

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 91CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 91APPLYING TO MISSOURI SERVICE AREA

RIDER EEIC
ENERGY EFFICIENCY INVESTMENT CHARGE
For MEEIA Cycle 2 Plan

APPLICABILITY

This Rider EEIC - Energy Efficiency Investment Charge (Rider EEIC) is applicable to all kilowatt-hours (kWh) of energy supplied to customers served under Company's Service Classification Nos. 1(M), 2(M), 3(M), 4(M), 11(M), and 12(M), excluding kWh of energy supplied to "opt-out" or "low-income" customers.

An Ameren Missouri low-income customer who has received assistance from Missouri Energy Assistance (a.k.a. Low Income Home Energy Assistance Program or LIHEAP), Winter Energy Crisis Intervention Program, or Summer Energy Crisis Intervention Program and (i) whose account has not automatically been exempted from Rider EEIC, or (ii) who has been charged Rider EEIC charges and whose account has not been credited for said charges, may provide the Company, via facsimile to **866.297.8054**, via email to myhomeamerenmissouri@ameren.com, or via regular mail to **Ameren Missouri, P.O. Box 790352, St. Louis, MO 63179-0352**

- a. documentation of the assistance received in the form of:
 - i. a copy of the Division of Social Services Family Support Division ("DSSFSD") form EA-7 energy assistance payment notice received by the low-income customer, or
 - ii. a copy of the DSSFSD LIHEAP Energy Assistance direct payment check received by the low-income customer, or
 - iii. a copy of the Contract Agency energy crisis intervention program ("ECIP") payment notification letter received by the low-income customer, or
 - iv. a printout of the low-income customer's DSSFSD LIHEAP EA EIRG System Registration screen identifying the supplier, benefit amount and payment processing date.
- b. Upon receipt of the documentation, the Company will credit the low-income customer's account for:
 - i. energy efficiency investment charges, and
 - ii. any municipal charges attributable to said EEIC charges, that were previously charged to the low-income customer within twelve billing months following the documented receipt of energy assistance; provided that the low-income customer shall not be entitled to any credit, nor shall Company credit the low-income customer, for energy efficiency investment charges and associated municipal charges incurred and billed prior to the June 2015 commencement of the low-income exemption.
- c. Upon receipt of the documentation, for the remainder of the twelve months following the documented receipt of energy assistance, the Company will exempt such low-income customer from any Rider EEIC charges thereafter imposed. The exemption will be evidenced on the low-income customer's bill as an EEIC charge, followed by a credit.

Charges passed through this Rider EEIC reflect the charges approved to be billed from the implementation of the Missouri Energy Efficiency Investment Act (MEEIA) 2016-18 Plan and any remaining unrecovered balances from the MEEIA 2013-15 plan. Those charges include:

DATE OF ISSUE	February 5, 2016	DATE EFFECTIVE	March 1, 2016
ISSUED BY	Michael Moehn	President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

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RIDER EEIC
ENERGY EFFICIENCY INVESTMENT CHARGE (Cont'd.)
For MEEIA Cycle 2 Plan

APPLICABILITY (Cont'd.)

- 1) Program Costs, Company's Throughput Disincentive ((TD) and Earnings Opportunity (EO) Award (if any) for each Effective Period (EP)
- * 2) Reconciliations, with interest, to true-up for differences between the revenues billed under this Rider EEIC and total actual monthly amounts for:
 - i) Program Costs incurred in the MEEIA 2016-18 Plan, including those related to Long-Lead Projects, and/or remaining unrecovered Program balances for MEEIA 2013-15,
 - ii) Company's TD incurred in the MEEIA 2016-18 Plan, including those related to Long-Lead Projects, and/or remaining TD-NSB Share balances for MEEIA 2013-15,
 - iii) Amortization of Earnings Opportunity ordered by the Missouri Public Service Commission (Commission), including those related to Long-Lead Projects, and/or remaining balances for the MEEIA 2013-15 Performance Incentive.
- 3) Any Ordered Adjustments.

Charges under this Rider EEIC shall continue after the anticipated February 28, 2019 end of MEEIA 2016-18 Plan until such time as the charges described in items 1), 2), and 3) above have been billed.

Charges arising from the MEEIA 2016-18 Plan that are the subject of this Rider EEIC shall be reflected in one "Energy Efficiency Invest Chg" on customers' bills in combination with any charges arising from a rider that is applicable to the MEEIA 2013-15 Plan demand-side management programs.

DEFINITIONS

As used in this Rider EEIC, the following definitions shall apply:

"AFUDC" means the Allowance for Funds Used During Construction rate computed in accordance with the formula prescribed in the Code of Federal Regulations Title 18 Part 101.

"Company's Throughput Disincentive" (TD) means to represent the utility's lost margins associated with the successful implementation of MEEIA programs. The detailed method for calculating the TD is described in Tariff Sheets 91.6 - 91.8.

"Earnings Opportunity" (EO) means the amount ordered by the Commission based on actual performance verified through Evaluation Measurement & Verification (EM&V) against planned targets. The details of determining EO are described herein.

"Effective Period" (EP) means the twelve (12) billing months beginning with the February billing month and ending with the January billing month. Where an additional Rider EEIC filing is made to change the EEIR components during a calendar year, the EP for such a filing shall begin with the June or October billing month and end with the subsequent January billing month.

- * "End Use Category" means the unique summary category of end-use load shapes. The list of End Use Categories is included in Appendix E to the Stipulation.

*Indicates Change.

DATE OF ISSUE June 29, 2017 DATE EFFECTIVE July 29, 2017ISSUED BY Michael Moehn President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 91.2CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 91.2APPLYING TO MISSOURI SERVICE AREARIDER EEICENERGY EFFICIENCY INVESTMENT CHARGE (Cont'd.)For MEEIA Cycle 2 PlanDEFINITIONS (Cont'd.)

* "Evaluation Measurement & Verification" (EM&V) means the performance of studies and activities intended to evaluate the process of the Company's program delivery and oversight and to estimate and/or verify the estimated actual energy and demand savings, cost effectiveness, and other effects from demand-side programs.

"Impact Measurement & Verification" (IM&V) means the determination of ex-post net energy and demand savings for Long-Lead Projects through application of a net-to-gross ratio, but does not include a cost-effectiveness analysis.

"Incentive" means any consideration provided by the Company, including, but not limited to, buy downs, markdowns, rebates, bill credits, payments to third parties, direct installation, giveaways, and education, which encourages the adoption of program measures.

