations to customers to unambiguously state the "pending" status until the initial
11 payment posts, as well as clarify that future installment amounts will be added to the total
12 amount due monthly once activated. The written payment agreement confirmations were
13 also reviewed to ensure full transparency of the agreement terms, balance, down payment,
14 installments, and consequences of late or missed payments.

15 Most critically, Ameren Missouri examined its overall notice procedures and
16 timing to ensure strict adherence to the requirements of the File No. EE-2019-0382
17 Stipulation and Agreement. Enhancements were made to verify the precise notice windows
18 are met, not just approximated, including the written 10-day and call/text 2-9 day notices
19 for residential disconnections, as well as the additional 15-day, 7-day certified mail, and
20 call/text 2-7 day notices for Medical Equipment Registry customers. Ameren Missouri's
21 process review was comprehensive and the resulting actions were coordinated across all
22 residential collections activities.

1 **Q. Can you provide more details on the specific revisions made to Ameren**
2 **Missouri's pending payment agreement notification emails?**

3 A. Yes, based on the feedback from Staff, Ameren Missouri made clarifying
4 revisions to the email correspondence sent when a customer enters into a pending payment
5 agreement. Previously, these emails had a header stating, "Your payment agreement has
6 been established, " which could lead to confusion since the agreement was not yet activated
7 until the initial down payment is posted. The new email notifications now have a header
8 clearly stating, "Your payment agreement is pending initial payment." The body content
9 was also updated to explain that once the required payment is received and the agreement
10 is activated, then the monthly installment amount will be added to the customer's total
11 amount due each billing cycle. Additionally, the revised emails inform the customer that a
12 confirmation letter will be mailed once the payment agreement is officially activated.

13 **Q. What changes did Ameren Missouri make regarding the written**
14 **confirmation of activated payment agreements?**

15 A. For customers who have an activated payment agreement after making the
16 required down payment, Ameren Missouri reviewed and enhanced the written
17 confirmation letters that are mailed to ensure full transparency of the key agreement terms.
18 These mailed confirmations now clearly display the beginning balance owed, the down
19 payment amount, the remaining balance after the down payment, the specific monthly
20 installment amount the customer will owe, and the total number of installments. The letters
21 also explicitly warn that late, partial, or missed payments will result in cancellation of the
22 agreement and the entire remaining balance becoming due immediately. They reinforce

1 that failure to meet the payment agreement terms can also lead to service disconnection for
2 non-payment.

3 **Q. How did Ameren Missouri improve its handling of disconnection**
4 **notices for Medical Equipment Registry customers?**

5 A. Per the File No. EE-2019-0382 Stipulation, Ameren Missouri has enhanced
6 notice procedures for customers enrolled in the company's Medical Equipment Registry
7 (MER). In addition to the standard 10-day written and 2-9 day call/text notifications for
8 residential disconnections, MER customers now receive a written notice via U.S. Mail 15
9 days prior to potential disconnection, as well as an additional written notice sent by
10 certified U.S. Mail 7 days prior. The call and text/email attempt notifications for MER
11 customers are also made within a 2-7 day window ahead of the disconnection date. To
12 ensure proper procedures are followed, Ameren Missouri has designated staff on its
13 Customer Advocacy team to specially handle all disconnection notifications for MER
14 customers.

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

16 A. Yes, it does.

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 65th Revised SHEET NO. 70

CANCELLING MO.P.S.C. SCHEDULE NO. 6 54th Revised SHEET NO. 70

APPLYING TO MISSOURI SERVICE AREA

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 DATE OF ISSUE February-June 28~~14~~, 2024~~2~~ DATE EFFECTIVE February-August 3~~28~~, 2024~~2~~

ISSUED BY Marktin J.C. BirkLyons Chairman & President St. Louis, Missouri
 NAME OF OFFICER TITLE ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 ~~65~~⁶⁵th Revised SHEET NO. 70

CANCELLING MO.P.S.C. SCHEDULE NO. 6 ~~54~~⁵⁴th Revised SHEET NO. 70

APPLYING TO MISSOURI SERVICE AREA

*Indicates Addition.

~~Issued pursuant to the Order of the Mo.P.S.C. in Case No. ER 2020-0240.~~

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NAME OF OFFICER TITLE ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 71.16

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 71.16

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE

~~(Applicable To Service Provided Between July 9, 2023 On The Effective Date Of This Tariff Sheet And Thereafter 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), and 11(M).

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

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

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

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

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

*Indicates Change vs. Prior FAC.

Issued pursuant to the Order of the Mo.P.S.C. in Case No. ER-2022-0337.

DATE OF ISSUE June 19, 2023 DATE EFFECTIVE July 9, 2023

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

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 71.17

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 71.17

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

(Applicable To Service Provided Between July 9, 2023 And The Day Before The Effective Date Of This Tariff)

~~_(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 ± R - OSSR

* FC = Fuel costs and revenues associated with the Company's in-service generating plants, but excluding decommissioning and retirement costs, consisting of the following:

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

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

1st Revised SHEET NO. 71.17

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

Original SHEET NO. 71.17

APPLYING TO MISSOURI SERVICE AREA

*Indicates Change vs. Prior FAC.

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DATE OF ISSUE June 19, 2023

DATE EFFECTIVE July 9, 2023

ISSUED BY Mark C. Birk
NAME OF OFFICER

Chairman & President
TITLE

St. Louis, Missouri
ADDRESS

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 MISSOURI SERVICE AREA

RIDER FAC

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

(Applicable To Service Provided Between July 9, 2023 And The Day Before The Effective Date Of This Tariff)

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

FAR DETERMINATION (Cont'd.)

PP = Purchased power costs and revenues and consists of the following:

- * 1) The following costs and revenues for purchased power reflected in FERC Account 555, excluding (a) 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. 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);
 - x. System Support Resource:
 - a. MISO Schedule 43K.

Issued pursuant to the Order of the Mo.P.S.C. in Case No. ER-2022-0337.

DATE OF ISSUE June 19, 2023 DATE EFFECTIVE July 9, 2023

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

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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 MISSOURI SERVICE AREA

*Indicates Change vs. Prior FAC.

Issued pursuant to the Order of the Mo.P.S.C. in Case No. ER-2022-0337.

DATE OF ISSUE June 19, 2023

DATE EFFECTIVE July 9, 2023

ISSUED BY Mark C. Birk
NAME OF OFFICER

Chairman & President
TITLE

St. Louis, Missouri
ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 71.19

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 71.19

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

(Applicable To Service Provided Between July 9, 2023 And The Day Before The Effective Date Of This Tariff)

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

FAR DETERMINATION (Cont'd.)

- B. Non-MISO costs or revenues as follows:
 - i. If received from a centrally administered market (e.g. PJM/SPP), costs or revenues of an equivalent nature to those identified for the MISO costs or revenues specified in subpart A of part 1 above;
 - ii. If not received from a centrally administered market:
 - a. Costs for purchases of energy; and
 - b. Costs for purchases of generation capacity, provided such capacity is acquired for a term of one (1) year or less; and

C. Realized losses and costs (including broker commissions and fees) minus realized gains for financial swap transactions for electrical energy that are entered into for the purpose of mitigating price volatility associated with anticipated purchases of electrical energy for those specific time periods when the Company does not have sufficient economic energy resources to meet its native load obligations, so long as such swaps are for up to a quantity of electrical energy equal to the expected energy shortfall and for a duration up to the expected length of the period during which the shortfall is expected to exist.

- * 2) Six and 84/100 percent (6.84%) of transmission service costs reflected in FERC Account 565 and six and 84/100 percent (6.84%) 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:

Issued pursuant to the Order of the Mo.P.S.C. in Case No. ER-2022-0337.

DATE OF ISSUE June 19, 2023 DATE EFFECTIVE July 9, 2023

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

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

1st Revised SHEET NO. 71.19

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

Original SHEET NO. 71.19

APPLYING TO MISSOURI SERVICE AREA

*Indicates Change vs. Prior FAC.

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St. Louis, Missouri
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Schedule MWH-D1

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 71.20

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

(Applicable To Service Provided Between July 9, 2023 And The Day Before The Effective Date Of This Tariff)

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

FAR DETERMINATION (Cont'd.)

- * 3) A. MISO costs and revenues associated with:
 - i. Network transmission service (MISO Schedule 9 or its successor);
 - ii. Point-to-point transmission service (MISO Schedules 7 and 8 or their successors);
 - iii. System control and dispatch (MISO Schedule 1 or its successor);
 - iv. Reactive supply and voltage control (MISO Schedule 2 or its successor);
 - v. MISO 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;
- B. Non-MISO costs and revenues associated with:
 - i. Network transmission service;
 - ii. Point-to-point transmission service;
 - iii. System control and dispatch; and
 - iv. Reactive supply and voltage control.
- E = Costs and revenues for SO₂ and NO_x emissions allowances in FERC Accounts 411.8, 411.9, and 509, including those associated with hedging.
- R = Net insurance recoveries for costs/revenues included in this Rider FAC (and the insurance premiums paid to maintain such insurance), and subrogation recoveries and settlement proceeds related to costs/revenues included in this Rider FAC.

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MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 71.21

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

(Applicable To Service Provided Between July 9, 2023 And The Day Before The Effective Date Of This Tariff)

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FAR DETERMINATION (Cont'd.)

* 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); and
 - 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 guarantee;
- 5. Hedging; and
- 6. System Support Resource:
 - A. MISO Schedule 43K.

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.

** 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

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Schedule MWH-D1

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 71.22

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 71.22

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

(Applicable To Service Provided Between July 9, 2023 And The Day Before The Effective Date Of This Tariff)

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FAR DETERMINATION (Cont'd.)

* 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 Factors FC, PP, and 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. Moreover, if a research and development ("R&D") project would impact the amounts for Factors FC, PP, or OSSR in an upcoming FAR filing, the Company shall file, in the docket in which this Rider FAC was approved, a notice outlining what the research and development project consists of, and how it will impact such factors in the upcoming FAR filing. The Company will bear the burden of proof to show that the impacts of the subject project should be included in Factors FC, PP, or OSSR, as the case may be. Such notice shall be filed no fewer than 60 days prior to the date of the subject FAR filing. Parties shall have thirty days after the filing of the notice to challenge the inclusion of the impacts of such project on such Factors in the determination of the FAR by stating the reasons for the challenge. If a party challenges the inclusion of a cost/revenue, the costs/revenue will be removed from the FAR until the Commission makes a determination regarding the inclusion of the cost/revenue. If the Commission orders a challenged cost be included in the FAC, the costs will be refunded or the revenues returned along with interest in the next periodic adjustment. For purposes of this Rider FAC, a "research and development project" is defined the same as "Research, Development, and Demonstration (RD&D)" as defined in 18 CFR Chapter 1, subchapter C, Part 101, Federal Power Act Definition 32.B, provided that if the project at issue consumes electricity only incidentally, it will not constitute a research and development project.