** "Long-Lead Program Costs" means incentive payments made to customers, contract payments made to program administrators, and costs for IM&V. There will be no portfolio-level costs allocated to long-lead projects.

** "Long-Lead Project" means a project committed by a Customer, accepted by the Company, and submitted a signed commitment offer to the program administrator by January 31, 2019, according to the terms and implementation of the MEEIA 2016-2018 Energy Efficiency Plan that will require until a date after February 28, 2019, but no later than January 31, 2021, to certify completion.

"Low-Income" customers means those Service Classification 1(M)-Residential customers eligible for the low income exemption provisions contained in Section 393.1075.6, RSMo. As approved in File No. ER-2014-0258, customers eligible under this definition will be exempt from Rider EEIC charges for 12 billing months following assistance received from either Missouri Energy Assistance (a.k.a. Low Income Home Energy Assistance Program or LIHEAP), Winter Energy Crisis Intervention Program, Summer Energy Crisis Intervention Program, the Company's Keeping Current Low Income Pilot Program, and/or the Company's Keeping Cool Low Income Pilot Program.

"Measure" means energy efficiency measures described for each program attached as Appendix B to the Stipulation.

"MEEIA 2013-15 Plan" means Company's "2013-15 Energy Efficiency Plan" submitted in File No. EO-2012-0142 and its corresponding tariff sheets.

"MEEIA 2016-18 Plan" means Company's "2016-18 Energy Efficiency Plan" submitted in File No. EO-2015-0055 and modified by the Stipulation.

"Programs" means MEEIA 2016-18 programs listed in tariff sheet no. 174.

"Program Costs" means any prudently incurred program expenditures, including such items as program planning, program design, administration, delivery, end-use measures and incentive payments, advertising expense, evaluation, measurement and verification, market potential studies and work on a utility and/or statewide Technical Resource Manual (TRM).

"TRM" means the Company's Technical Resource Manual (attached as Appendix F to the Stipulation) and updated based on EM&V ex-post gross adjustments determined for Year 1 no later than twenty-four (24) months after commencement of MEEIA 2016-18.

"Stipulation" means the Stipulation and Agreement approved by the Commission in File No. EO-2015-0055, as it may be amended further by subsequent Commission orders.

*Indicates Reissue. **Indicates Addition.

DATE OF ISSUE June 29, 2017 DATE EFFECTIVE July 29, 2017ISSUED BY Michael Moehn President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

RIDER EEIC
ENERGY EFFICIENCY INVESTMENT CHARGE (Cont'd.)
For MEEIA Cycle 2 Plan

ENERGY EFFICIENCY INVESTMENT RATE (EEIR) DETERMINATION

The EEIR during each applicable EP is a dollar per kWh rate for each applicable Service Classification calculated as follows:

$$EEIR = [NPC + NTD + NEO + NOA]/PE$$

Where:

NPC = Net Program Costs for the applicable EP as defined below,

$$NPC = PPC + PCR$$

PPC = Projected Program Costs is an amount equal to Program Costs projected by the Company to be incurred during the applicable EP.

PCR = Program Costs Reconciliation is equal to the cumulative difference, if any, between the PPC revenues billed resulting from the application of the NPC component of the EEIR and the actual Program Costs incurred through the end of the previous EP (which will reflect projections through the end of the previous EP due to timing of adjustments). Such amounts shall include monthly interest charged at the Company's monthly short-term borrowing rate. Any remaining PCR balance from MEEIA Cycle 1 shall be rolled into the PCR calculation starting February 2017.

NTD = Net Throughput Disincentive for the applicable EP as defined below,

$$NTD = PTD + TDR$$

PTD = Projected Throughput Disincentive is the Company's TD projected by the Company to be incurred during the applicable EP. For the detailed method for calculating the TD, see Sheet 91.6.

TDR = Throughput Disincentive Reconciliation is equal to the cumulative difference, if any, between the PTD revenues billed during the previous EP resulting from the application of the NTD component of the EEIR and the Company's TD through the end of the previous EP (which will reflect projections through the end of the previous EP due to timing of adjustments). Such amounts shall include monthly interest charged at the Company's monthly short-term borrowing rate. Any remaining TDR balance from MEEIA Cycle 1 shall be rolled into the TDR calculation starting February 2017.

NEO = Net Earnings Opportunity for the applicable EP as defined below,

$$NEO = EO + EOR$$

EO = Earnings Opportunity is equal to the Earnings Opportunity Award monthly amortization multiplied by the number of billing months in the applicable EP.

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ENERGY EFFICIENCY INVESTMENT CHARGE (Cont'd.)
For MEEIA Cycle 2 Plan

EEIR DETERMINATION (Cont'd.)

The monthly amortization shall be determined by dividing the Earnings Opportunity Award by the number of available billing months between the first billing month of the first EEIR filing after the determination of the Earnings Opportunity Award and 24 calendar months following the end of the annual period in which the Earnings Opportunity Award is determined.

The number of applicable billing months in the EP shall be the number of applicable billing months less the number of months including Earnings Opportunity Award amortization from previous EPs.

EOR = Earnings Opportunity Reconciliation is equal to the cumulative difference, if any, between the EO revenues billed resulting from the application of the NEO+NPI component of the EEIR and the monthly amortization of the Performance Incentive Award through the end of the previous EP (which will reflect projections through the end of the previous EP due to timing of adjustments). Such amounts shall include monthly interest charged at the Company's monthly short-term borrowing rate. Any remaining PIR balance from MEEIA Cycle 1 shall be rolled into the EOR calculation starting February 2019.

NOA = Net Ordered Adjustment for the applicable EP as defined below,

$$NOA = OA + OAR$$

OA = Ordered Adjustment is the amount of any adjustment to the Rider EEIC ordered by the Commission as a result of prudence reviews and/or corrections under this Rider EEIC. Such amounts shall include monthly interest at the Company's monthly short-term borrowing rate.

OAR = Ordered Adjustment Reconciliation is equal to the cumulative difference, if any, between the OA revenues billed resulting from the application of the EEIR and the actual OA ordered by the Commission through the end of the previous EP (which will reflect projections through the end of the previous EP due to timing of adjustments). Such amounts shall include monthly interest charged at the Company's monthly short-term borrowing rate.

PE = Projected Energy, in kWh, forecasted to be delivered to the customers to which the Rider EEIC applies during the applicable EP.

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ENERGY EFFICIENCY INVESTMENT CHARGE (Cont'd.)
For MEEIA Cycle 2 Plan

EEIR DETERMINATION (Cont'd.)

The EEIR components and Total EEIR applicable to the individual Service Classifications shall be rounded to the nearest \$0.000001.

Allocations of charges for each applicable Service Classification for the MEEIA 2016-18 Plan will be made in accordance with the Stipulation and Agreement in File No. EO-2015-0055, Company's MEEIA 2016-18 Plan.

This Rider EEIC shall not be applicable to customers that have satisfied the opt-out provisions contained in Section 393.1075.7, RSMo or the low-income exemption provisions described herein.

DATE OF ISSUE February 5, 2016 DATE EFFECTIVE March 1, 2016

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

RIDER EEIC
ENERGY EFFICIENCY INVESTMENT CHARGE (Cont'd.)
For MEEIA Cycle 2 Plan

TD DETERMINATION

Monthly TD is the sum of the TD calculation for all End Use Categories applicable to Service Classifications as set out in the Availability section herein.

The TD for each End Use Category shall be determined by the following formula:

$$TD = MS \times NMR \times NTGF$$

Where:

- TD = Throughput Disincentive, in dollars, to be collected for a given month, for a given Service Classification.
- MS = Monthly Savings, is the sum of all programs' monthly savings, in kWh, for a given month, for a given Service Classification. The MS for each End Use Category shall be determined by the following formula:

$$MS = ((MAS_{CM} / 2) + CAS_{PM} - RB) \times LS$$

Where:

MAS_{CM} = The sum of (MC x ME) for all measures in a program in the current calendar month.

MC = Measure Count. MC for a given month, for a given Service Classification, for each measure, is the number of each measure installed in the current calendar month. For the Home Energy Report program, the number of reports mailed during the current calendar month shall be used as the Measure Count.

ME = Measure Energy. ME will be determined as follows, for each Measure:

- a. Prior to finalization of EM&V for MEEIA 2016-18 Plan, Year 1 programs, for Measures not listed under those programs listed in (c) below, the ME is the annual total of normalized savings for each measure at customer meter per measure defined in the Company's Technical Resource Manual (TRM).
- b. After finalization of EM&V for MEEIA 2016-18 Plan, Year 1 programs, for Measures not listed under those programs listed in (c) below, the ME is the annual total of normalized savings for each measure at customer meter per measure defined in the updated TRM (which will be updated based on EM&V ex-post gross adjustments determined for Year 1 no later than 24 months after the commencement of MEEIA 2016-18 Plan).

APPLYING TO MISSOURI SERVICE AREA

RIDER EEIC
ENERGY EFFICIENCY INVESTMENT CHARGE (Cont'd.)
For MEEIA Cycle 2 Plan

TD DETERMINATION (Cont'd.)

a. For Measures under the -Business Custom Incentive Program, Business New Construction Incentive Program, and Business Retro-Commissioning Program, the ME will be the annual value attributable to the installations reported monthly by the program implementer.

CM = Current calendar month.

CAS = Cumulative sum of MAS of all prior calendar months for each End Use Category for the MEEIA 2016-18 Plan.

PM = Prior calendar month.

RB = Rebasing Adjustment. The RB shall equal the CAS applicable as of the date used for MEEIA normalization when base rates are adjusted in any general electric rate case or otherwise resulting in new retail electric rates becoming effective during the accrual and collection of TD pursuant to this MEEIA 2016-18 Plan. In the event base rates are adjusted by more than one general electric rate case or otherwise resulting in new rates becoming effective during the accrual and collection of TD pursuant to this MEEIA 2016-18 Plan occurs, the RB adjustment shall include each and every prior RB adjustment calculation.

LS = Load Shape. The LS is the monthly load shape percent (%) for each End-Use Category (attached as Appendix E to the Stipulation).

*NMR = Net Margin Revenue. NMR values for each applicable Service Classification are as follows:

Month	Service Classifications				
	1 (M) Res \$/kWh	2 (M) SGS \$/kWh	3 (M) LGS \$/kWh	4 (M) SPS \$/kWh	11 (M) LPS \$/kWh
January	0.041430	0.045700	0.034588	0.035639	0.028725
February	0.042148	0.045551	0.035551	0.036287	0.031331
March	0.044040	0.048054	0.036561	0.036895	0.030147
April	0.045920	0.050473	0.037263	0.036579	0.030010
May	0.048148	0.052224	0.038191	0.038374	0.031032
June	0.103081	0.089681	0.077969	0.078589	0.056455
July	0.103081	0.089681	0.076643	0.077954	0.058907
August	0.103081	0.089681	0.076994	0.078763	0.057650
September	0.103081	0.089681	0.077319	0.078028	0.058389
October	0.045144	0.050437	0.037248	0.037245	0.031531
November	0.048189	0.051888	0.037606	0.037399	0.031034
December	0.043856	0.048895	0.035990	0.036578	0.029560

* Indicates Change.

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 91.8CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 91.8APPLYING TO MISSOURI SERVICE AREARIDER EEICENERGY EFFICIENCY INVESTMENT CHARGE (Cont'd.)For MEEIA Cycle 2 PlanTD DETERMINATION (Cont'd.)

The Company shall file an update to NMR rates by month by Service Classification contemporaneous with filing any compliance tariff sheets in any general electric rate case reflecting the rates set in that case, and the billing determinants used in setting rates in such case. Updates to the NMR values shall be calculated following the same process described on pages 32-35 of the Company's filed December 22, 2014 2016-18 Energy Efficiency Plan.

NTGF = Net To Gross Factor. The initial NTGF is 0.85. Upon completion of the three year cycle, the final portfolio Net To Gross factor applied for the Earnings Opportunity shall be used as the NTGF prospectively starting with the month in which the Earnings Opportunity is determined.

Annual kWh savings per measure will be updated prospectively in the Company's TRM no later than twenty-four (24) months after the commencement of the plan based on EM&V ex-post gross adjustments determined for Year 1.

* The Company shall file a general electric rate case at some point before February 28, 2021 to make a Rebasing Adjustment to rebase the TD arising from the MEEIA 2016-18 plan in its entirety, except as described below concerning Long-Lead Projects, and if Company fails to do so, the accrual and collection of the TD terminates beginning March 1, 2021. The filing of a general electric rate case utilizing an update or true-up period that ends between thirty (30) months and sixty (60) months after the effective date of the electric tariff sheets implementing MEEIA 2016-18 satisfies this requirement. For the rate case used to rebase the TD arising from the MEEIA 2016-18 plan in its entirety, the MEEIA normalization shall reach forward as far as the effective date of new rates in that rate case.