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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1st Revised SHEET NO. 71.22

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

(Applicable To Service Provided Between July 9, 2023 And The Day Before The Effective Date Of This Tariff)

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FAR DETERMINATION (Cont'd.)

B = BF x S_{AP}

* BF = The Base Factor, which is equal to the normalized value for the sum of allowable fuel costs (consistent with the term FC), plus cost of purchased power (consistent with the term PP), and emissions costs and revenues (consistent with the term E), less revenues from off-system sales (consistent with the term OSSR) divided by corresponding normalized retail kWh as adjusted for applicable losses. The normalized values referred to in the prior sentence shall be those values used to determine the revenue requirement in the Company's most recent rate case. The BF applicable to June through September calendar months (BFSUMMER) is \$0.01439 per kWh. The BF applicable to October through May calendar months (BFWINTER) is \$0.01328 per kWh.

* S_{AP} = kWh during the AP that ended immediately prior to the FAR filing, as measured by taking the most recent kWh data for the retail component of the Company's load settled at its MISO CP node (AMMO.UE or successor node), but excluding kWh for research and development projects, the impact of which are challenged or ordered to be excluded by the Commission, 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 research and development projects, the impact of which are challenged or ordered to be excluded by the Commission, 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).

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

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APPLYING TO MISSOURI SERVICE AREA

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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 MISSOURI SERVICE AREA

RIDER FAC

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

(Applicable To Service Provided Between July 9, 2023 And The Day Before The Effective Date Of This Tariff)

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FAR DETERMINATION (Cont'd.)

Interest shall be calculated monthly at a rate equal to the weighted average interest rate paid on the Company's short-term debt, applied to the month-end balance of items (i) through (iii) in the preceding sentence.

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

TUP = True-up amount as defined below.

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

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

where:

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

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1st Revised SHEET NO. 71.24

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MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 71.25
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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

(Applicable To Service Provided Between July 9, 2023 And The Day Before The Effective Date Of This Tariff)

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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 _{PRI})	0.1587
High Voltage LPS Weighting Factor (WF _{HV})	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.

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

(Applicable To Service Provided Between July 9, 2023 And The Day Before The Effective Date Of This Tariff)

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

Per kWh FAR Shortfall Adder = (((Combined Initial Rate Component For RAC_LPS Comparison - FAR_LPS) x SLPS) / (SRP - SRP - LPS))

Where:

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

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

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

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

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

Where the LPS RAC Cap Multiplier is the FAR_LPS divided by the Combined Initial Rate Component for RAC_LPS Comparison.

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

TRUE-UP

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

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

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

(Applicable To Service Provided Between July 9, 2023 And The Day Before The Effective Date Of This Tariff)

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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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APPLYING TO MISSOURI SERVICE AREA

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

FAC CHARGE TYPE TABLE

(Applicable To Service Provided Between July 9, 2023 And The Day Before The Effective Date Of This Tariff)

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

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

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

* MISO Transmission Service Settlement Schedules

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

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DATE OF ISSUE June 19, 2023 DATE EFFECTIVE July 9, 2023

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

ELECTRIC SERVICE

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

1st Revised SHEET NO. 71.28

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

Original SHEET NO. 71.28

APPLYING TO MISSOURI SERVICE AREA

* Indicates Change vs. Prior FAC.

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CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 71.29

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

FAC CHARGE TYPE TABLE (Cont'd.)

(Applicable To Service Provided Between July 9, 2023 And The Day Before The Effective Date Of This Tariff)

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

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

DA Market Administration Amount;
DA Schedule 24 Allocation Amount;
FTR Market Administration Amount;
Schedule 10 - ISO Cost Recovery Adder;

RT Market Administration Amount;
RT Schedule 24 Allocation Amount;
RT Schedule 24 Distribution Amount;
Schedule 10 - FERC - Annual Charges Recovery;

PJM Market Settlement Charge Types

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

Load Reconciliation for Inadvertent Interchange;
Load Reconciliation for Operating Reserve Charge;
Load Reconciliation for Regulation and Frequency Response Service;

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

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

PJM Transmission Service Charge Types

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

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

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DATE OF ISSUE June 19, 2023 DATE EFFECTIVE July 9, 2023

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ELECTRIC SERVICE

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

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APPLYING TO MISSOURI SERVICE AREA

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DATE OF ISSUE June 19, 2023

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NAME OF OFFICER

Chairman & President
TITLE

St. Louis, Missouri
ADDRESS

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

FAC CHARGE TYPE TABLE (Cont'd.)

(Applicable To Service Provided Between July 9, 2023 And The Day Before The Effective Date Of This Tariff)

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

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

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

*** SPP Market Settlement Charge Types**

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

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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1st Revised SHEET NO. 71.30

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Schedule MWH-D1

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 4th Revised SHEET NO. 71.31

CANCELLING MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 71.31

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

FAC CHARGE TYPE TABLE (Cont'd.)

(Applicable To Service Provided Between July 9, 2023 And The Day Before The Effective Date Of This Tariff)

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

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 Congestion Rights Administration
- Schedule 1A3 - Integrated Marketplace Clearing Administration
- Schedule 1A4 - Integrated Marketplace Facilitation Administration
- Schedule 12 - FERC Assessment;

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 4th Revised SHEET NO. 71.31

CANCELLING MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 71.31

APPLYING TO MISSOURI SERVICE AREA

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 72.14

CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 72.14

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

(Applicable To services provided on XXXXXX through XXXXXX)

Calculation of Current Fuel Adjustment Rate (FAR):

Accumulation Period Ending:		
1.	Actual Net Energy Cost = (ANEC) (FC+PP+E+R -OSSR)	\$
2.	(B) = (BF x S _{AP})	- \$
2.1	Base Factor (BF)	\$/kWh
2.2	Accumulation Period Sales (S _{AP})	kWh
3.	Total Company Fuel and Purchased Power Difference	= \$
3.1	Customer Responsibility	x 95%
4.	Fuel and Purchased Power Amount to be Recovered	= \$
4.1	Interest (I)	- \$
4.2	True-Up Amount (TUP)	+ \$
4.3	Prudence Adjustment Amount (P)	± \$
5.	Fuel and Purchased Power Adjustment (FPA)	= \$
6.	Estimated Recovery Period Sales (S _{RP})	+ kWh
7.	Current Period Fuel Adjustment Rate (FAR _{RP})	= \$0.00000/kWh
8.	Prior Period Fuel Adjustment Rate (FAR _{RP-1})	+ \$0.00000/kWh
9.	Preliminary Fuel Adjustment Rate (PFAR)	= \$0.00000/kWh
10.	Rate Adjustment Cap (RAC)	= \$0.00947/kWh
11.	Fuel Adjustment Rate (FAR, lesser of PFAR and RAC)	= \$0.00380/kWh

FAR Applicable to Initial Rate Component for the Individual Service Classifications

102.	Secondary Voltage Adjustment Factor (VAF _{SEC})	=	1.0539
113.	Initial Rate Component for Secondary Customers	=	\$0.00000/kWh
124.	Primary Voltage Adjustment Factor (VAF _{PR1})	=	1.0222
135.	Initial Rate Component for Primary Customers	=	\$0.00000/kWh
16.	Primary LPS Weighting Factor (WF_{PR1})		.1587
147.	High Voltage Adjustment Factor (VAF _{HV})	=	1.0059
158.	Initial Rate Component for High Voltage Customers	=	\$0.00000/kWh
19.	High Voltage LPS Weighting Factor (WF_{HV})		.3967
1620.	Transmission Adjustment Factor (VAF _{TRANS})	=	0.9928
1721.	Initial Rate Component for Transmission Customers	=	\$0.00000/kWh
22.	Transmission Voltage LPS Weighting Factor (WF_{TRANS})		.4446
23.	Combined Initial Rate Component for RAC_{LPS} Comparison	=	\$0.00381/kWh

LPS Rate Adjustment Cap Components & Adder

24.	RAC_{LPS}	=	\$0.00633/kWh
25.	Weighted Avg FAR for Large Primary Service (FAR_{LPS}, lesser of 23 and 24)	=	\$0.00381/kWh
26.	Difference (Line 23 - Line 25) if applicable	=	\$0.00000/kWh
27.	Estimated Recovery Period Metered Sales for LPS (S_{LPS})	=	2,493,836,750 kWh
28.	FAR Shortfall Adder (Line 26 x Line 27)	=	\$0
29.	Per kWh FAR Shortfall Adder (Line 28 / (S_{RP} - SRP_{LPS}))	=	\$0.00000/kWh

FAR Applicable to the Non-LPS Service Classifications

30.	FAR for Secondary (FAR_{SEC}) (Line 13 + (Line 29 x Line 12))	=	\$0.00400/kWh
31.	FAR for Primary (FAR_{PR1}) (Line 15 + (Line 29 x Line 14))	=	\$0.00388/kWh

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ELECTRIC SERVICE

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3rd Revised

SHEET NO. 72.14

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

2nd Revised

SHEET NO. 72.14

APPLYING TO

MISSOURI SERVICE AREA

~~32. FAR for High Voltage(FAR_{HV}) (Line 18 + (Line 29 x Line 17)) = \$0.00382/kWh~~

~~33. FAR for Transmission(FAR_{TRANS}) (Line 21 + (Line 29 x Line 20)) = \$0.00377/kWh~~

~~FAR Applicable to the LPS Service Classifications~~

~~34. LPS RAC Cap Multiplier (Line 25 / Line 23) = 1.0~~

~~35. FAR for LPS Primary(LPSFAR_{PR1}) (Line 15 x Line 34)
= \$0.00388/kWh~~

~~36. FAR for LPS High Voltage(LPSFAR_{HV}) (Line 18 x Line 34)
= \$0.00382/kWh~~

~~37. FAR for LPS Transmission(LPSFAR_{TRANS}) (Line 21 x Line 34) = \$0.00377/kWh~~

DATE OF ISSUE April 1, 2024

DATE EFFECTIVE June 1, 2024

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NAME OF OFFICER

Chairman & President
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ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

1st Revised SHEET NO. 72

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Original SHEET NO. 72

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE

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

APPLICABILITY

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

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

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

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

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

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

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

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

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

FAR DETERMINATION

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 in-service generating plants, but excluding decommissioning and retirement costs, consisting of the following:

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

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 72.2

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

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

FAR DETERMINATION (Cont'd.)