** Projects designated as Long-Lead Projects shall continue to incur TD until a rate case rebases all such projects or until February 28, 2023, whichever occurs first.

*Indicates Change. **Indicates Addition.

DATE OF ISSUE	<u>June 29, 2017</u>	DATE EFFECTIVE	<u>July 29, 2017</u>
ISSUED BY	<u>Michael Moehn</u>	<u>President</u>	<u>St. Louis, Missouri</u>
	NAME OF OFFICER	TITLE	ADDRESS

APPLYING TO MISSOURI SERVICE AREA

RIDER EEIC
ENERGY EFFICIENCY INVESTMENT CHARGE (Cont'd.)
For MEEIA Cycle 2 Plan

***EO DETERMINATION**

EO shall be calculated using the matrix below. EO will not go below zero dollars (\$0). The EO at 100% is \$27,801,935. Before adjustments reflecting TD EM&V including NTG, the EO cannot go above \$39,212,516. The EO including adjustments reflecting TD EM&V including NTG cannot go above \$54,212,516. The cap is based on current program levels. If Commission approved new programs are added in years 2017 and 2018, the Company may seek Commission approval to have the targets and the cap of the EO matrix scale adjusted. EO shall be adjusted for the difference, with carrying cost at the Company's monthly Allowance for Funds Used During Construction (AFUDC) rate compounded semi-annually, between TD billed and what TD billed would have been if:

- (1) The ME used in the calculation were the normalized savings for each measure at customer meter per measure determined through EM&V ex-post gross analysis for each program year, and
- (2) The NTGF used in the calculation was the net-to-gross values determined through EM&V, except that if the NTGF value determined through EM&V is less than 0.80, the recalculation shall use 0.80 and if the NTG value determined through EM&V is greater than 1.0, the recalculation shall use 1.0.

***EARNINGS OPPORTUNITY MATRIX**

Performance Metric	Ameren Missouri						
	Payout Rate	Payout Unit	% of Target EO	100% payout	Target @ 100%	Cap/100% Multiplier	Cap
Home Energy Report criteria will be effective, prudent spend of budget	n/a		7.19%	\$ 2,000,000			\$ 2,000,000
EE MWh (Excl. Home Energy Report, TStat & LIMF): criteria will be the cumulative of the 1st yr incremental MWh during the 3 year plan	\$ 7.50	\$/MWh	15.11%	\$ 4,201,935	560,258	130%	\$ 5,462,516
EE Coincident MW (Excl. Home Energy Report, TStat & LIMF): criteria will be cumulative of the 2023 MW reduction, coincident with system peak	\$ 141,428.57	\$/MW	71.22%	\$ 19,800,000	140	150%	\$ 29,700,000
Number of Learning Thermostats Installed	\$ 30.62	\$/Unit	1.80%	\$ 500,000	16,331	150%	\$ 750,000
Low Income Multi-Family (LIMF) and Low Income Assistance Program: criteria will be effective, prudent spend of budget	n/a		4.68%	\$ 1,300,000			\$ 1,300,000
				\$ 27,801,935			\$ 39,212,516
Total Cap Including TD Adjustments							\$ 54,212,516

*Indicates Change

DATE OF ISSUE April 18, 2017 DATE EFFECTIVE May 18, 2017

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

MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 91.10

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

APPLYING TO MISSOURI SERVICE AREA

RIDER EEIC
ENERGY EFFICIENCY INVESTMENT CHARGE (Cont'd.)
For MEEIA Cycle 2 Plan

FILING

The Company shall make a Rider EEIC filing each calendar year to be effective for the subsequent calendar year's February billing month. The Company is allowed or may be ordered by the Commission to make one other Rider EEIC filing in each calendar year with such subsequent filing to be effective beginning with either the June or October billing month. Rider EEIC filings shall be made at least sixty (60) days prior to their effective dates.

PRUDENCE REVIEWS

A prudence review shall be conducted no less frequently than at twenty-four (24) month intervals in accordance with 4 CSR 240-20.093(10). Any costs which are determined by the Commission to have been imprudently incurred or incurred in violation of the terms of this Rider EEIC shall be addressed through an adjustment in the next EEIR determination and reflected in factor OA herein.

DATE OF ISSUE February 5, 2016 DATE EFFECTIVE March 1, 2016

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 4th Revised SHEET NO. 91.11

CANCELLING MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 91.11

APPLYING TO MISSOURI SERVICE AREA

RIDER EEIC

ENERGY EFFICIENCY INVESTMENT CHARGE (Cont'd.)

(Applicable To Determination of EEIR Beginning February, 2019 through the Billing Month of January 2020)

MEEIA 2013-15 EEIR Components (Applicable to MEEIA Cycle 1 Plan)

Service Class	NPC/PE (\$/kWh)	NTD/PE (\$/kWh)	NPI/PE (\$/kWh)	NOA/PE (\$/kWh)
1 (M)-Residential Service	\$0.000000	\$0.000000	\$0.000039	\$0.000000
2 (M)-Small General Service	\$0.000000	\$0.000000	\$0.000055	\$0.000000
3 (M)-Large General Service	\$0.000000	\$0.000000	\$0.000112	\$0.000000
4 (M)-Small Primary Service	\$0.000000	\$0.000000	\$0.000094	\$0.000000
11 (M)-Large Primary Service	\$0.000000	\$0.000000	\$0.000185	\$0.000000
12 (M)-Large Transmission Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000

MEEIA 2016-18 EEIR Components (Applicable to MEEIA Cycle 2 Plan)

Service Class	NPC/PE (\$/kWh)	NTD/PE (\$/kWh)	NEO/PE (\$/kWh)	NOA/PE (\$/kWh)
1 (M)-Residential Service	(\$0.000614)	\$0.001109	\$0.000000	\$0.000005
2 (M)-Small General Service	\$0.000580	\$0.002301	\$0.000000	(\$0.000002)
3 (M)-Large General Service	\$0.000584	\$0.001802	\$0.000000	(\$0.000002)
4 (M)-Small Primary Service	\$0.000598	\$0.001492	\$0.000000	(\$0.000002)
11 (M)-Large Primary Service	\$0.000687	\$0.000648	\$0.000000	(\$0.000002)
12 (M)-Large Transmission Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000

Summary EEIR Components and Total EEIR

Service Class	NPC (\$/kWh)	NTD (\$/kWh)	(NEO+NPI) (\$/kWh)	NOA (\$/kWh)	Total EEIR (\$/kWh)
1 (M)-Residential Service	(\$0.000614)	\$0.001109	\$0.000039	\$0.000005	\$0.000539
2 (M)-Small General Service	\$0.000580	\$0.002301	\$0.000055	(\$0.000002)	\$0.002934
3 (M)-Large General Service	\$0.000584	\$0.001802	\$0.000112	(\$0.000002)	\$0.002496
4 (M)-Small Primary Service	\$0.000598	\$0.001492	\$0.000094	(\$0.000002)	\$0.002182
11 (M)-Large Primary Service	\$0.000687	\$0.000648	\$0.000185	(\$0.000002)	\$0.001518
12 (M)-Large Transmission Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000

DATE OF ISSUE November 20, 2018 DATE EFFECTIVE January 25, 2019

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

MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 91.12

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

APPLYING TO MISSOURI SERVICE AREA

RIDER EEIC
ENERGY EFFICIENCY INVESTMENT CHARGE
For MEEIA 2019-21 Plan

APPLICABILITY

This Rider EEIC - Energy Efficiency Investment Charge (Rider EEIC) is applicable to all kilowatt-hours (kWh) of energy supplied to customers served under Company's Service Classification Nos. 1(M), 2(M), 3(M), 4(M), 11(M), and 12(M), excluding kWh of energy supplied to "opt-out" or "Low-income" customers.

An Ameren Missouri Low-income customer who has received assistance from Missouri Energy Assistance (a.k.a. Low Income Home Energy Assistance Program or LIHEAP), Winter Energy Crisis Intervention Program, or Summer Energy Crisis Intervention Program and (i) whose account has not automatically been exempt from Rider EEIC, or (ii) who has been charged Rider EEIC charges and whose account has not been credited for said charges, may provide the Company, via facsimile to **866.297.8054**, via email to myhomeamerenmissouri@ameren.com, or via regular mail to **Ameren Missouri, P.O. Box 790352, St. Louis, MO 63179-0352**

- a. documentation of the assistance received in the form of:
 - i. a copy of the Division of Social Services Family Support Division ("DSSFSD") form EA-7 energy assistance payment notice received by the Low-income customer, or
 - ii. a copy of the DSSFSD LIHEAP Energy Assistance direct payment check received by the Low-income customer, or
 - iii. a copy of the Contract Agency energy crisis intervention program ("ECIP") payment notification letter received by the Low-income customer, or
 - iv. a printout of the Low-income customer's DSSFSD LIHEAP EA EIRG System Registration screen identifying the supplier, benefit amount and payment processing date.
- b. Upon receipt of the documentation, the Company will credit the Low-income customer's account within 12 billing months following the documented receipt of energy assistance for:
 - i. energy efficiency investment charges, and
 - ii. any municipal charges attributable to said EEIC charges that were previously charged to the Low-income customer;
- c. Upon receipt of the documentation, for the remainder of the 12 months following the documented receipt of energy assistance, the Company will exempt such Low-income customer from any Rider EEIC charges thereafter imposed. The exemption will be evidenced on the Low-income customer's bill as an EEIC charge, followed by a credit.

Charges passed through this Rider EEIC reflect the charges approved to be billed from the implementation of the Missouri Energy Efficiency Investment Act (MEEIA) 2019-21 Plan and any remaining unrecovered balances from the MEEIA 2016-18 Plan. Those charges include:

DATE OF ISSUE <u>December 21, 2018</u>	DATE EFFECTIVE <u>January 20, 2019</u>	
ISSUED BY <u>Michael Moehn</u>	<u>President</u>	<u>St. Louis, Missouri</u>
NAME OF OFFICER	TITLE	ADDRESS

MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 91.13

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

APPLYING TO MISSOURI SERVICE AREA

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

APPLICABILITY (Cont'd.)

- 1) Program Costs, Company's Throughput Disincentive (TD) and Earnings Opportunity Award (if any) for each Effective Period (EP).
- 2) Reconciliations, with interest, to true-up for differences between the revenues billed under this Rider EEIC and total actual monthly amounts for:
 - i) Program Costs incurred in the MEEIA 2019-21 Plan and/or remaining unrecovered Program Cost balances for MEEIA 2016-18;
 - ii) Company's TD incurred in the MEEIA 2019-21 Plan and/or remaining unrecovered TD balances for MEEIA 2016-18;
 - iii) Amortization of Earnings Opportunity Award ordered by the Missouri Public Service Commission (Commission) for the MEEIA 2019-21 Plan and/or remaining unrecovered EO balances for MEEIA 2016-18.
- 3) Any Ordered Adjustments.

Charges under this Rider EEIC shall continue after the anticipated December 31, 2021 end of the non-low-income portions of the MEEIA 2019-21 Plan and after December 31, 2024 for the low-income portion of the MEEIA 2019-21 Plan until such time as the charges described in items 1), 2), and 3) above have been billed. Any programs and/or balance associated with the low-income portions of the MEEIA 2019-21 Plan may be rolled into the recovery mechanism for an approved MEEIA program that commences in 2022.

Charges arising from the MEEIA 2019-21 Plan that are the subject of this Rider EEIC shall be reflected in one "Energy Efficiency Invest Chg" on customers' bills in combination with any charges arising from a rider that is applicable to previous MEEIA plans.

DEFINITIONS

As used in this Rider EEIC, the following definitions shall apply:

"Deemed Savings Table" means a list of Measures derived from the Company's TRM that characterizes associated gross energy and demand savings with Company-specific Measure parameters where available, as outlined in Appendix F to the MEEIA 2019-21 Plan and updated as provided for herein based on EM&V *ex-post* gross adjustments.

"Earnings Opportunity Award" (EO) means the dollar amount calculated for each Program Year by the EO Calculator as described in the Earnings Opportunity Award Determination section below.

"Effective Period" (EP) means the billing months for which an approved EEIR is to be effective, i. e., the 12 billing months beginning with the February billing month and ending with the January billing month unless here is an additional Rider EEIC filing is made to change the Energy Efficiency Investment Rate components during a calendar year, the EP for such a filing shall begin with the June or October billing month and end with the subsequent January billing month.

"End Use Category" means the unique summary category of end-use load shapes. The list of End Use Categories is included in Appendix G to the MEEIA 2019-21 Plan.