- 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. 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);
 - x. System Support Resource:
 - a. MISO Schedule 43K.

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Original SHEET NO. 72.3

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

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

FAR DETERMINATION (Cont'd.)

- B. Non-MISO costs or revenues as follows:
 - i. If received from a centrally administered market (e.g. PJM/SPP), costs or revenues of an equivalent nature to those identified for the MISO costs or revenues specified in subpart A of part 1 above;
 - ii. If not received from a centrally administered market:
 - a. Costs for purchases of energy; and
 - b. Costs for purchases of generation capacity, provided such capacity is acquired for a term of one (1) year or less; and
- C. Realized losses and costs (including broker commissions and fees) minus realized gains for financial swap transactions for electrical energy that are entered into for the purpose of mitigating price volatility associated with anticipated purchases of electrical energy for those specific time periods when the Company does not have sufficient economic energy resources to meet its native load obligations, so long as such swaps are for up to a quantity of electrical energy equal to the expected energy shortfall and for a duration up to the expected length of the period during which the shortfall is expected to exist.

- 2) ~~Ninesix~~ and ~~4684~~/100 percent (~~69.4684~~%) of transmission service costs reflected in FERC Account 565 and ~~ninesix~~ and ~~4684~~/100 percent (~~69.4684~~%) 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:

DATE OF ISSUE June 19, 2023 DATE EFFECTIVE July 9, 2023

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

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 72.4

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 72.4

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

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

FAR DETERMINATION (Cont'd.)

- 3) A. MISO costs and revenues associated with:
 - i. Network transmission service (MISO Schedule 9 or its successor);
 - ii. Point-to-point transmission service (MISO Schedules 7 and 8 or their successors);
 - iii. System control and dispatch (MISO Schedule 1 or its successor);
 - iv. Reactive supply and voltage control (MISO Schedule 2 or its successor);
 - v. MISO 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;
- B. Non-MISO costs and revenues associated with:
 - i. Network transmission service;
 - ii. Point-to-point transmission service;
 - iii. System control and dispatch; and
 - iv. Reactive supply and voltage control.

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

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

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

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

FAR DETERMINATION (Cont'd.)

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); and
 - 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 guarantee;
- 5. Hedging; and
- 6. System Support Resource:
 - A. MISO Schedule 43K.

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.

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

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MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 72.6

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

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

FAR DETERMINATION (Cont'd.)

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 Factors FC, PP, and 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. Moreover, if a research and development ("R&D") project would impact the amounts for Factors FC, PP, or OSSR in an upcoming FAR filing, the Company shall file, in the docket in which this Rider FAC was approved, a notice outlining what the research and development project consists of, and how it will impact such factors in the upcoming FAR filing. The Company will bear the burden of proof to show that the impacts of the subject project should be included in Factors FC, PP, or OSSR, as the case may be. Such notice shall be filed no fewer than 60 days prior to the date of the subject FAR filing. Parties shall have thirty days after the filing of the notice to challenge the inclusion of the impacts of such project on such Factors in the determination of the FAR by stating the reasons for the challenge. If a party challenges the inclusion of a cost/revenue, the costs/revenue will be removed from the FAR until the Commission makes a determination regarding the inclusion of the cost/revenue. If the Commission orders a challenged cost be included in the FAC, the costs will be refunded or the revenues returned along with interest in the next periodic adjustment. For purposes of this Rider FAC, a "research and development project" is defined the same as "Research, Development, and Demonstration (RD&D)" as defined in 18 CFR Chapter 1, subchapter C, Part 101, Federal Power Act Definition 32.B, provided that if the project at issue consumes electricity only incidentally, it will not constitute a research and development project.

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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MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 72.7

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 72.7

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

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

FAR DETERMINATION (Cont'd.)

B = $BF \times S_{AP}$

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 (BFSUMMER) is \$0.01304439 per kWh. The BF applicable to October through May calendar months (BFWINTER) is \$0.0139728 per kWh.

S_{AP} = kWh during the AP that ended immediately prior to the FAR filing, as measured by taking the most recent kWh data for the retail component of the Company's load settled at its MISO CP node (AMMO.UE or successor node), but excluding kWh for research and development projects, the impact of which are challenged or ordered to be excluded by the Commission, 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 research and development projects, the impact of which are challenged or ordered to be excluded by the Commission, 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).

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.

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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.)

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:

$$FAR = FAR_{RP} + FAR_{(RP-1)} \text{The lower of (a) PFAR and (b) RAC.}$$

where:

FAR = Fuel Adjustment Rate applied to retail customer usage on a per kWh basis starting with the applicable Recovery Period following the FAR filing.

FAR_{RP} = FAR Recovery Period rate component calculated to recover under- or over-collection during the Accumulation Period that ended immediately prior to the applicable filing.

FAR_(RP-1) = FAR Recovery Period rate component for the under- or over-collection during the Accumulation Period immediately preceding the Accumulation Period that ended immediately prior to the application filing for FAR_{RP}.

The 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~~

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

1st Revised SHEET NO. 72.8

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

Original SHEET NO. 72.8

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~~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_{PR1})	0.1587
High Voltage LPS Weighting Factor (WF_{HV})	0.3967
Transmission Voltage LPS Weighting Factor (WF_{TRANG})	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.~~

~~* Indicates Change~~

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

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

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

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

~~Where:-~~

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

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

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

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

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

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

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

TRUE-UP

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

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

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

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

GENERAL RATE CASE/PRUDENCE REVIEWS

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

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

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

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APPLYING TO MISSOURI SERVICE AREA

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

FAC CHARGE TYPE TABLE

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

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

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

MISO Transmission Service Settlement Schedules

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

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

FAC CHARGE TYPE TABLE (Cont'd.)

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

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

DA Market Administration Amount;
DA Schedule 24 Allocation Amount;
FTR Market Administration Amount;
Schedule 10 - ISO Cost Recovery Adder;

RT Market Administration Amount;
RT Schedule 24 Allocation Amount;
RT Schedule 24 Distribution Amount;
Schedule 10 - FERC - Annual Charges Recovery;

PJM Market Settlement Charge Types

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

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

PJM Transmission Service Charge Types

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

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

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

FAC CHARGE TYPE TABLE (Cont'd.)

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

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

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

SPP Market Settlement Charge Types

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

DATE OF ISSUE June 19, 2023 DATE EFFECTIVE July 9, 2023

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

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 4th Revised SHEET NO. 72.13

CANCELLING MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 72.13

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

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

FAC CHARGE TYPE TABLE (Cont'd.)

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

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 Congestion Rights Administration
- Schedule 1A3 - Integrated Marketplace Clearing Administration
- Schedule 1A4 - Integrated Marketplace Facilitation Administration
- Schedule 12 - FERC Assessment;

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

7th Revised SHEET NO. 88

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

6th Revised SHEET NO. 88

APPLYING TO MISSOURI SERVICE AREA

*

THIS SHEET RESERVED FOR FUTURE USE

*Indicates Change.

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UNION ELECTRIC COMPANY

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SHEET NO. 88.1

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

4th Revised

SHEET NO. 88.1

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MISSOURI SERVICE AREA

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NAME OF OFFICER

Chairman & President
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St. Louis, Missouri
ADDRESS

Schedule MWH-D1

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

3rd Revised SHEET NO. 88.2

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

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APPLYING TO MISSOURI SERVICE AREA

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Schedule MWH-D1

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

6th Revised SHEET NO. 88.3

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

5th Revised SHEET NO. 88.3

APPLYING TO MISSOURI SERVICE AREA

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Schedule MWH-D1

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

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

2nd Revised SHEET NO. 88.4

APPLYING TO MISSOURI SERVICE AREA

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Schedule MWH-D1

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

1st Revised SHEET NO. 88.5

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Original SHEET NO. 88.5

APPLYING TO MISSOURI SERVICE AREA

*

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Schedule MWH-D1

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

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APPLYING TO MISSOURI SERVICE AREA

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Schedule MWH-D1

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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Schedule MWH-D1

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

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

Original SHEET NO. 88.8

APPLYING TO MISSOURI SERVICE AREA

*

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*Indicates Change.

DATE OF ISSUE June 28, 2024 DATE EFFECTIVE August 3, 2024

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

GENERAL RULES AND REGULATIONS

I. GENERAL PROVISIONS

A. AUTHORIZATION AND COMPLIANCE

These rules and regulations on file with the Missouri Public Service Commission contain the provisions under which the Company will supply electric service to customers. No employee or agent of the Company has the authority to amend, modify, alter, or waive the rules and regulations contained herein, or to bind the Company by making any promises or representations not authorized in these rules. In accepting service provided by Company, a customer agrees to comply with all applicable rules and regulations contained herein and any subsequent revisions or additions to such rules which are approved by the Commission.

B. DEFINITIONS

*

1. Billing Period

The time interval between the beginning and ending dates used to generate a bill, during which electric service is provided and billed for by Company.

2. Building

A single structure roofed and enclosed within exterior walls, or portions of such a structure segregated from each other by fire walls accepted and approved by the governmental inspection authority having jurisdiction.

3. Commission

The Public Service Commission of the State of Missouri, or successor of such Commission, having jurisdiction of the subject matter hereof.

4. Company

Union Electric Company acting through its duly authorized officers, agents or employees within the scope of their respective duties and authorities.

5. Customer

Any person, developer, firm, organization, association, corporation or other entity that applies for, or is responsible for payment for electric service from Company, or was responsible for payment for electric service and was disconnected under the provisions of these rules and regulations.

6. Customer Charge

A fixed dollar component of a customer's monthly bill for electric service which recovers a portion of the annual investment and operating costs incurred by the Company in making service available to an individual customer, e.g., service conductor and meter investment, meter reading, billing, customer accounting and customer service expenses.