DATE OF ISSUE <u>December 21, 2018</u>	DATE EFFECTIVE <u>January 20, 2019</u>	
ISSUED BY <u>Michael Moehn</u>	<u>President</u>	<u>St. Louis, Missouri</u>
NAME OF OFFICER	TITLE	ADDRESS

APPLYING TO _____

MISSOURI SERVICE AREARIDER EEICENERGY EFFICIENCY INVESTMENT CHARGE (Cont'd.)For MEEIA 2019-21 PlanDEFINITIONS (Cont'd.)

"Incremental Internal Labor Cost and Associated Benefits" (IIL) means the labor costs and associated benefits of personnel 1) hired by Ameren Missouri after Commission approval of the MEEIA 2019-21 Plan that were (a) not hired to replace an Ameren Missouri or Ameren Services Company employee whose labor and benefit costs were accounted for in Ameren Missouri's prior general rate proceeding, (b) hired by Ameren Missouri and assigned exclusively to support Ameren Missouri's MEEIA Programs; and 2) were not an Ameren Missouri or Ameren Services Company employee whose labor and benefit costs were accounted for in Ameren Missouri's prior general rate proceeding.

"Evaluation Measurement & Verification" (EM&V) means the performance of studies and activities intended to evaluate the process of the Company's Program delivery and oversight and to estimate and/or verify the estimated actual energy and demand savings, cost effectiveness, and other effects from demand-side Programs.

"Incentive" means any consideration provided by the Company, including, but not limited to, buy downs, markdowns, rebates, bill credits, payments to third parties, direct installation, giveaways, and education, which encourages the adoption of Program Measures.

"Low-Income" customers means those Service Classification 1(M) residential customers eligible for the low income exemption provisions contained in Section 393.1075.6, RSMo. As approved in File No. ER-2014-0258, customers eligible under this definition will be exempt from Rider EEIC charges for 12 billing months following assistance received from either Missouri Energy Assistance (a.k.a. Low Income Home Energy Assistance Program or LIHEAP), Winter Energy Crisis Intervention Program, Summer Energy Crisis Intervention Program, the Company's Keeping Current Low Income Pilot Program, and/or the Company's Keeping Cool Low Income Pilot Program.

"Measure" means the same as defined in 4 CSR 240-20.092(1)FF.

"MEEIA 2016-18 Plan" means Company's "2016-18 Energy Efficiency Plan" approved in File No. EO-2015-0055.

"MEEIA 2019-21 Plan" means Company's "2019-21 MEEIA Energy Efficiency Plan" approved in File No. EO-2018-0211 as may be amended.

"Programs" means MEEIA 2019-21 programs listed in tariff sheet nos. 174 and 174.1.

"Program Costs" means any prudently incurred Program expenditures, including such items as Program planning, education Programs, Program design, administration, delivery, end-use Measures and Incentive payments, advertising expense, EM&V, market potential studies, work on a Company and/or statewide Technical Resource Manual, and IIL.

"Program Year" means the period of Programs that ends on December 31 of each year of the MEEIA 2019-21 Plan. The first Program Year will be 10 months long and each subsequent Program Year will be 12 months long.

"TRM" means the Company's Technical Resource Manual (attached as Appendices G-I to the MEEIA 2019-21 Plan) and updated based on EM&V ex-post gross adjustments.

DATE OF ISSUE December 21, 2018DATE EFFECTIVE January 20, 2019ISSUED BY Michael Moehn
NAME OF OFFICERPresident
TITLESt. Louis, Missouri
ADDRESS

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

ENERGY EFFICIENCY INVESTMENT RATE (EEIR) DETERMINATION

The EEIR during each applicable EP is a dollar per kWh rate for each applicable Service Classification calculated as follows:

$$EEIR = [NPC + NTD + NEO + NOA]/PE$$

Where:

NPC = Net Program Costs for the applicable EP as defined below,

$$NPC = PPC + PCR$$

PPC = Projected Program Costs is an amount equal to Program Costs projected by the Company to be incurred during the applicable EP.

PCR = Program Costs Reconciliation is equal to the cumulative difference, if any, between the PPC revenues billed resulting from the application of the NPC component of the EEIR and the actual Program Costs incurred through the end of the previous EP (which will reflect projections through the end of the previous EP due to timing of adjustments). Such amounts shall include monthly interest charged at the Company's monthly short-term borrowing rate. Any remaining PCR balance from MEEIA 2016-18 shall be rolled into the PCR calculation starting February 2022.

NTD = Net Throughput Disincentive for the applicable EP as defined below,

$$NTD = PTD + TDR$$

PTD = Projected Throughput Disincentive is the Company's TD projected by the Company to be incurred during the applicable EP. For the detailed method for calculating the TD, see Sheet 91.17.

TDR = Throughput Disincentive Reconciliation is equal to the cumulative difference, if any, between the PTD revenues billed during the previous EP resulting from the application of the NTD component of the EEIR and the Company's TD through the end of the previous EP (which will reflect projections through the end of the previous EP due to timing of adjustments). Such amounts shall include monthly interest charged at the Company's monthly short-term borrowing rate. Any remaining TDR balance from MEEIA 2016-18 shall be rolled into the TDR calculation starting February 2024.

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

EEIR DETERMINATION (Cont'd.)

NEO = Net Earnings Opportunity for the applicable EP as defined below,

$$NEO = EO + EOR$$

EO = Earnings Opportunity is equal to the sum of the monthly amortizations of each Program Year's Earnings Opportunity Award multiplied by the number of billing months in the applicable EP.

A monthly amortization shall be determined by dividing each Program Year's Earnings Opportunity Award by 12. The monthly amortization of each Program Year's Earnings Opportunity Award will continue through each subsequent EEIR determination until such time that the total Earnings Opportunity Award for that Program Year has been fully amortized.

EOR = Earnings Opportunity Reconciliation is equal to the cumulative difference, if any, between the EO revenues billed resulting from the application of the EEIR and the monthly amortization of the EO through the end of the previous EP (which will reflect projections through the end of the previous EP due to timing of adjustments). Such amounts shall include monthly interest charged at the Company's monthly short-term borrowing rate. Any remaining EO balance from MEEIA 2016-18 shall be rolled into the EOR calculation starting February 2022.

NOA = Net Ordered Adjustment for the applicable EP as defined below,

$$NOA = OA + OAR$$

OA = Ordered Adjustment is the amount of any adjustment to the EEIR ordered by the Commission as a result of prudence reviews and/or corrections under this Rider EEIC. Such amounts shall include monthly interest at the Company's monthly short-term borrowing rate.

OAR = Ordered Adjustment Reconciliation is equal to the cumulative difference, if any, between the OA revenues billed resulting from the application of the EEIR and the actual OA ordered by the Commission through the end of the previous EP (which will reflect projections through the end of the previous EP due to timing of adjustments). Such amounts shall include monthly interest charged at the Company's monthly short-term borrowing rate.

PE = Projected Energy, in kWh, forecasted to be delivered to the customers to which the Rider EEIC applies during the applicable EP.

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

EEIR DETERMINATION (Cont'd.)

The EEIR components and total EEIR applicable to the individual Service Classifications shall be rounded to the nearest \$0.000001.

Allocations of charges for each applicable Service Classification will be made in accordance with the MEEIA 2019-21 Plan.

This Rider EEIC shall not be applicable to customers that have satisfied the opt-out provisions contained in Section 393.1075.7, RSMo or the Low-income exemption provisions described herein.

TD DETERMINATION

Monthly TD is the sum of the TD calculation for all End Use Categories and Demand Response Event Net Energy (DRENE).

The TD for each End Use Category shall be determined by the following formula:

$$TD = MS \times NMR \times NTGF$$

Where:

- TD = Throughput Disincentive, in dollars, to be collected for a given month, for a given Service Classification.
- MS = Monthly Savings, is the sum of all Programs' monthly savings, in kWh, for a given month, for a given Service Classification. The MS for each End Use Category shall be determined by the following formula:

$$MS = ((MAS_{CM} / 2) + CAS - RB) \times LS + DRENE_{CM}$$

Where:

MAS_{CM} = The sum of (MC x ME) for all Measures in a Program in the current calendar month.

MC = Measure Count. MC for a given month, for a given Service Classification, for each Measure, is the number of each Measure installed in the current calendar month. For the Home Energy Report Program, the number of reports mailed during the current calendar month shall be used as the Measure Count.

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

TD DETERMINATION (Cont'd.)

- ME = Measure Energy. ME will be determined as follows, for each Measure:
 - a. For Measures in the Deemed Savings Table (including Residential Demand Response energy savings not included in $DRENE_{CM}$), the ME is the annual total of normalized savings for each Measure at customer meter per Measure defined in the Company's current Deemed Savings Table.
 - b. For Measures not in the Deemed Savings Table, the ME will be the annual value attributable to the installations reported monthly by the Program administrator.

- CM = Current calendar month.

- CAS = Cumulative sum of MAS of all prior calendar months for each End Use Category for the MEEIA 2019-21 Plan.

- RB = Rebasing Adjustment. The RB shall equal the CAS applicable as of the date used for MEEIA normalization when base rates are adjusted in any general electric rate case or otherwise resulting in new retail electric rates becoming effective during the accrual and collection of TD pursuant to this MEEIA 2019-21 Plan. In the event base rates are adjusted by more than one general electric rate case or otherwise resulting in new rates becoming effective during the accrual and collection of TD pursuant to this MEEIA 2019-21 Plan occurs, the RB adjustment shall include each and every prior RB adjustment calculation.

- LS = Load Shape. The LS is the monthly load shape percent (%) for each End-Use Category (included in the MEEIA 2019-21 Plan).

- $DRENE_{CM}$ = Demand Response Event Net Energy for the Current Month. $DRENE_{CM}$ is the net energy savings resulting from demand response events during the month as reported by the program administrator consistent with TRM guidance. $DRENE_{CM}$ incurred during the time period used for establishing billing determinants in general rate proceedings will be added back to those billing determinants and will not be included in the Rebasing Adjustment.

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

Original

SHEET NO. 91.19

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

SHEET NO. _____

APPLYING TO MISSOURI SERVICE AREA

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

TD DETERMINATION (Cont'd.)

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

Month	Service Classifications	
	1(M)Res \$/kWh	2(M)SGS \$/kWh
January	0.040912	0.048845
February	0.042255	0.050525
March	0.044016	0.053255
April	0.047279	0.056875
May	0.048669	0.058104
June	0.103081	0.089681
July	0.103081	0.089681
August	0.103081	0.089681
September	0.103081	0.089681
October	0.044204	0.054614
November	0.047620	0.056771
December	0.044224	0.054182

Month	MISC./AIR COMP./ PROCESS/MOTORS			COOLING			EXT LIGHTING		
	3M	4M	11M	3M	4M	11M	3M	4M	11M
January	0.028837	0.029367	0.022321	0.020434	0.018259	0.012194	0.020459	0.020099	0.014092
February	0.030424	0.028156	0.023022	0.021371	0.016681	0.012194	0.021389	0.016704	0.014169
March	0.027963	0.029522	0.023028	0.020814	0.018474	0.024788	0.020832	0.018730	0.012477
April	0.031394	0.029638	0.023969	0.036473	0.033537	0.025435	0.024082	0.020250	0.014023
May	0.033144	0.031688	0.022296	0.047361	0.050122	0.038579	0.023474	0.019354	0.009123
June	0.067466	0.063761	0.047784	0.085470	0.085609	0.070991	0.043839	0.035239	0.016554
July	0.064869	0.062199	0.047090	0.079600	0.077784	0.056470	0.041855	0.034766	0.015981
August	0.064941	0.062284	0.048728	0.080858	0.081328	0.065873	0.042049	0.034934	0.016664
September	0.064744	0.061714	0.050555	0.086388	0.088530	0.080601	0.043088	0.035014	0.016628
October	0.031406	0.030110	0.026031	0.035669	0.032810	0.026007	0.022105	0.018803	0.012432
November	0.031883	0.029601	0.025073	0.036271	0.018471	0.025714	0.022845	0.018645	0.012223
December	0.031376	0.029519	0.024128	0.021906	0.018622	0.012194	0.022103	0.018646	0.012434

DATE OF ISSUE December 21, 2018

DATE EFFECTIVE January 20, 2019

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. 91.20

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

SHEET NO. _____

APPLYING TO _____

MISSOURI SERVICE AREA

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

TD DETERMINATION (Cont'd.)