*Indicates Change.

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ISSUED BY Martin J. Lyons Chairman & President St. Louis, Missouri
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APPLYING TO MISSOURI SERVICE AREA

GENERAL RULES AND REGULATIONS

I. GENERAL PROVISIONS (Cont'd.)

B. DEFINITIONS (Cont'd.)

7. Delivery Voltage

The voltage level provided by the extension of Company's distribution system to the point of delivery designated by Company on customer's premises, regardless of the voltage level at which such service may actually be metered.

8. Demand

The average rate of consumption of electric energy by a customer, measured in kilowatts (kilowatt-hours per hour), during a designated interval of time, normally 15-minutes for the Company's various rate classifications.

9. Demand Charge

A rate component of a customer's monthly bill for electric service, applicable to metered or otherwise established kilowatt demands, which recovers a portion of the Company's annual fixed investment and operating costs associated with office buildings, construction work's headquarters, labor and equipment, as well as a portion of the Company's investment and operating costs incurred in providing electric capacity capable of supplying customer's maximum demand at any time, e.g., local transformers, distribution lines and substations, and generation and transmission facilities.

10. Deposit

An amount of money or other guarantee acceptable to Company required for credit or other security purposes, advanced to Company by customer and held by Company until customer has established satisfactory credit and fulfilled all guarantee requirements.

11. Disconnection of Service

The cessation of electric service initiated by the Company due to customer's violation of one or more of the Company's applicable rules and regulations.

12. Distribution System

Company facilities, generally supplied from various points on the transmission system, e.g., substations, primary lines normally ranging from 69,000 to 2,400 volts, transformers, switchgear, manholes, pedestals, secondary lines ranging from 600 to 120 volts, services and metering.

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ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri
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NO. ~~98~~ CANCELLING MO.P.S.C. SCHEDULE NO. 6 ~~Original~~ SHEET

APPLYING TO MISSOURI SERVICE AREA

I. GENERAL PROVISIONS (Cont'd.)

B. DEFINITIONS (Cont'd.)

13. Energy Charge

A rate component of a customer's monthly bill for electric service, applicable to metered or otherwise established electric energy consumption in kilowatt-hours, which recovers the variable operating costs incurred by the Company in supplying the customer's kilowatt-hours, e.g., fuel, fuel handling and purchased power expenses and variable production plant operating and maintenance expenses, as well as any additional non-variable costs not recovered in the customer and demand charges which may be applicable.

14. Kilowatt

The basic unit of customer electric power consumption (or demand) at any point in time, based upon the following relationship:

$$\text{Kilowatts} = (\text{Volts} \times \text{Amperes} \times \text{Power Factor}) / 1000$$

15. Kilowatt-hour

The basic unit of customer electric energy consumption, equivalent to an average of one kilowatt of power utilized for a period of one hour.

16. Load

The customer's electric power requirements in kilowatts, which must be supplied at various voltage levels on the Company's distribution system at the time and in the magnitude required by customer's operating characteristics.

17. Meter

A device or devices used for measuring the kilowatt-hours, kilowatts and other characteristics of a customer's electric consumption, as required by the applicable provisions of customer's rate.

18. Metering Voltage

The voltage level at which the service provided by the extension of the distribution system to the Company's designated point of delivery on customer's premises, is actually metered.

19. Net Revenue

Revenue received or to be received from customer for electric service provided by Company, exclusive of all sales or revenue related taxes.

20. Non-Standard Meter

A meter that lacks remote communication capabilities and requires manual reading through an on-site visit to the customer's premises, as opposed to Standard AMI or AMR Meters that transmit meter readings over a communication network.

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ISSUED BY MarkWarner CL. BirkaxterChairman & President - CEO St. Louis, Missouri
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NO. ~~99~~ CANCELLING MO.P.S.C. SCHEDULE NO. 6 ~~Original~~ SHEET

APPLYING TO MISSOURI SERVICE AREA

I. GENERAL PROVISIONS (Cont'd.)

B. DEFINITIONS (Cont'd.)

219. Non-Standard Service

Service at voltages, frequencies or other conditions which are no longer offered by the Company for new installations.

221. Obstruction

Obstruction of service shall include, but not be limited to, any act or instance of tampering with or bypassing the Company's meter, or any diversion of service, or any unauthorized use of or interference with the Company's provision of service situated or delivered on or about customer's premises.

232. Power Factor

The ratio of a customer's real power requirements (kilowatts) to a customer's apparent power requirements (kilovolt amperes) or (volts X amperes)/1000.

243. Premises

A contiguous tract of land, undivided by a public right-of-way, where all buildings and/or electric consuming devices located thereon are owned or occupied by a single customer or applicant for electric service, or where all electricity delivered thereto is utilized to supply one or more buildings and/or other electrical loads which the Company considers as components of a unified operation.

254. Primary Service

Service provided to customer at a delivery voltage of 2,400 volts or higher.

265. Revenue Taxes

Gross receipts, State sales, or other similar taxes applicable to bills rendered to customer by Company for electric service.

276. Seasonal Revenue

Revenue derived from the application of the Company's seasonal energy and/or demand rates during the eight monthly billing periods of October through May for any given customer.

287. Secondary Service

Service provided to customer at a delivery voltage of 600 volts or less.

299. Service Facilities

Conductors, including conduit if applicable, which consist of the secondary voltage portion of the distribution system extended by Company or customer from the low voltage side of the primary/secondary voltage transformer to provide electric service to the point of delivery of the electric service, designated by Company for connection to an individual customer.

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NO. 100

CANCELLING MO.P.S.C. SCHEDULE NO. 6 ~~Original~~ SHEET
NO. 100

APPLYING TO MISSOURI SERVICE AREA

I. GENERAL PROVISIONS (Cont'd.)

B. DEFINITIONS (Cont'd.)

3029. Special Facilities

Facilities requested by customer, or otherwise specified by local law, which are in addition to, or to be substituted for, the standard distribution facilities which would normally be specified and provided by Company for the electrical load to be served.

310. Subdivision

A lot, tract, or parcel of land divided into two or more lots, plots, sites, or other divisions for use for two or more new residential buildings or the land on which is constructed new residential multiple occupancy buildings per a recorded plat thereof if such recordation is required by law.

321. Substation

Equipment at individual locations, which is designed for switching, changing or regulating the voltage of the Company's electrical supply system interconnected with the substation.

332. Tariffs

Documents filed with the Commission specifying the lawful rates and other charges, riders and rules and regulations under which the Company is required to provide service to its customers.

343. Temporary Service

Extensions by Company for non-permanent service such as, for example, construction or seasonal operations, Christmas tree lots, carnivals, various festivals, etc., or for service to any other customer not taking and paying for such service for the minimum number of consecutive billing periods specified as the initial term in the Company's applicable tariff schedule.

354. Termination of Service

The cessation of electric service at the request of the customer when not otherwise required by Company.

365. Transformer

An element of the Company's transmission or distribution system whose function is to change (normally reduce) the voltage of the electric conductors to which it is connected.

376. Transmission System

Company lines and substations, normally operating at voltages of 138,000 volts or higher, which transfer bulk electrical power from generating stations or other sources of supply to principal connection points on the Company's distribution system or to other interconnected utility systems.

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APPLYING TO MISSOURI SERVICE AREA

GENERAL RULES AND REGULATIONS

I. GENERAL PROVISIONS (Cont'd.)

B. DEFINITIONS (Cont'd.)

387. Voltage

The potential in an electrical system, measured in volts, normally ranging from 120 to 69,000 volts on the Company's distribution system and 138,000 volts and higher on the Company's transmission system.

C. APPLICATION FOR SERVICE

Any customer requesting electric service within Company's authorized service area will provide Company with appropriate information regarding the quantity and characteristics of the anticipated electric consumption and location of the premises to be served. Appropriate personal customer identification may also be required at the request of the Company. Customer or customer's agent shall select the rate, and any applicable riders, from the Company's currently applicable rate schedules, for which customer qualifies at that time. All electric service will be supplied subject to the provisions of the Company's tariffs applicable to the service requested and these rules and regulations, provided customer agrees to the use of the service supplied by Company for the minimum term specified in the tariff applicable to customer's electric service. Customers desiring electric service for periods less than the term specified in the applicable tariff must contract for such service under Company's Rider D.

*The Company shall not be required to commence supplying service to a customer, or if commenced the Company may disconnect such service, if at the time of application such customer or any member of his household (who have both received benefit from the previous service) is indebted to the Company for the same class of service previously supplied at such premises or any other premises until payment of, or satisfactory payment arrangements for, such indebtedness shall have been made. Company will inform the prospective customer of the refusal of service in writing and maintain a record of the notice.

D. FORM OF SERVICE PROVIDED

1. Service to New Premises - Company will normally supply overhead electric service consisting of one single phase and/or one three phase secondary voltage service or one primary voltage service of adequate capacity to customer's premises, at a single delivery point designated by Company, unless more than one primary voltage electrical supply is specified by Company for engineering, economic or other reasons. Company may, however, agree to supply additional electrical supply facilities, requested by customer, when justified by valid Company engineering considerations, based upon the applicable provisions of Section III of these rules. Where such additional supply facilities are provided at customer's request after May 5, 1990, any multiple metering required to accommodate such additional facilities will not be cumulated for billing purposes.

*Indicates Change

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ISSUED BY Mark C. Birkichael Moehn Chairman & President ~~& CEO~~ St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

Original SHEET NO. 102

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

_____ SHEET NO. _____

APPLYING TO MISSOURI SERVICE AREA

GENERAL RULES AND REGULATIONS

I. GENERAL PROVISIONS (Cont'd.)

D. FORM OF SERVICE PROVIDED (Cont'd.)

- 2. New Electrical Loads on Existing Premises - Existing customers receiving secondary service with new or additional electrical load requirements will normally be expected to continue to receive service from Company at or near the existing point of delivery of such service, originally designated by Company. However, where in Company's sole judgment it is unreasonable or impracticable for customer to be expected to receive service for such additional electric loads at the existing service delivery point, Company will supply such electrical requirements by a separate connection which shall be subject to all provisions of Company's line extension rules for extensions to new premises. In such cases of separate connections provided after May 5, 1990, separate billing shall apply with no provision or allowance for billing cumulation.
- 3. Combined Service - Separate or different customers may not purchase electricity on a combined basis as a single customer. However, the purchase of electricity provided to the same customer in two or more contiguous buildings not separated by another customer premises, or to the same customer in two or more buildings separated only by public property, may be combined and cumulated for billing purposes under the provisions of Company's Rider J and Rider H, respectively.

E. APPLICATION OF SERVICE CLASSIFICATION FOR BILLING

The application of the rates within the Company's various service classifications shall, for billing purposes, be based upon the form of the electric service being supplied by Company and whether such service is for residential or non-residential purposes. Residential and combination home and farm service shall be billed on the Company's Residential Rate. All other secondary voltage service to non-residential customers shall be billed under either of the Company's Small General Service or Large General Service Rates, as applicable, and primary voltage customers shall be billed under the Primary Service, as applicable, regardless of the manner in which such service is metered. Where metering is not located at the voltage level of the service being provided by Company, the applicable Rider C adjustment shall be applied to account for such differences. For delivery voltages of 34.5 KV or higher, the provisions Rider B shall apply.

F. COMPANY OBLIGATIONS

In supplying service to customers, Company shall furnish such service within a reasonable length of time dependent upon the availability of materials, labor and system capacity, and after all necessary easements, permits and approvals are obtained from the customer and other governmental and regulatory authorities having jurisdiction.

DATE OF ISSUE May 31, 2013

DATE EFFECTIVE June 30, 2013

ISSUED BY Warner L. Baxter
NAME OF OFFICER

President & CEO
TITLE

St. Louis, Missouri
ADDRESS

UNION ELECTRIC COMPANY

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 MISSOURI SERVICE 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:

1. 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.

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

UNION ELECTRIC COMPANY

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 MISSOURI SERVICE 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 ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 105

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 105

APPLYING TO MISSOURI SERVICE AREA

GENERAL RULES AND REGULATIONS

I. GENERAL PROVISIONS (Cont'd.)

***I. OBJECTIONABLE CUSTOMER LOAD CHARACTERISTICS**

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

J. CONTINUITY OF SERVICE

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

K. REGULATORY AUTHORITIES

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

* Indicates Change.

Issued pursuant to the Order of the Mo.P.S.C. in Case No. ER-2021-0240.

DATE OF ISSUE February 14, 2022 DATE EFFECTIVE February 28, 2022

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

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 106

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 106

APPLYING TO MISSOURI SERVICE AREA

GENERAL RULES AND REGULATIONS

I. GENERAL PROVISIONS (Cont'd.)

K. REGULATORY AUTHORITIES (Cont'd.)

Because Commission jurisdiction constitutes a legislative recognition that the public interest in proper regulation of public utilities transcends municipal or county lines, and that a centralized control must be entrusted to an agency whose continually developing expertise will assure uniformly safe, proper and adequate service by the Company, no regulations or ordinances of local governments shall be permitted to impose any requirements on the Company's provision of electric service (excepting local permit requirements for excavation and restoration of public rights-of-way, and except in specific instances where the providing of such service will itself cause a substantial and direct threat of injury to persons or property), which are different from or in addition to such Standard Rules and Regulations and the Commission's regulations, unless such requirements are approved by the Commission for uniform application throughout the Company's service area.

***L. REIMBURSEMENT OF COSTS NECESSITATED BY NEGLIGENCE**

Where Company seeks to recover the cost to repair, replace, reroute, or relocate any Company facilities necessitated by another party's negligence, the charge will include the total cost of all labor and materials, easements, licenses, permits, cleared right-of-way, and all other incidental costs, including indirect costs. The indirect costs will include, where applicable, the cost of engineering, supervision, inspection, insurance, payments for injury and damage awards, taxes, AFUDC (Allowance for Funds Used During Construction), legal and administrative and general expenses associated with the affected facilities. The percentage used for indirect costs reflects the Company's historical indirect cost experience.

* Indicates Addition.

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DATE OF ISSUE May 6, 2015 DATE EFFECTIVE May 30, 2015

ISSUED BY Michael Moehn President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

Original SHEET NO. 128

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

_____ SHEET NO. _____

APPLYING TO MISSOURI SERVICE AREA

GENERAL RULES AND REGULATIONS

IV. MEASUREMENT OF SERVICE

A. METERING STANDARDS

Company will furnish and install only one main watthour meter and one main instrument or method of demand measurement (normally measuring kilowatts in periods of fifteen consecutive minutes), to register all energy and power of the same type of service supplied to a given customer at any individual premises unless accuracy of measurement, engineering, safety reasons, economic reasons, rates, or legal provisions require the installation of more than one meter.

For secondary service customers receiving both single and three phase service, one single and one three phase energy and demand meter set will be furnished by the Company where required by applicable tariffs.

B. ADDITIONAL METERING

Company, at its option, may install for billing purposes, to the extent Company considers feasible, additional meters in excess of those specified in paragraph A above, for customer's engineering or economic reasons. Customer shall pay Company for such excess meters monthly with the bill for service at the following rates:

- a. Standard single phase secondary A.C. watthour meters @ \$2.25 per meter per month
- b. Standard three phase secondary A.C. watthour meters @ \$6.75 per meter per month
- c. Current transformers (C.T.) where required by size of load @ \$2.50 per C.T. per month
- d. Any special meter or meter equipment, such as primary and switchboard type meters @ 2.00% per month of the cost of such meter or equipment

DATE OF ISSUE May 31, 2013

DATE EFFECTIVE June 30, 2013

ISSUED BY Warner L. Baxter
NAME OF OFFICER

President & CEO
TITLE

St. Louis, Missouri
ADDRESS

MO.P.S.C. SCHEDULE NO. 6 3rd~~2nd~~ Revised SHEET NO. 129

CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd~~1st~~ Revised SHEET NO. 129

APPLYING TO MISSOURI SERVICE AREA

GENERAL RULES AND REGULATIONS

IV. MEASUREMENT OF SERVICE (Cont'd.)

C. MULTIPLE METERED ACCOUNT BILLING

Where more than one meter is installed for metering the premises of an individual account in accordance with paragraphs A and B above, the sum of each watt-hour meter's kilowatt-hour usage and each demand meter's individual maximum non-simultaneous kilowatt demand will be used for billing purposes. Under all circumstances involving multiple metered accounts, any alternating current watt-hour meter registering zero usage in a given billing month shall be subject to the monthly charge for three phase meters, specified in paragraph B of this Section IV, during each month of zero usage.

D. METER INSPECTIONS AND TESTING

Company's meters shall be inspected and tested for accuracy in accordance with applicable Missouri Public Service Commission Rules. If customer requests a meter test within 12 months of any previous testing of such meter, a standard charge based on meter type will be assessed for meters found to have an average meter error of 2 percent or less.

*** E. REMOTE METER READING OPT-OUT**

Customers receiving service under the Residential Anytime Service rate have the option of refusing the installation of remotely read metering or requesting the removal of previously installed remotely read metering. In such instances, non-standard metering equipment will be installed that requires a manual meter read. Customers requesting non-standard metering service after April 1, 2017 will be charged a one-time setup charge and a monthly recurring Non-Standard Meter Charge. Charges are listed on Sheet No. 63, Miscellaneous Charges. Charges shall not be applicable to customers who have not been offered remote metering equipment by the Company due to geographic or similar considerations.

Remote Meter Reading Opt-Out is not available for residential customers that are receiving service under any of the following rates: 1) any residential rate option other than Anytime Service, 2) Electric Power Purchases from Qualifying Facilities, or 3) Electric Power Purchases from Qualified Net Metering Facilities.

If a customer denies access to their premises for meter installation or replacement, either through verbal refusal, threats, or failure to establish an agreed-upon time for access, the Company will notify the customer in writing. The notification will state that continued refusal to allow installation of standard AMI metering equipment may result in disconnection of service in accordance with the notice procedures outlined in 20 CSR 4240-13.050. Non-standard metering will not be offered as an option in situations where the customer does not permit reasonable access for mandatory meter installation or replacement.

To the extent that a customer denies access to property through verbal denial or threats of violence, or fails to establish a suitable time for access or

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DATE OF ISSUE June~~March~~ 21~~8~~, 2024~~0~~ DATE EFFECTIVE July~~April~~ 28~~1~~, 2024~~0~~

ISSUED BY Mark~~tin~~ C~~J~~. Birk~~lyne~~ Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 3rd~~2nd~~ Revised SHEET NO. 129

CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd~~1st~~ Revised SHEET NO. 129

APPLYING TO MISSOURI SERVICE AREA

~~allow access, customer will be notified, in writing, that failure to provide access to install remotely read metering equipment will result in customer being considered an opt-out customer not sooner than 30 days after Company's notice. Company's notification will include charges that will be added to the customer's bill as listed on Sheet No. 63, miscellaneous charges and provide information for the customer to understand the financial impact of opt-out status. Prior to deeming a residential customer to have accepted opt-out status, Company shall follow the notice procedures found in 20 CSR 4240-13.035(1)(C), with the exception of 20 CSR 4240-13.035(1)(C)2.B.~~

* Indicates Change.

~~Issued pursuant to the Order of the Mo.P.S.C. in Case No. ER 2019-0335.~~

DATE OF ISSUE June~~March~~ 21~~8~~, 2024~~0~~ DATE EFFECTIVE July~~April~~ 28~~1~~, 2024~~0~~

ISSUED BY Mark~~tin~~ C~~J.~~ Birk~~Lyons~~ Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6 ~~3rdrd~~^{2nd} Revised SHEET NO. 139

CANCELLING MO.P.S.C. SCHEDULE NO. 6 ~~2ndst~~^{1st} Revised SHEET NO. 139

APPLYING TO MISSOURI SERVICE AREA

GENERAL RULES AND REGULATIONS

VI. DEPOSIT PRACTICES

A. RESIDENTIAL CUSTOMERS

1. Deposit Requirements For Initial Service

Company may, as a condition to furnishing service initially, require any applicant for residential service to make a cash deposit or furnish a written guarantee of a responsible party, due to any of the following:

- a. The applicant has an unpaid bill, which accrued within the last five (5) years and at the time of the request for service, remains unpaid and not in dispute with a utility for the provision of the same type of service; or
- b. The applicant has, in an unauthorized manner, within the past five (5) years prior to applying for service, interfered with or diverted the service of a utility in the provision of the same type of service; or
- c. The applicant has ~~not had service with the Company within the past five (5) years and has~~ an Equifax Advanced Energy Risk Score (EAER Score) of 699 or lower. For applicants without an EAER Score, a deposit shall not be required under this provision. Those customers without an EAER Score will not be assessed a deposit under this subsection; or
- d. The customer fails to provide proof of identity upon request. Proof of identity is to include official picture identification or other verifiable documentation of identity, and correct social security number.

*2. Deposit Requirements For Continued Service or Re-established Service

Company may, as a condition of continued or re-established service, require any residential customer to make a cash deposit or furnish a written guarantee of a responsible party, due to any of the following:

- a. The service of the customer has been disconnected for nonpayment of a delinquent account not subject to a bona fide dispute, or
- b. The customer has in an unauthorized manner tampered with the Company's facilities or interfered with or diverted the service of Company situated on or about or delivered to the customer's premises, or
- c. The customer has failed to pay an undisputed bill on or before the delinquency date for five billing periods out of twelve consecutive billing periods, except:

DATE OF ISSUE June 28⁷, 2021⁴ DATE EFFECTIVE July 28⁷, 2021⁴

ISSUED BY Mark C. Michael Birk-Moehn ~~Chairman & President & CEO~~ St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 ~~3rd~~^{2nd} Revised SHEET NO. 139

CANCELLING MO.P.S.C. SCHEDULE NO. 6 ~~2nd~~^{1st} Revised SHEET NO. 139

APPLYING TO MISSOURI SERVICE AREA

*Indicates Change

DATE OF ISSUE June 28~~7~~, 202~~1~~4 DATE EFFECTIVE July 28~~7~~, 202~~1~~4

ISSUED BY Mark C. ~~ichael~~ Birk-Moehn Chairman & President ~~& CEO~~ St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 140

CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 140

APPLYING TO MISSOURI SERVICE AREA

GENERAL RULES AND REGULATIONS

VI. DEPOSIT PRACTICES (Cont'd.)

*** A. RESIDENTIAL CUSTOMERS (Cont'd.)**

2. Deposit Requirements For Continued Service (Cont'd.)

c. (Cont'd.)

- i. The Company shall not assess a deposit to a customer if all of the following conditions are present: the customer's outstanding balance does not exceed three hundred dollars (\$300), the customer is not making payments under a previously arranged payment plan, and the customer has made a payment on or before the delinquency date each of the previous twelve (12) consecutive billing periods of at least seventy-five dollars (\$75) or twenty-five percent (25%) of the total outstanding balance.
- ii. Deposit requirements during the months of November, December, and January for reasons other than unauthorized use or diversion of service, may, if the customer is unable to pay the entire deposit, be paid by installments over a six month period, unless the Company can show a likelihood that the customer does not intend to pay for continued service.
- iii. The Company shall not assess new deposits nor bill previously assessed deposits to customers who enter into and make timely payments in accordance with the Missouri Public Service Commission's "Cold Weather" rule.
- d. Prior to requiring a customer to post a deposit, Company shall send the customer a written notice explaining the Company's right to require a deposit or include such explanation with each written discontinuance notice.

*** B. NON-RESIDENTIAL CUSTOMERS**

Company may at any time, as a condition to furnishing or continuing service, require any customer or applicant for non-residential service to make a cash deposit or, at Company's option, furnish a personal guarantee of a responsible party with established credit satisfactory to Company.

*Indicates Reissue

DATE OF ISSUE April 29, 2016 DATE EFFECTIVE May 29, 2016

ISSUED BY Michael Moehn President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

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

3rd Revised SHEET NO. 141

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

2nd Revised SHEET NO. 141

APPLYING TO MISSOURI SERVICE AREA

GENERAL RULES AND REGULATIONS

VI. DEPOSIT PRACTICES (Cont'd.)

C. GENERAL PROVISIONS

*1. Deposit Limits

A deposit for initial service will not exceed the charges applicable for one-sixth (1/6) of the estimated annual bill for residential customers, and usage during one estimated maximum monthly billing period plus thirty days for non-residential customers. For residential or non-residential customers, when a deposit is required as a condition for continued service, the deposit will not exceed two times the highest bill actually incurred, or estimated to be incurred, by the customer during the most proximate twelve (12) month period at the service location.

All deposit levels referred to herein will be established based upon usage levels and associated billings applicable to periods representative of actual meter readings and undisputed billing amounts.

2. Deposit Refunds

The credit of the residential customer will be established and the deposit and accrued interest, if any, will be refunded, or the guarantor released, upon satisfactory payment before the delinquency date of all proper charges for service for a period of twelve successive months, or customer has closed its account. The credit of the non-residential customer will be reviewed after three years and the deposit returned if in the opinion of the Company, the customer has established satisfactory credit. The Company may withhold refund of the deposit or release of the guarantor pending the resolution of a matter in dispute involving disconnection for nonpayment or unauthorized interference by the customer. The Company may apply all deposits subject to refund and accrued interest, if any, against undisputed utility charges provided the amount of the refund is identified and disclosed on the bill. Company shall make all reasonable efforts to return a deposit when the customer is entitled to the return of the deposit and shall keep records of efforts to return a deposit.

*Indicates Change

DATE OF ISSUE April 29, 2016

DATE EFFECTIVE May 29, 2016

ISSUED BY Michael Moehn
NAME OF OFFICER

President
TITLE

St. Louis, Missouri
ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

Original SHEET NO. 141.1

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

SHEET NO. _____

APPLYING TO _____

MISSOURI SERVICE AREA

GENERAL RULES AND REGULATIONS

VI. DEPOSIT PRACTICES (Cont'd.)

C. GENERAL PROVISIONS (Cont'd.)

*3. Interest Paid On Deposits

Interest will be credited annually on all residential deposits. Interest will be either credited to the service account of the residential customer on an annual basis or paid upon the return of the deposit. Simple interest will be payable upon the return of a non-residential deposit held by the Company for six months or longer. Interest shall not accrue on any cash deposit after the date the deposit is applied to the customer's account, or Company has made a reasonable effort to return such deposit to the customer. Interest will be paid at a per annum rate equal to the prime bank lending rate, as published in the Wall Street Journal for the last business day of November of the preceding calendar year, plus one percentage point.

*4. Final Billed Accounts

Upon termination of service, the deposit, with accrued interest, will be credited to the final bill and the balance, if more than \$1.00, will be returned within twenty-one (21) days to the customer. If such amount is less than \$1.00, it will be returned upon request of customer.

DATE OF ISSUE April 29, 2016

DATE EFFECTIVE May 29, 2016

ISSUED BY Michael Moehn
NAME OF OFFICER

President
TITLE

St. Louis, Missouri
ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

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SHEET NO. _____

APPLYING TO MISSOURI SERVICE AREA

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ISSUED BY Michael Moehn
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St. Louis, Missouri
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GENERAL RULES AND REGULATIONS

VII. DISCONNECTION AND RECONNECTION OF SERVICE

A. REASONS FOR DENIAL OR DISCONNECTION OF SERVICE

In addition to any other right reserved by Company in its schedules, rules and regulations, Company reserves and shall have the right to deny service, or after written notice, to disconnect service supplied by it to an electric customer for any of the following reasons:

1. Nonpayment of an undisputed delinquent account;
2. For failure by non-residential customer to pay when due bills for service supplied to such customer within twelve months immediately preceding the date of such notice of customer's current location or at any other location of customer at which similar service is now or has been supplied;
3. Failure to make and maintain a deposit or acceptable guarantee in accordance with the rules and regulations of Company and of regulatory authorities having jurisdiction;
4. Failure to comply with the terms and conditions of a settlement agreement with the Company regarding a dispute or payment of service charges;
5. Refusal after reasonable notice to permit inspection, maintenance, replacement or meter reading of Company equipment. If the Company has a reasonable belief that health or safety is at risk, notice at the time inspection is attempted is reasonable.
6. Misrepresentation of identity for the purpose of obtaining service;
7. Whenever customer disposes of any electric service to another party in any manner other than as expressly authorized by these rules and regulations;
8. Violation of any rules and regulations of the Company on file with and approved by any regulatory authority having jurisdiction or of any such regulatory authority which adversely affects the safety of the customer or other persons or the integrity of the Company's delivery system.
9. As provided by state or federal law.
10. Unauthorized use, interference or diversion of service

Company will inform the prospective customer of the refusal of service in writing and maintain a record of the notice.

B. NOTICE OF INTENT TO DISCONNECT RESIDENTIAL SERVICE

- * Notice of intent to disconnect service will state the name and address of the customer (and the service address if it is different), the reason for which service will be disconnected, the cost for reconnection if any, the date on or after which such disconnection may be effected, how a customer may avoid being disconnected, and a telephone number the customer may call. Additional information regarding the possibility of a payment agreement, Company's medical

*Indicates Change.

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ISSUED BY Martin J. Lyons
NAME OF OFFICER

Chairman & President
TITLE

St. Louis, Missouri
ADDRESS

MO.P.S.C. SCHEDULE NO. 6 ~~3rd2nd~~ Revised SHEET NO. 143

CANCELLING MO.P.S.C. SCHEDULE NO. 6 ~~2nd1st~~ Revised SHEET NO. 143

APPLYING TO MISSOURI SERVICE AREA

GENERAL RULES AND REGULATIONS

VII. DISCONNECTION AND RECONNECTION OF SERVICE (Cont'd.)

B. NOTICE OF INTENT TO DISCONNECT RESIDENTIAL SERVICE (Cont'd.)

* equipment registry, medical hardship payment deferrals, third-party notification, payment options and how to contact energy assistance agencies will also be printed on all residential disconnect notices beginning when Company's remote disconnect functionality becomes operational.

1. Individual Residential Customer Premises

Said notice will be sent to the customer by first class mail not less than ten (10) days prior to the date of the proposed disconnection or delivered to customer not less than 96 hours prior to such date.

2. Single Metered Multi-Dwelling Unit Residential Buildings

At least ten (10) days prior to disconnection of service for nonpayment of a bill or deposit at a multi-dwelling unit residential building at which usage is measured by a single meter, notices of the Company's intent to disconnect will be conspicuously posted in public areas of the building. Such notices will not be required, however, if the Company is not aware that said structure is a single metered multi-dwelling unit residential building or in individual situations where the safety of the Company's employees or agents may be a consideration. ~~If the electric service is necessary to the proper function and operation of a customer's heating equipment, said notice will inform the occupants of their right, under state law, to initiate a receivership procedure.~~

3. Individually Metered Multi-Dwelling Unit Residential Buildings

At least ten (10) days prior to disconnection of service for nonpayment of a bill or deposit at (a) a multi-dwelling unit residential building where each unit is individually metered, but a single customer is responsible for payment for service in all units in the building, or at (b) a residence in which the occupant using the Company's service is not the Company's customer, the occupant(s) shall be given written notice of the Company's intent to disconnect service, provided however, that such notice will not be required unless one (1) occupant has advised the Company, or the Company is otherwise aware, that he is not the customer. The notice will outline the procedure by which the occupant may apply in his or her name for service of the same character received through that meter. ~~If the electric service for (a) is heat related, said notice will inform the occupants of their right, under state law, to initiate a receivership procedure.~~

** 4. Medical Equipment Registry Accounts

For all of the items 1. through 3. above, where the account has enrolled as described below in Medical Equipment Registry, said notice will be sent not less than fifteen (15) days prior to the date of the proposed disconnection and an additional notice will be sent by certified mail at least seven (7) days prior to the date of the proposed disconnection.

*Indicates Change. **Indicates Addition.

DATE OF ISSUE JuneJanuary 280, 2024+ DATE EFFECTIVE JulyFebruary 28+9, 2024+

ISSUED BY Markrtin CJ. BirkLyons Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

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APPLYING TO MISSOURI SERVICE AREA

GENERAL RULES AND REGULATIONS

VII. DISCONNECTION AND RECONNECTION OF SERVICE (Cont'd.)

C. RESIDENTIAL CUSTOMER CONTACT AND NOTICE OF DISCONNECTION

***1. Where an operational AMI remote disconnect is present:**

At least 24 hours preceding disconnection of service, the Company will attempt to contact a residential customer through a series of communications to advise of the pending action and what steps must be taken to avoid disconnection. Such communications will include not less than two (2) call attempts and an additional notice via the customer's elected preferred communication method. A final call attempt will be made within 24 hours of the discontinuance of service.

Any third-party notifications established by customer will also receive the same notice and communication attempts.

(This section reflects a variance from Rule 20 CSR 4240-13.050(9), Rule 20 CSR 4240-13.055(3) (C), and Rule 20 CSR 4240-13.055(3) (D) granted by Commission in File No. EE-2019-0382.)

****2. Where an operational AMI remote disconnect is not present:**

Immediately preceding the disconnection of service, the Company employee or agent designated to perform such function will, except in individual situations where the safety of the employee or agent may be a consideration, make a reasonable effort to contact and identify himself to the customer or responsible person at the premises to announce his purpose.

When service is disconnected, the Company employee or agent will leave a notice at the premises in a manner conspicuous to the customer that service has been disconnected and the Company address and telephone number where the customer may arrange to have service restored.

D. NOTICE OF INTENT TO DISCONNECT NON-RESIDENTIAL SERVICE

Notice of intent to disconnect service for a non-residential customer under this rule shall state the reason for which service will be disconnected and shall specify a date after which such disconnection may be effected, and such notice shall be mailed to or served upon customer not less than 48 hours prior to such date.

*****E. DISCONNECTION HOURS**

Company will disconnect electric service between the hours of 8:00 a.m. and 4:00 p.m. on the date specified on the notice of disconnection or within thirty (30) calendar days thereafter except that disconnections shall not occur on the following State of Missouri bank holidays: New Year's Day, Martin Luther King, Jr. Day, Lincoln's Birthday, Washington's Birthday, Truman Day, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day, and Christmas Day.

*Indicates Addition. **Indicates Reissue. ***Indicates Change.

DATE OF ISSUE January 20, 2021 DATE EFFECTIVE February 19, 2021

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

MO.P.S.C. SCHEDULE NO. 6 ~~3rd~~^{2nd} Revised SHEET NO. 145

CANCELLING MO.P.S.C. SCHEDULE NO. 6 ~~2nd~~^{1st} Revised SHEET NO. 145

APPLYING TO MISSOURI SERVICE AREA

GENERAL RULES AND REGULATIONS

VII. DISCONNECTION AND RECONNECTION OF SERVICE (Cont'd.)

F. DELAY OF DISCONNECTION FOR MEDICAL REASONS

The Company will postpone the disconnection of service to a residential customer for a time not in excess of 21 days if the Company is advised the disconnection will aggravate an existent medical emergency of the customer, a member of his family or other permanent resident of the premises. The Company may require a customer to provide satisfactory evidence that a medical emergency exists before postponing the disconnection of service.

*G. AVOIDANCE OF DISCONNECTION OF SERVICE

Disconnection of electric service will not be performed if, on or before the date specified in the notice of intent to disconnect, the customer shall:

1. (a) Make good the default by paying such bills for service ~~at a Company office~~, or make arrangements satisfactory to Company, therefor, (b) make or restore such deposit ~~at a Company office~~, (c) give Company representatives such access, or (d) cure such violation of rules and regulations, as the case may be; and
2. Pay ~~at a Company office~~ the expenses incurred by Company in detecting and confirming obstruction of electric service. Such expenses will include, but not be limited to all unmetered service as estimated by Company, special equipment necessary to detect the violation (such as check meter), equipment necessary to prevent future violations, labor and materials necessary to test, change, move or install new meters or other equipment and the cost of any rebilling, as applicable.

H. DISCONNECTION OR INTERRUPTION OF SERVICE WITHOUT PRIOR NOTICE

Company shall have the right to disconnect or interrupt service without prior notice for reasons of obstruction; maintenance, health, safety or state of emergency, or in cases where Company is directed to interrupt service by a governmental agency or officer. In such cases Company will make a reasonable effort to inform customer of the reasons for disconnection or interruption of service.

*Indicates Reissue.

DATE OF ISSUE June ~~January~~ 28~~0~~, 2024~~1~~ DATE EFFECTIVE July ~~February~~ 28~~19~~, 2024~~1~~

ISSUED BY Mark ~~artin~~ C.J. Birk ~~Lyon~~ Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6 ~~1st Revised~~Original SHEET
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CANCELLING MO.P.S.C. SCHEDULE NO. 6 ~~Original~~ SHEET
NO. ~~145.1~~

APPLYING TO MISSOURI SERVICE AREA

GENERAL RULES AND REGULATIONS

VII. DISCONNECTION AND RECONNECTION OF SERVICE (Cont'd.)

I. RECONNECTION OF SERVICE

In the event Company disconnects service, in addition to customer's continuing liability for all indebtedness then owed by customer to Company for service supplied at customer's current location and for similar service supplied at any other location of customer, customer shall also be liable for and shall also pay Company for the expenses incurred by Company in detecting and confirming the violation which occasioned such disconnection of electric service. In the event any such disconnected customer, or anyone acting for him, thereafter desires to receive service from Company by reconnection at the same location or at any other location, the payment to Company of the aforesaid liabilities and the payment to Company of each of the following items, as applicable, or the making of arrangements satisfactory to Company therefore, shall be conditions precedent to such reconnection or connection:

1. The charge for reconnection of service indicated on Sheet No. 63, Miscellaneous Charges, for each connection point.
2. Any deposit which may be required by Company under its applicable rules and regulations; and,
3. The cost of facilities or changes Company deems necessary or appropriate in order to prevent, insofar as possible, any future violation by customer of the rules and regulations of the Company as well as the cost of rebilling, as applicable.

*J. MEDICAL EQUIPMENT REGISTRY

Company will maintain a medical equipment registry of customers whose health situation requires the availability of electric service to operate certain medically necessary equipment. Information regarding eligible equipment and how to register will be available by calling Company or, as soon as practical, through an online web page. MER customers that would otherwise be subject disconnection will first receive a service extender for approximately 20-30 days before a disconnection notice is issued. The service extender allows the customer to receive sufficient power to run the MER eligible equipment listed on the account.

*Indicates Reissue.

DATE OF ISSUE June ~~280~~, 2024~~+~~ DATE EFFECTIVE July ~~February 2819~~, 2024~~+~~

ISSUED BY Mark ~~in C.J. Birk~~ Lyons Chairman & President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 158

CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 158

APPLYING TO MISSOURI SERVICE AREA

COMMUNITY SOLAR PILOT PROGRAM

PURPOSE

The purpose of the Community Solar Pilot Program (Program) is to examine the interest of customers in an opportunity to subscribe to a designated solar resource (Resource) within the Company's Missouri service territory.

PROGRAM DESCRIPTION

Program participants will subscribe to and enroll in the Program and by doing so, agree to pay for Solar Blocks of 100 kilowatt-hour (kWh) each that will replace an equivalent kWh amount of electricity they receive from their standard class of service.

AVAILABILITY

Electric service under this Program is only available to full service electric customers currently served by the Company. Customers can replace up to 50% of their average annual energy usage. Customers must qualify for service under either Company Service Classification Residential Service 1(M) or Small General Service 2(M). Customers will be deemed ineligible for the Program if they have received a disconnection notice within twelve (12) months preceding their application.

Participants will be enrolled on a first-come, first-served basis. Participants can enroll or cancel subject to the Program Provisions and Special Terms. Service hereunder is provided through one meter to one end-use customer and may not be redistributed or resold.

DEFINITIONS

Solar Block - 100 kWh of solar energy per billing month. The number of blocks available will be determined by the total estimated average annual production over the life of the Resource.

- * Solar Availability Bank - The number of Solar Blocks available for subscription in any given month, for a specific Resource, based on the estimated average annual production over the life of the Resource minus Solar Blocks covered by existing subscriptions.
- * Term of Enrollment - The enrollment term shall expire October 13, 2021.
- * Resource Term - The resource term shall be 25 years from the date of the Resource being placed into service.

**** MONTHLY BILL**

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

The Solar Blocks supplied under this Program, pursuant to the customer's subscribed amount, will replace an equal amount of kWh the customer would otherwise be billed under their Energy Charge and Energy Efficiency Program Charge.

All other usage-based charges in the customer's applicable tariff schedule will be billed at the actual metered electricity usage.

*Indicates Change. **Indicates Reissue.

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

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 158.1

CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 158.1

APPLYING TO MISSOURI SERVICE AREA

COMMUNITY SOLAR PILOT PROGRAM (Cont'd.)

*** TERM OF ENROLLMENT**

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

If more than one Resource exists under the Program, the remaining length of the Resource Term will depend on the Resource that is assigned to an individual participant. In the event there are available Solar Blocks in the Solar Availability Bank for more than one Resource, the Resource with the shorter remaining Resource Term will be assigned first.

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

PROGRAM PROVISIONS AND SPECIAL TERMS

- 1. Qualifying customers are eligible to subscribe to at least one (1) Solar Block, regardless of their annual usage, as long as they meet all other provisions.
- 2. In any given billing month, an unused Solar Block or portion of a Solar Block subscribed by customer will not be carried over into any subsequent billing month.
- * 3. All rights to the solar renewable energy certificates (SREC) associated with the generation output of the Resource(s) will be owned by the Company and will be retired on behalf of participants within the Commission-approved tracking system.
- 4. Enrollment; Participation Fee; Commitment:
 - * a. The Company may construct new Resources if there are sufficient subscriptions to support the Resources and the Commission approves a Certificate or Certificates of Convenience and Necessity (CCN). Upon grant of a CCN, construction of a new Resource shall not begin until at least 90 percent of the Resource's solar blocks are subscribed or able to be filled through the waitlist.
 - * b. Customers enrolling in the Program will be assigned to the Resources until such time as all of the Solar Blocks for existing Resources are subscribed. If all Solar Blocks are subscribed, a customer may still be placed on a waitlist for a new Resource and, upon enrollment, such customers shall pay a Program participation fee of \$25 per block. Collected Program participation fees will be treated by the Company as a Contribution in Aid of Construction upon construction of the Resource.

*Indicates Change

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

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 158.2

CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 158.2

APPLYING TO MISSOURI SERVICE AREA

COMMUNITY SOLAR PILOT PROGRAM (Cont'd.)

PROGRAM PROVISIONS AND SPECIAL TERMS (Cont'd.)

- c. On and after the date the Company commits to construct a Resource, which commitment shall occur upon the Company posting its commitment on its website and sending an e-mail, if available, or by letter, announcing its commitment to the enrollees assigned to a Resource, said enrollees will be obligated to participate in the Program and pay the charges thereunder for a term of two years after the Resource's in-service date, unless the customer no longer takes service from the Company. Until said committal date, an enrollee may withdraw from the Program via the Company's website or by calling the Company's toll-free customer service line and shall receive a refund of the enrollee's Program participation fee. However, a customer that is a participant in the Program will be permitted to withdraw from the Program before the two-year commitment period has been completed only if a customer on the waitlist for which there is not a Resource available can take the withdrawing participant's place for the Resource, and the withdrawing participant will not be refunded any fees.
- * d. Any enrollee from whom a Program participation fee has been collected who has not received service from the Resource by June 30, 2022, will be refunded the Program participation fee.
- e. Customers may enroll in the Program via the Company's website or by calling the Company's toll-free customer service line after the Company has committed to build the Resource, and throughout the Program's operation, during any period when there exists a Solar Availability Bank, without paying a Program participation fee. The Company will maintain a waiting list of customers interested in enrolling in the Program during periods when there is no Solar Availability Bank, and will notify customers on the waiting list via e-mail or letter when the Bank becomes available.
- f. The Company will continue to share the risk for undersubscribed Resources as discussed in paragraph 15 of the Amended Unanimous Stipulation And Agreement filed in EA-2016-0207.
- 5. The Solar Generation Charge associated with the Solar Block will be capped for Resource Term at the initially offered level, but may decrease if incremental capacity additions to or retirements from the Resources occur and result in a lower aggregate functionalized generation cost of all Resources placed in service under this Program. The Total Facilities Charge will be subject to adjustment in each general rate case during the applicable Resource Term.
- 6. Where an additional Resource is added to the Program, the levelized cost of the new Resource will be averaged with the remaining levelized cost of existing Resource to determine the new fixed levelized cost that determines the Solar Generation Charge and contributes to the total cost of the Solar Block. This change would apply to all subscribers under the Program.
- 7. Payments for Solar Blocks will be due no later than the due date shown on the bill and will be incorporated into the customer's standard billing cycle.

*Indicates Change.

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

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 158.3

CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 158.3

APPLYING TO MISSOURI SERVICE AREA

COMMUNITY SOLAR PILOT PROGRAM (Cont'd.)

PROGRAM PROVISIONS AND SPECIAL TERMS (Cont'd.)

- 8. Any customer being served or having been served on this Program waives all rights to any billing adjustments arising from a claim that the customer's service would be at a lower cost had the customer not participated in the Program for any period of time.
- 9. If a customer moves to another location within the Company's Missouri service territory the customer's subscription will also transfer.
- 10. Subscription cancelations will result in available Solar Blocks going back into the Solar Availability Bank. Any surplus of kWh from Solar Blocks will be forfeited back into the Solar Availability Bank without any monetary reimbursement to subscriber.
- 11. After the expiration of any two-year commitment as provided for in paragraph 4.B, customers that subscribe will continue as Program participants until they cancel their subscription or the Program is terminated, whichever occurs first. For enrollments occurring 20 or more days before a customer's next billing cycle, enrollment fees or refunds of participation fees, if otherwise allowed hereunder, shall be charged or credited, as appropriate, via the customer's bill in that next billing cycle; otherwise, in the second billing cycle after enrollment or withdrawal.
- 12. Any customer who terminates Program participation must wait three (3) months after the first billing cycle without a subscription to re-enroll in the Program.
- 13. Customers with Net Metering agreements and customers served on Time-of-Use Service rate schedules other than the Residential ~~Evening/Morning/Daytime/Overnight~~ rate schedule are ineligible for the Program.
- * 14. Program participants may transfer their subscription to the Community Solar Program (Rider CSP) when a Rider CSP program resource is available for subscription. The solar energy associated the Solar Blocks of a transferring customer's subscription will be converted to an equivalent number of kWh for subscription under Rider CSP.

GENERAL RULES AND REGULATIONS

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

DATE OF ISSUE February 14, 2022 DATE EFFECTIVE February 28, 2022

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

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

2nd Revised SHEET NO. 158.3

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

1st Revised SHEET NO. 158.3

APPLYING TO MISSOURI SERVICE AREA

*Indicates Addition

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NAME OF OFFICER TITLE ADDRESS

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

MISSOURI SERVICE AREA

SOLAR BLOCK MONTHLY CHARGES

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

Solar Block Charges for a 100 kWh Block

<u>Service Classification</u>	<u>Residential Service 1 (M)</u>	<u>Small General Service 2 (M)</u>
Solar Generation Charge	\$ 8.51	\$ 8.51
*Total Facilities Charge	<u>\$ 3.61</u>	<u>\$ 2.62</u>
*Total Solar Block Charge	\$ 12.12	\$ 11.13

*Indicates Change.

Issued pursuant to the Order of the Mo.P.S.C. in Case No. ER-2022-0337.

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DATE EFFECTIVE July 9, 2023

ISSUED BY Mark C. Birk
NAME OF OFFICER

Chairman & President
TITLE

St. Louis, Missouri
ADDRESS

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CANCELLING MO.P.S.C. SCHEDULE NO. 6 ~~Original~~ SHEET NO. 162

APPLYING TO MISSOURI SERVICE AREA

PILOTS, VARIANCES AND PROMOTIONAL PRACTICES

F. VOLUNTARY ELECTRONIC BILL RENDERING AND PAYMENT PROGRAM

AVAILABILITY

This program will be made available on a voluntary basis to customers who are billed under Service Classifications No. 1(M) or No. 2(M) with postcard billing (i.e., not required to have demand metering) provided customer has access to a personal computer and the Internet.

GENERAL DESCRIPTION

~~Paperless Billing is a free and voluntary electronic bill rendering program. The Company's customers who choose affirmative election ("program participants") agree that the Company will deliver a digital copy of their bill to the program participant instead of mailing or hand-delivering the bill. As part of the program, program participants will receive a monthly email with a link to view and pay their bill. Digital accessibility to the bill is available on the company's website at Ameren.com. To view a digital copy of their bill, any Company customer, including program participants, can create and log in to their secure online account at Ameren.com where they can view and/or print copies of their bills. Program participants may also choose to receive Paperless Billing text alerts on their mobile phone. Text alerts contain summary information about their monthly bill, including a link to view their bill on Ameren.com. In addition, bill information, including PDF links of current and prior bills, is available to any Company customer, including program participants, who downloads and uses the Ameren Mobile app. There is no fee for making payments online or via the Ameren Mobile App. Company customers, including program participants, can choose to receive their paperless bill at their bank's website if the bank uses Fiserv/CheckFree as their backend processor. In addition, program participants may pay their bill via any of the available payment options currently offered by the Company to any of its customers. Standard billing and payment terms and conditions apply to program participants.~~

~~This program will permit the Company to deliver to program participants, including participants in the Company's Budget Bill Plan, an electronic image of a bill through the use of the Internet, instead of mailing or hand delivery of a bill. As part of the enrollment process, the customer will choose a login identification number and a password as a means to prevent others from viewing the customer's bills. Customers participating in this program prior to May 4, 2008 will have to affirmatively elect the discontinuation of mailed or hand delivered bills.~~

~~Company will provide the customer's account data to CheckFree ("vendor"), which will in turn format this data into a bill layout. This electronic bill layout may not exactly resemble the customer's paper bill layout.~~

~~The Company or the designated vendor will present the bill to the customer via the Internet and, also, provide the customer a means to pay the bill via the Internet. However, customers may continue to pay the bill via all payment options available to those not participating in the program.~~

DATE OF ISSUE JuneMay 2831, 202413 DATE EFFECTIVE Julyne 2830, 202413

ISSUED BY Mark C. BirkWarner L. BaxterChairman & President ~~& CEO~~ St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 ~~1st Revised~~Original SHEET NO. 162

CANCELLING MO.P.S.C. SCHEDULE NO. 6 ~~Original~~ SHEET NO. 162

APPLYING TO MISSOURI SERVICE AREA

CUSTOMER COST

Neither the Company nor the vendor will require the customer to pay any fee for participation in this program.

TERM

Customers may terminate participation in this program at any time.

DATE OF ISSUE June~~May 28~~31, 2024~~13~~ DATE EFFECTIVE July~~June 28~~30, 2024~~13~~

ISSUED BY Mark C. Birk~~Warner L. Baxter~~Chairman & President~~& CEO~~ St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