Month	HVAC/BUILDING SHELL			LIGHTING			REFRIG.		
	3M	4M	11M	3M	4M	11M	3M	4M	11M
January	0.030917	0.034631	0.028109	0.030337	0.030348	0.024101	0.027471	0.026660	0.020583
February	0.033918	0.032668	0.028694	0.031578	0.029642	0.024224	0.028762	0.026023	0.021209
March	0.031923	0.032861	0.026006	0.029073	0.030255	0.024219	0.026635	0.028083	0.022631
April	0.031832	0.028600	0.024521	0.033868	0.032836	0.027072	0.031028	0.029251	0.023497
May	0.039836	0.040345	0.030636	0.035269	0.034421	0.025065	0.031754	0.029905	0.020457
June	0.084589	0.084532	0.069979	0.071685	0.068874	0.052904	0.064432	0.060088	0.044804
July	0.079186	0.077313	0.056050	0.068940	0.066079	0.050737	0.061809	0.058246	0.041439
August	0.080331	0.080699	0.065254	0.068929	0.067052	0.052405	0.062076	0.058860	0.044228
September	0.082673	0.083918	0.075671	0.066718	0.064139	0.053394	0.061824	0.058139	0.046254
October	0.031611	0.030361	0.025126	0.033523	0.032705	0.029243	0.030010	0.028407	0.024185
November	0.034071	0.028774	0.032796	0.032968	0.031579	0.026602	0.030481	0.028224	0.022780
December	0.032547	0.033151	0.022975	0.031876	0.029846	0.025098	0.029911	0.027204	0.022469

Month	COOK.			DHW			HEAT.		
	3M	4M	11M	3M	4M	11M	3M	4M	11M
January	0.029335	0.028072	0.021931	0.028914	0.026605	0.020530	0.030918	0.034632	0.028109
February	0.030444	0.028181	0.022646	0.029624	0.027128	0.021175	0.033936	0.032692	0.028717
March	0.027954	0.031021	0.025800	0.026900	0.030259	0.024917	0.032333	0.033374	0.026423
April	0.034623	0.033511	0.027992	0.033877	0.032666	0.027083	0.034872	0.031897	0.028295
May	0.035035	0.034118	0.024764	0.034614	0.033575	0.024223	0.031898	0.030089	0.020648
June	0.072717	0.070125	0.054609	0.072634	0.070024	0.056577	0.043387	0.034696	0.015898
July	0.069795	0.067217	0.047024	0.069797	0.066151	0.044496	0.041418	0.034215	0.015898
August	0.070017	0.068352	0.052298	0.069950	0.068273	0.051532	0.041611	0.034412	0.015898
September	0.069062	0.067034	0.056678	0.068093	0.065836	0.055321	0.066915	0.064383	0.053671
October	0.033170	0.032272	0.028720	0.032781	0.031795	0.028691	0.033552	0.032740	0.027396
November	0.032781	0.032064	0.025111	0.032649	0.031565	0.023978	0.034641	0.029296	0.033757
December	0.032272	0.029187	0.026321	0.032145	0.028226	0.025832	0.032552	0.033158	0.022980

Month	OFFICE			VENT		
	3M	4M	11M	3M	4M	11M
January	0.028912	0.029008	0.022823	0.027075	0.027309	0.021202
February	0.030128	0.027775	0.022932	0.028366	0.025517	0.021266
March	0.027659	0.028321	0.022770	0.026315	0.026726	0.021190
April	0.031335	0.029612	0.023893	0.030946	0.029067	0.023391
May	0.033021	0.031531	0.022134	0.032051	0.030286	0.020851
June	0.065832	0.061780	0.045606	0.064034	0.059606	0.043470
July	0.063333	0.060295	0.046200	0.062011	0.058795	0.044294
August	0.063397	0.060440	0.047069	0.062115	0.058907	0.045558
September	0.062184	0.058580	0.046787	0.061305	0.057503	0.045482
October	0.031362	0.030056	0.025896	0.030392	0.028873	0.024566
November	0.031416	0.029112	0.024666	0.029407	0.026561	0.022237
December	0.030371	0.028225	0.022762	0.029943	0.028088	0.022198

DATE OF ISSUE December 21, 2018

DATE EFFECTIVE January 20, 2019

ISSUED BY Michael Moehn
 NAME OF OFFICER

President
 TITLE

St. Louis, Missouri
 ADDRESS

APPLYING TO MISSOURI SERVICE AREARIDER EEICENERGY EFFICIENCY INVESTMENT CHARGE (Cont'd.)
For MEEIA 2019-21 PlanTD DETERMINATION (Cont'd.)

The Company shall file an update to NMR rates by month by Service Classification and by end-use category contemporaneous with filing any compliance tariff sheets in any general electric rate case reflecting the rates set in that case, and the billing determinants used in setting rates in such case. Updates to the NMR values shall be calculated following the same process described in the Marginal Rate Analysis section of the MEEIA 2019-21 Plan.

NTGF = Net-To-Gross Factor. For each Program Year, all TD calculations will assume a NTGF of 0.85 until such time as a NTGF is determined through EM&V for that Program Year. Thereafter, for each given Program Year, the NTGF determined through EM&V will be used prospectively starting with the month in which the Earnings Opportunity Award is determined.

Annual kWh savings per Measure will be updated prospectively in the Company's TRM and Deemed Savings Table.

EARNINGS OPPORTUNITY AWARD DETERMINATION

An Earnings Opportunity Award shall be calculated for each Program Year using the EO Calculator submitted with the MEEIA 2019-21 Plan as Appendix N. The Earnings Opportunity Award will not go below zero dollars (\$0). If Commission-approved new programs are added to the Program, the Company may seek Commission approval to have the targets and the cap of the Earnings Opportunity Award adjusted. For each Program Year the Earnings Opportunity Award shall be adjusted for the difference, with carrying cost at the Company's monthly short-term interest rate, between TD revenues billed resulting from the application of the EEIR and what those revenues would have been if:

- (1) The ME used in the calculation were the normalized savings for each Measure at customer meter per Measure determined through EM&V *ex-post* gross analysis for each Program Year, and
- (2) The NTGF used in the calculation was the net-to-gross values determined through EM&V.

FILING

The Company shall make a Rider EEIC filing each calendar year to be effective for the subsequent calendar year's February billing month. The Company is allowed or may be ordered by the Commission to make one other Rider EEIC filing in each calendar year with such subsequent filing to be effective beginning with either the June or October billing month. Rider EEIC filings shall be made at least 60 days prior to their effective dates.

PRUDENCE REVIEWS

A prudence review shall be conducted no less frequently than at 24-month intervals in accordance with 4 CSR 240-20.093(11). Any costs which are determined by the Commission to have been imprudently incurred or incurred in violation of the terms of this Rider EEIC shall be addressed through an adjustment in the next EEIR determination and reflected in factor OA herein.

DATE OF ISSUE December 21, 2018 DATE EFFECTIVE January 20, 2019ISSUED BY Michael Moehn President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS