

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](mailto: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.

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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.

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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.

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NAME OF OFFICER TITLE ADDRESS

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<sub>CM</sub> = 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**

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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 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

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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. 91.20

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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

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ISSUED BY Michael Moehn  
 NAME OF OFFICER

President  
 TITLE

St. Louis, Missouri  
 ADDRESS

MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 91.21

CANCELLING MO.P.S.C. SCHEDULE NO. \_\_\_\_\_ SHEET NO. \_\_\_\_\_

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

**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

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

Original

SHEET NO. 91.22

CANCELLING MO.P.S.C. SCHEDULE NO. \_\_\_\_\_

SHEET NO. \_\_\_\_\_

APPLYING TO \_\_\_\_\_

**MISSOURI SERVICE AREA**

**RIDER EEIC**

**ENERGY EFFICIENCY INVESTMENT CHARGE (Cont'd.)**

(Applicable To Determination of EEIR Beginning February, 20XX through the Billing Month of January 20XX)

**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	\$0.000000	\$0.000000	\$0.000000	\$0.000000
2(M)-Small General Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000
3(M)-Large General Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000
4(M)-Small Primary Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000
11(M)-Large Primary Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000
12(M)-Large Transmission Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000

**MEEIA 2019-21 EEIR Components (Applicable to MEEIA Cycle 3 Plan)**

Service Class	NPC/PE (\$/kWh)	NTD/PE (\$/kWh)	NEO/PE (\$/kWh)	NOA/PE (\$/kWh)
1(M)-Residential Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000
2(M)-Small General Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000
3(M)-Large General Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000
4(M)-Small Primary Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000
11(M)-Large Primary Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000
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	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000
2(M)-Small General Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000
3(M)-Large General Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000
4(M)-Small Primary Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000
11(M)-Large Primary Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000
12(M)-Large Transmission Service	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000

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MO.P.S.C. SCHEDULE NO. 62nd RevisedSHEET NO. 174CANCELLING MO.P.S.C. SCHEDULE NO. 61st RevisedSHEET NO. 174APPLYING TO MISSOURI SERVICE AREATABLE OF CONTENTSENERGY EFFICIENCY AND DEMAND SIDE MANAGEMENT PROGRAMS

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\*Indicates Addition

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**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

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APPLYING TO MISSOURI SERVICE AREA

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**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

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APPLYING TO MISSOURI SERVICE AREA

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ENERGY EFFICIENCY MEEIA 2019-21PURPOSE

The purpose of the Energy Efficiency Portfolio, which consists of several programs, is to proactively impact customer energy use and decrease peak demand in such a way as to reduce electric consumption and coincided peak demand. With the exception of low-income and education programs, the programs included in this tariff are expected to be cost effective, having a Total Resource Cost Test ratio of greater than 1.0.

DEFINITIONS

Unless otherwise defined, capitalized terms used in Tariff Sheet Nos. 221 through 244.1 have the following meanings:

Applicant - A customer who has submitted a program application or has had a program application submitted on their behalf by an agent or Trade Ally.

Business Program - An energy efficiency program that is available to a customer receiving electric service under Service Classifications Small General Service Rate 2(M), Large General Service Rate 3(M), Small Primary Service Rate 4(M), Large Primary Service Rate 11(M), or Large Transmission Service Rate 12(M).

Deemed Savings Table - 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.

Demand-Side Programs Investment Mechanism (DSIM) - A mechanism approved by the Commission in the Company's filing for demand-side program approval in File No. EO-2018-0211.

Incentive - Any consideration provided by the Company directly or through the Program Administrator, Trade Ally, and/or Program Partners which encourages the adoption of Measures, including in the form of cash, buydowns, markdowns, rebates, bill credits, payments to third parties, direct installation, donations or giveaways, and education.

Measure - An end-use measure, energy efficiency measure, and energy management measure as defined in 4 CSR 240-22.020(18), (20), and (21).

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

Participant - An energy-related decision maker who implements one or more end-use Measures as a direct result of a demand-side program.

Program Administrator - The Company or entity selected by the Company to provide program design, promotion, administration, implementation, and delivery of services.

Program Partner - A retailer, distributor, or other service provider that the Company or the Program Administrator has approved to provide specific program services through execution of a Company-approved service agreement.

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ENERGY EFFICIENCY MEEIA 2019-21 (Cont'd.)

DEFINITIONS (Cont'd.)

Program Period - The period from March 1, 2019 through December 31, 2021, unless sooner terminated under the TERM provision of this tariff. Programs may have slightly earlier deadlines for certain activities, as noted on the Company website [AmerenMissouri.com/EnergyEfficiency](http://AmerenMissouri.com/EnergyEfficiency).

Program Provider - An entity that meets the criteria defined by a Program Administrator to provide specific program products and/or services.

Project - One or more Measures proposed by an Applicant in a single application.

Residential Program - Energy efficiency programs available to residential customers in the Company's Missouri service area being served under the Residential Service Rate 1(M) rate schedule and for multifamily properties identified under Residential Programs it will also include: Service Classifications Small General Service Rate 2(M), Large General Service Rate 3(M), Small Primary Service Rate 4(M).

Technical Resource Manual (TRM) - A Company-specific compilation of Measures and associated characteristics with formulas used for calculating gross energy and demand savings using default inputs.

Trade Ally - An independent contractor that the Company or the Program Administrator has approved to provide specific program services through execution of a Company-approved service agreement.

Measure Benefit/Cost (B/C) Test - Each non-prescriptive Project must pass the B/C Test by having a value of 1.0 or greater. B/C Test value equals the present value of the benefits of each Measure over the useful life of each Measure divided by the incremental cost to implement the Project Measures. The benefits of the Measure include the Company's estimated avoided costs.

AVAILABILITY

Except as otherwise provided in the terms governing a particular program, programs are available uniformly to all customers qualifying for service under Service Classifications Residential Service Rate 1(M), Small General Service Rate 2(M), Large General Service Rate 3(M), Small Primary Service Rate 4(M), Large Primary Service Rate 11(M), or Large Transmission Service Rate 12(M). Some programs may also require that services be phased-in on a geographical or other basis to better manage resources. Some services may only be available through participating Program Partners, Program Providers, or Trade Allies.

Unless otherwise provided for in the tariff sheets governing a particular program, customers may participate in multiple programs, but may receive only one Incentive per Measure.

Business Programs are not available to customers electing to opt-out of energy efficiency program funding under 4 CSR 240-20.094(7).

MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 221.2

CANCELLING MO.P.S.C. SCHEDULE NO. \_\_\_\_\_ SHEET NO. \_\_\_\_\_

APPLYING TO MISSOURI SERVICE AREAENERGY EFFICIENCY MEEIA 2019-21 (Cont'd.)AVAILABILITY (Cont'd.)

A customer may elect not to participate (opt-out) in the Company's demand-side management Business Programs under 4 CSR 240-20.094(7) if they:

1. Have at least one account with a demand of 5,000 kW in the previous 12 months with the Company;
2. Operate an interstate pipeline pumping station; or
3. Have one or more accounts with aggregate coincident demand of 2,500 kW in the previous 12 months with the Company and have a comprehensive demand-side or energy efficiency program with achieved savings at least equal to those expected from the Company-provided demand-side programs.

A customer electing not to participate (opt-out) must provide written notice to the Company no earlier than September 1 and not later than October 30 to be effective for the following calendar year, but shall still be allowed to participate in interruptible or curtailable rate schedules or tariffs offered by the Company. None of the Business Programs are considered to be an interruptible or curtailable rate schedule. Upon election by a customer to opt-out, either under this or earlier MEEIA programs, that designation will continue for 10 years, beginning with the calendar year subsequent to the submission of the opt-out unless the Company is notified the customer wishes to revoke its opt-out status.

TERM

This tariff (Sheet Nos. 221-221.5) and the tariffs reflecting each specific energy efficiency program (Sheet Nos. 222-244.1) shall be effective from March 1, 2019 through December 31, 2021, except that the programs shall terminate immediately, and without further Commission action, on the effective date of any court order, judgment, or opinion or Commission order that changes or eliminates the approved DSIM or Technical Resource Manual, unless the changes are initiated or accepted by the Company. Programs may not be available or fully implemented in all geographic locations on the tariff effective date. Consult [AmerenMissouri.com/EnergyEfficiency](http://AmerenMissouri.com/EnergyEfficiency) to determine the status of the programs. Programs may have earlier deadlines for certain activities, as noted on the Company's website [AmerenMissouri.com/EnergyEfficiency](http://AmerenMissouri.com/EnergyEfficiency).

If the programs are terminated prior to December 31, 2021 under this provision, only Incentives for qualifying Measures that meet either of the following criteria prior to the termination date will be valid: (a) customer has returned a signed commitment Incentive offer and it has been accepted by the Program Administrator; or (b) the customer provides affirmation that requirements for participation have been met.

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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. 221.3

CANCELLING MO.P.S.C. SCHEDULE NO. \_\_\_\_\_ SHEET NO. \_\_\_\_\_

APPLYING TO MISSOURI SERVICE AREAENERGY EFFICIENCY MEEIA 2019-21 (Cont'd.)DESCRIPTION

The reductions in demand and energy consumption will be accomplished through the following Business Programs:

1. Standard Incentive Program
2. Custom Incentive Program
3. Retro-Commissioning Incentive Program
4. New Construction Incentive Program
5. Small Business Direct Install Incentive Program
6. Social Services Program
7. Education Programs
  - Building Operator Certification (BOC)

The reductions in demand and energy consumption will be accomplished through the following Residential Programs:

1. Lighting Program
2. Energy Efficient Products Program
3. HVAC Program
4. Home Energy Reports Program
5. Energy Efficiency Kits Program
6. Appliance Recycling Program
7. Multi-Family Market Rate Program
8. Single Family Low-Income Program
9. Multi-Family Low-Income Program
10. Education Programs
  - Science, Technology, Engineering, and Mathematics (STEM) Education
  - Home Building Code Compliance
  - Workplace Employee Education
  - Smart Home Energy Management
  - Real Estate Audits

Program Administrator may collaborate and co-deliver components of programs with other utilities (i.e. gas and water utilities) to create synergies.

Program details regarding the interaction between the Company or Program Administrators and customers participating in the programs, Incentives paid directly to customers, available Measures, Measure ranges, availability of the programs, eligibility, and application and completion requirements may be adjusted through the change process as presented below. Those details, additional details on each program, and other details such as process flows, application instructions, and application forms will be provided on the Company's website [AmerenMissouri.com/EnergyEfficiency](http://AmerenMissouri.com/EnergyEfficiency) or by calling 800-552-7583.

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CANCELLING MO.P.S.C. SCHEDULE NO. \_\_\_\_\_ SHEET NO. \_\_\_\_\_

APPLYING TO MISSOURI SERVICE AREAENERGY EFFICIENCY MEEIA 2019-21 (Cont'd.)CHANGE PROCESS

The change process is applicable to changes in a program detail regarding the interaction between the Company or Program Administrators and customers participating in the programs.

1. Identify need for program detail change regarding the interaction between the Company or Program Administrators and customers participating in the programs;
2. Discuss proposed change with implementer;
3. Discuss proposed change with evaluator;
4. Analyze impact on program and portfolio (cost effectiveness, goal achievement, etc.);
5. Inform the Staff, Office of the Public Counsel, and the Missouri Department of Economic Development - Division of Energy (DE) of the proposed change, the time within which it needs to be implemented, provide them the analysis that was done and consider recommendations from them that are received within the implementation timeline (the implementation timeline shall be no less than five business days from the time that the Staff, Office of the Public Counsel, and the DE are informed and provided the above-referenced analysis);
6. Take timely received recommendations into account and incorporate them where the Company believes it is appropriate to do so;
7. Notify and train customer contact personnel (Contact Center, Energy Advisors, Business Center, Customer Relationship Managers, Customer Service Advisors) of the changes;
8. Make changes to forms and promotional materials;
9. Update program website;
10. File updated web pages and, if appropriate, updated list of Measures and Incentive amounts in File No. EO-2018-0211; and
11. Inform Participants, Program Providers, Program Partners, Trade Allies, etc.

Company will also continue to discuss and provide information on ongoing program and portfolio progress at quarterly regulatory stakeholder update meetings.

PROGRAM COSTS

Costs of the Business Programs and Residential Programs contained herein shall be reflected in a charge titled "Energy Efficiency Invest Chg" appearing as a separate line item on customers' bills and applied to customers' bills as a per kilowatt-hour charge as specified in the Residential Service Rate 1(M), Small General Service Rate 2(M), Large General Service Rate 3(M), Small Primary Service Rate 4(M), Large Primary Service Rate 11(M), and Large Transmission Service Rate 12(M) rate schedules. All customers taking service under said rate schedules shall pay the charge regardless of whether a particular customer utilizes a demand-side program available hereunder, unless the customer is an eligible business which has opted-out as provided for previously or it is a residential customer who qualifies for the low-income exemption as outlined in Rider EEIC 2019-21.

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ENERGY EFFICIENCY MEEIA 2019-21 (Cont'd.)

PROGRAM DESCRIPTIONS

The following pages contain other descriptions and terms for the programs being offered under this tariff.

CHANGES IN MEASURES OR INCENTIVES

Company may offer the Measures contained in the TRM. The offering of Measures that are not contained in or that do not meet the custom measure definition within Company's TRM must be approved by the Commission. Changes to Measures and inputs contained in the Deemed Savings Table will be completed by following steps 3,4,5,6, 10 & 11 of the 11-step change process. Not all Measures listed in the TRM will be offered at all times. The actual Measures being offered, and Incentives available to customers, will be listed on Company's website, [AmerenMissouri.com/EnergyEfficiency](http://AmerenMissouri.com/EnergyEfficiency). The Measures and Incentives being offered are subject to change. Customers must reference [AmerenMissouri.com/EnergyEfficiency](http://AmerenMissouri.com/EnergyEfficiency) or call 800-552-7583 for the list of currently available Measures. The website will expressly state in conspicuous language that the Measures and Incentives are subject to change. Should a Measure or Incentive offering shown on Company's website differ from the corresponding Measure or Incentive offering shown in the currently effective notice filed in File No. EO-2018-0211, the stated Measure or Incentive offering as shown in the currently effective notice shall govern.

MO.P.S.C. SCHEDULE NO. 6OriginalSHEET NO. 222

CANCELLING MO.P.S.C. SCHEDULE NO. \_\_\_\_\_

SHEET NO. \_\_\_\_\_

APPLYING TO MISSOURI SERVICE AREA**ENERGY EFFICIENCY MEEIA 2019-21****Business Standard Incentive Program****PURPOSE**

The Standard Incentive Program (Program) will provide pre-set Incentives for energy efficient products that are readily available in the marketplace. Standard Incentives will be fixed per each Measure unit. The primary objective of the Standard Incentive Program is to provide an expedited, simple solution for customers interested in purchasing efficient technologies that will produce verifiable energy savings.

**AVAILABILITY**

This Program is available during the Program Period, and is voluntary and available to all customers receiving electric service under Service Classifications Small General Service Rate 2(M), Large General Service Rate 3(M), Small Primary Service Rate 4(M), Large Primary Service Rate 11(M), or Large Transmission Service Rate 12(M) that also meet the Standard Incentive Program Provisions below.

**PROGRAM PROVISIONS**

The Program Administrator will provide the necessary services to effectively implement the program and to strive to attain the energy savings targets. Standard Incentives for Measures will be provided to qualifying customers that provide completed Standard Incentive Applications or validation qualification through a wholesale outlet as indicated below:

1. Customer must complete a Standard Incentive Application form, available at [www.ameren.com/missouri/energy-efficiency/business/program-overview](http://www.ameren.com/missouri/energy-efficiency/business/program-overview); or where applicable, complete validation qualification with wholesale Program Provider;
2. Customer must provide proof of equipment purchase and installation date;
3. Measures must be purchased and installed after March 1, 2019;
4. Measures for which customer has received an Incentive under a different Business Program or Residential Program are not eligible for this Standard Incentive Program;
5. Measures must be part of a Project having an installed TRC ratio greater than 1.0; and
6. Standard Measures must be installed as a retrofit in an existing facility.

By applying for the Standard Incentive Program, the customer agrees that the Project may be subject to random on-site inspections by the Program Administrator.

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APPLYING TO MISSOURI SERVICE AREA

ENERGY EFFICIENCY MEEIA 2019-21 (Cont'd.)

Business Standard Incentive Program (Cont'd.)

ELIGIBLE MEASURES AND INCENTIVES

Standard Incentives filed in File No. EO-2018-0211 and additional Measures covered by the TRM are eligible for program benefits and Incentives and may be offered during the Program Period. These include, but are not limited to, the following equipment types:

- 1. HVAC (Heating, Ventilation, and Air-conditioning)
- 2. Lighting
- 3. Refrigeration
- 4. Cooking
- 5. Water Heating
- 6. Motors
- 7. Controls

Additional Program details, eligible Measures, and Incentives can be found at [www.ameren.com/missouri/energy-efficiency/business/program-overview](http://www.ameren.com/missouri/energy-efficiency/business/program-overview).

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**ENERGY EFFICIENCY MEEIA 2019-21****Business Custom Incentive Program****PURPOSE**

The Custom Incentive Program (Program) will provide financial assistance to customers to support implementation of energy efficiency improvement opportunities which are available at the time of equipment replacement, facility modernization, and industrial process improvement. A "Custom Incentive" is a direct payment or bill credit to a Participant for installation of Measures that are part of Projects that have been pre-approved by the Program Administrator.

**AVAILABILITY**

This Program is available during the Program Period, and is voluntary and available to all customers receiving electric service under Service Classifications Small General Service Rate 2(M), Large General Service Rate 3(M), Small Primary Service Rate 4(M), Large Primary Service Rate 11(M), or Large Transmission Service Rate 12(M) that also meet Custom Incentive Program Provisions below.

**PROGRAM PROVISIONS**

The Program Administrator will provide the necessary services to effectively implement the Program and to strive to attain the energy savings targets. Customers may apply for a Custom Incentive for Measures under consideration which:

1. Reduce energy consumption compared to the currently installed system, or when there is not an existing system, the standard efficiency system currently available in the market;
2. Have not yet been installed and for which purchase and/or installation commitments have not yet been made;
3. Have not received an Incentive for the Measure under a different Business Program or Residential Program;
4. Are not one of the Measures eligible for an Incentive under the Standard Incentive Program; and
5. Are being installed in an existing facility.

Prior to purchasing and installing Measure(s), Applicant must submit a Custom Incentive Application form that provides data about the applicable facility and potential Measure(s). The Program Administrator will perform a desk review of the Custom Incentive Application to determine eligibility, Measure Benefit/Cost Test results, estimated energy savings and Custom Incentive amount for each Measure. The Program Administrator may perform a site visit to verify baseline conditions. If approved, the Program Administrator will submit an Incentive commitment offer to customer. Upon receipt of a customer-signed Incentive commitment, the Custom Incentive amount will be reserved.

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APPLYING TO MISSOURI SERVICE AREA

ENERGY EFFICIENCY MEEIA 2019-21 (Cont'd.)

Business Custom Incentive Program (Cont'd.)

PROGRAM PROVISIONS (Cont'd.)

Following installation of approved Custom Measures, the Participant will submit a Completion Certificate to the Program Administrator. The Completion Certificate will require supporting Project documentation to include, but not limited to: final Custom Measure costs, a completion date for each Custom Measure, specification sheets, and invoices for all Custom Measures. If necessary, the Custom Incentive amount will be recalculated. Every Custom Incentive Application for a Custom Incentive requires pre-approval by the Program Administrator and may be subject to on-site verification by the Program Administrator prior to payment of the Custom Incentive amount.

ELIGIBLE MEASURES AND INCENTIVES

All energy savings Measures that are not offered through other Business Programs are eligible. Additional Program details and Incentives may be found at [www.ameren.com/missouri/energy-efficiency/business/program-overview](http://www.ameren.com/missouri/energy-efficiency/business/program-overview).

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**ENERGY EFFICIENCY MEEIA 2019-21****Business Retro-Commissioning Program****PURPOSE**

The Retro-Commissioning Program (Program) will capture energy and demand reductions from existing facilities by optimizing building system energy use and overall efficiency. Through this Program, the Company will provide energy assessment services and assistance in implementing identified solutions to customers to ensure that their systems are operating at optimal energy efficiency.

**AVAILABILITY**

This Program is available during the Program Period, and is voluntary and available to all customers receiving electric service under Service Classifications Small General Service Rate 2(M), Large General Service Rate 3(M), Small Primary Service Rate 4(M), Large Primary Service Rate 11(M), or Large Transmission Service Rate 12(M) that also meet the following Program Provisions. Participants in this Program will be those customers with a facility that has all of the following criteria:

1. At least one of the following conditions:
  - a. Higher than average electric energy intensities(kWh/ft<sup>2</sup>) based on business type;
  - b. Minimum of 100,000 ft<sup>2</sup> of conditioned space; or
  - c. Presence of an energy management system (EMS);
2. Mechanical equipment is operational; and
3. Will yield cost-effective energy savings according to a Retro-Commissioning Assessment Study.

A "Retro-Commissioning Assessment Study" is a detailed analysis performed by Retro-Commissioning Program Providers on Projects passing the initial screening which is used to identify sub-optimal system operational performance and to identify corrections which will yield cost-effective energy savings.

**PROGRAM PROVISIONS**

The Program Administrator will provide the necessary services to effectively implement the Program and to strive to attain the energy savings targets. Program benefits have been designed to provide cost effective Retro-Commissioning services to eligible facilities and include:

1. Recruitment and training of Retro-Commissioning Program Providers;
2. Benchmarking of candidate facilities using ENERGY STAR Portfolio Manager® or other comparable procedures to identify facilities with Retro-Commissioning opportunities;
3. Access to a group of pre-qualified Retro-Commissioning Program Providers that can provide studies performed by trained auditors to identify cost effective building system optimization Measures;
4. Assisting building owners with contractor acquisition and management during the implementation process;
5. Building owner staff training on Retro-Commissioning operations;
6. Verification of operating results; or
7. Ongoing monitoring of Retro-Commissioned building systems to promote persistence of improvements.

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APPLYING TO MISSOURI SERVICE AREA

ENERGY EFFICIENCY MEEIA 2019-21 (Cont'd.)

Business Retro-Commissioning Program (Cont'd.)

PROGRAM PROVISIONS (Cont'd.)

The Incentives provided through the Retro-Commissioning Program will be limited to those Measures which are determined to achieve energy efficiency improvements through the calibration, maintenance, and optimization of current systems.

ELIGIBLE MEASURES AND INCENTIVES

Additional Program details and Incentives may be found at [www.ameren.com/missouri/energy-efficiency/business/program-overview](http://www.ameren.com/missouri/energy-efficiency/business/program-overview).

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**ENERGY EFFICIENCY MEEIA 2019-21****Business New Construction Incentive Program****PURPOSE**

The New Construction Incentive Program (Program) will capture energy and demand reductions from new construction projects by interacting with building owners and designers during the design and/or construction process. The Program encourages building owners and designers to evaluate and install systems with higher energy efficiencies than the designed systems through training, design Incentives, and installation Incentives.

**DEFINITIONS APPLICABLE TO NEW CONSTRUCTION INCENTIVE PROGRAM ONLY**

Baseline Building Design - The baseline building design will be established on a case-by-case basis, and the more stringent of either minimum market standards, the facility's original design, the local energy code, or any legal or contractual construction requirements shall apply. Baseline building design will be documented in the Technical Analysis Study (TAS).

Technical Analysis Study (TAS) - An energy savings estimate that clearly describes the energy efficiency/process improvement opportunity, with concise and well-documented presentations of the analysis method used to estimate energy savings, and the assumptions used to generate Project capital cost estimates. Each TAS will:

1. Describe the proposed facility (typically with a sketch or blueprint showing site layout or floor plan);
2. Describe the Baseline Building Design and provide its estimated electricity use and estimated annual Operations & Maintenance costs;
3. Describe the efficient equipment to be added along with key performance specifications;
4. Provide estimated electricity use for the efficient condition;
5. Provide the energy and demand savings calculations, together with the source of input parameter numbers and justification for each assumption made;
6. Provide the incremental cost to implement the Project; and
7. Provide the estimated financial Incentive and estimated annual cost savings, together with the financial metric(s) requested by the customer (i.e., simple payback, Internal Rate of Return, Return on Investment).

Whole Building Area Method - An energy analysis methodology in which the design team examines the integration of all building components and systems and determines how they best work together to save energy and reduce environmental impact.

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**ENERGY EFFICIENCY MEEIA 2019-21 (Cont'd.)**

**Business New Construction Incentive Program (Cont'd.)**

**AVAILABILITY**

This Program is available during the Program Period, and is voluntary and available to all customers receiving electric service under Service Classifications Small General Service Rate 2(M), Large General Service Rate 3(M), Small Primary Service Rate 4(M), Large Primary Service Rate 11(M), or Large Transmission Service Rate 12(M) that also meet the New Construction Program Provisions. Eligible facilities' applications include new facilities built from the ground up, additions to existing facilities, or major renovation of existing facilities requiring significant mechanical and/or electrical equipment alteration.

**PROGRAM PROVISIONS**

The Program Administrator will provide the necessary services to effectively implement the Program and to strive to attain the energy savings targets. Program benefits are tailored to Projects based on their phase in the development process.

TAS and the Whole Building Area Method may be used to determine Project energy savings.

**ELIGIBLE MEASURES AND INCENTIVES**

Additional Program details, eligible Measures and Incentives may be found at [www.ameren.com/missouri/energy-efficiency/business/program-overview](http://www.ameren.com/missouri/energy-efficiency/business/program-overview).

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APPLYING TO MISSOURI SERVICE AREA**ENERGY EFFICIENCY MEEIA 2019-21****Small Business Direct Install Incentive Program****PURPOSE**

The Small Business Direct Install Incentive Program (Program) will provide installation of low-cost and/or no-cost energy-efficient Measures to small business customers. Program Providers will deliver, install, and complete paperwork for Measures provided for in this Program. The primary objective of the Small Business Direct Install Incentive Program is to remove participation barriers for small businesses through a simple and streamlined process. Program Providers will identify additional energy efficiency opportunities that may qualify for Incentives under the Standard Incentive Program or Custom Incentive Program.

**AVAILABILITY**

This Program is available during the Program Period, and is voluntary and available to all customers in the Small General Service Rate 2(M) rate class that also meet the Small Business Direct Install Incentive Program Provisions, below.

**PROGRAM PROVISIONS**

The Program Administrator will provide the necessary services to effectively implement the Program and to strive to attain the energy savings targets. Small Business Direct Install Incentives for Measures will be provided to qualifying customers that provide completed Small Business Direct Install Incentive Applications as indicated below:

1. Customer must complete a Small Business Direct Install Incentive Application form;
2. Qualifying Measures must be installed by a participating Small Business Direct Install Program Provider after March 1, 2019;
3. Measures must be part of a Project having an installed TRC ratio greater than 1.0; and
4. Measures must be installed as a retrofit in an existing facility.

By applying for the Small Business Direct Install Incentive Program, the customer agrees that the Project may be subject to random on-site inspections by the Program Administrator.

**ELIGIBLE MEASURES AND INCENTIVES**

Small Business Direct Install Incentives filed in File No. EO-2018-0211 and additional Measures covered by the TRM are eligible for Program benefits and Incentives and may be offered during the Program Period. These include, but are not limited to, the following equipment types:

1. HVAC (Heating, Ventilation, and Air-conditioning)
2. Lighting
3. Refrigeration
4. Motors
5. Water Heating
6. Smart Thermostat

Additional Program details and Incentives may be found at [AmerenMissouri.com/SBDI](http://AmerenMissouri.com/SBDI).

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**ENERGY EFFICIENCY MEEIA 2019-21****Business Social Services Program****PURPOSE**

The objective of the Social Services Program (Program) is to deliver long-term energy savings and bill reductions to social service business customers. This will be achieved through a variety of prescriptive measures and comprehensive retrofits.

**DEFINITIONS APPLICABLE TO BUSINESS SOCIAL SERVICES PROGRAM ONLY**

Social Services - Nonprofit tax exempt business customer that provides social services to the low-income public, such as food banks, food pantries, soup kitchens, homeless shelters, employment services, worker training, job banks, and childcare.

**AVAILABILITY**

This Program is available during the Program Period. The Program is voluntary and available to Social Services' facilities receiving electric service under Company's Small General Service Rate 2(M) or Large General Service Rate 3(M) classifications where the facility as a whole, or a dedicated part of a facility, is primarily used to provide Social Services. Measures will be available to the portion of the facility primarily used to provide Social Services.

**PROGRAM PROVISIONS**

The Program Administrator will provide the necessary services to effectively implement the Program and to strive to attain energy savings.

Customer must certify that all or part of the specific facility for which the Measures and/or retrofits are targeted is primarily utilized for Social Services. Measures for which customer has received an Incentive under a different Business Program or Residential Program are not eligible for this Social Services Program;

**ELIGIBLE MEASURES AND INCENTIVES**

Social Services Incentives filed in File No. EO-2018-0211 and additional Measures covered by the TRM are eligible for Program benefits and Incentives and may be offered during the Program Period. These may include, but are not limited to, the following equipment types:

1. HVAC (Heating, Ventilation, and Air-conditioning)
2. Lighting
3. Refrigeration
4. Cooking
5. Water Heating
6. Motors
7. Controls

Additional Program details and Incentives may be found at [www.ameren.com/missouri/energy-efficiency/business/program-overview](http://www.ameren.com/missouri/energy-efficiency/business/program-overview).

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APPLYING TO MISSOURI SERVICE AREA**ENERGY EFFICIENCY MEEIA 2019-21****Residential Lighting Program****PURPOSE**

The Lighting Program (Program) is intended to reduce energy use in residential lighting by encouraging selection of ENERGY STAR®-qualified lighting products.

**AVAILABILITY**

The Lighting Program is available for the Program Period. Residential customers may participate in the Lighting Program by acquiring program ENERGY STAR® LED lighting products, ENERGY STAR® fixtures, and other emerging ENERGY STAR®-qualified lighting technologies from participating Program Partners through purchase or other approved distribution methods.

**PROGRAM PROVISIONS**

The Company will hire a Program Administrator to implement this Program. The Program Administrator will provide the necessary services to effectively implement the Program and to strive to attain the energy savings targets. The Lighting Program Administrator will provide Lighting Program services and Incentives to Program Partners for the purpose of increasing awareness, sales, and market share of residential ENERGY STAR®-qualified products promoted by the Lighting Program.

Lighting Program promotions will be made available on-line and at Program Partner locations and distribution channels within the Company's electric service territory. Participating Lighting Program Partners will be listed on the [AmerenMissouri.com/lighting](http://AmerenMissouri.com/lighting) website with store name and location listed, as well as any in-store promotions being offered.

**ELIGIBLE MEASURES AND INCENTIVES**

Energy Efficient Lighting Products filed in File No. EO-2018-0211 and additional Lighting Products covered by the TRM are eligible for Program benefits and Incentives and may be offered for promotion during the Program Period. Eligible Lighting Products and Incentives paid directly to customers may be found at [AmerenMissouri.com/lighting](http://AmerenMissouri.com/lighting).

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**ENERGY EFFICIENCY MEEIA 2019-21**

**Residential Energy Efficient Products Program**

**PURPOSE**

The purpose of the Energy Efficient Products Program (Program) is to raise customer awareness of the benefits of "high-efficiency" products (ENERGY STAR<sup>®</sup>, Consortium for Energy Efficiency (CEE) Tiers, or better). The Program is intended to reduce energy use by encouraging residential customers to purchase qualifying efficient products.

**AVAILABILITY**

The Energy Efficient Products Program is available for the Program Period. Residential customers may participate in the Program by acquiring Program energy efficient products from participating Program Partners through on-line purchases or other approved distribution methods.

**PROGRAM PROVISIONS**

The Company will hire a Program Administrator to implement this Program. The Program Administrator will provide the necessary services to effectively implement the Program and strive to attain the energy savings targets. The Energy Efficient Products Program incorporates various Program Partners, products, Incentive mechanisms and Program delivery strategies. The Program Administrator may partner with other utilities (i.e. gas and water utilities) to create synergies.

The Company and the Program Administrator will follow a multi-faceted approach to marketing highly efficient appliances and products with an emphasis on ENERGY STAR<sup>®</sup>. Company will leverage the CEE and others to identify efficiency tiers above ENERGY STAR<sup>®</sup> for additional offers.

**ELIGIBLE MEASURES AND INCENTIVES**

Energy Efficient Products Measures filed in File No. EO-2018-0211 and additional Measures covered by the TRM are eligible for Program benefits and Incentives and may be offered for promotion during the Program Period. Eligible Energy Efficient Products and Incentives paid directly to customers may be found at [AmerenMissouri.com/products](http://AmerenMissouri.com/products).

**ENERGY EFFICIENCY MEEIA 2019-21**

**Residential HVAC Program**

**PURPOSE**

The purpose of the HVAC Program (Program) is to obtain energy and demand savings through improvement in operating performance of new residential central cooling systems or replacement of existing residential central cooling systems.

**AVAILABILITY**

The HVAC Program is available for the Program Period, and Services under this Program are available to Customers on the Residential Service Rate 1(M).

**PROGRAM PROVISIONS**

The Program improves the efficiency of new and existing central air conditioning systems, including heat pumps, by installation of new equipment. The Program may also promote installation of heat pump water heaters, smart thermostats, efficient products, natural gas program rebates, or enrollment in a residential demand response program.

The Company will hire a Program Administrator to implement this Program. The Program Administrator will provide the necessary services to effectively implement the Program and strive to attain the energy and demand savings targets. Company will provide Incentives to encourage sales of energy efficient products and properly installed HVAC energy saving upgrades.

The Program will employ the Program Administrator's preferred protocols to verify system eligibility for Program Measures.

**ELIGIBLE MEASURES AND INCENTIVES**

HVAC related Program Measures filed in File No. EO-2018-0211 and additional Measures covered by the TRM are eligible for Program benefits and Incentives and may be offered for promotion during the Program Period. Eligible Measures and Incentives paid directly to customers may be found at [AmerenMissouri.com/HVAC](http://AmerenMissouri.com/HVAC).

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Residential Home Energy Reports Program

PURPOSE

The purpose of the Home Energy Reports Program (Program) is to obtain energy and demand savings by focusing on energy consumption behavior changes of participating customers. This is a behavior modification program.

AVAILABILITY

The Home Energy Reports Program is available for the Program Period. Services under this Program are available to Customers on the Residential Service Rate 1(M). The Program Administrator will work with customer data to select Program Participants. Home Energy Reports will be mailed and/or emailed to targeted residential customers on an established frequency for the duration of the Program. Customers who do not wish to receive a report will be able to contact Ameren Missouri to be removed from participation.

PROGRAM PROVISIONS

The Company will hire a Program Administrator to implement this Program. The Program Administrator will provide the necessary services to effectively implement the Program and to strive to attain the energy savings targets.

ELIGIBLE MEASURES AND INCENTIVES

The Program focuses on energy consumption behavior changes that result in reduced electricity consumption. As such, the overall metric is reduced monthly/annual energy consumption. There are no specific energy efficiency Measures associated with the Program. However, there may be rewards associated with behavior changes that lead to reduced energy consumption. Additional Program details may be found at [AmerenMissouri.com/myreport](http://AmerenMissouri.com/myreport).

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APPLYING TO MISSOURI SERVICE AREA**ENERGY EFFICIENCY MEEIA 2019-21****Residential Energy Efficiency Kits Program****PURPOSE**

The objective of the Energy Efficiency Kits Program (Program) is to raise customer awareness of the benefits of "high-efficiency" products (ENERGY STAR®, Consortium for Energy Efficiency (CEE) Tiers, or better) and to educate residential customers about energy use in their homes and to offer information, products, and services to residential customers to save energy cost-effectively.

**AVAILABILITY**

The Energy Efficiency Kits Program is available for the Program Period to Residential customers and may be offered through various channels, such as direct mail, secondary education schools, and community based organizations.

**PROGRAM PROVISIONS**

The Company will hire a Program Administrator to implement this Program. The Program Administrator will provide the necessary services to effectively implement the Program and strive to attain the energy savings targets. The Energy Efficiency Kits Program incorporates various Program Partners, products, incentive mechanisms, and program delivery strategies.

The Company and the Program Administrator will follow a multi-faceted approach to educate Participants and effectuate installation of energy efficient products and actions addressed in the Energy Efficiency Kits. Company will leverage the CEE and others to identify efficiency tiers above ENERGY STAR for additional products. The Program Administrator may partner with other utilities (i.e. gas and water utilities) to create synergies.

**ELIGIBLE MEASURES AND INCENTIVES**

Energy Efficiency Kits Measures filed in File No. EO-2018-0211 and additional Measures covered by the TRM approved are eligible for Program benefits and Incentives and may be offered for promotion during the Program Period. Additional Program details may be found at [AmerenMissouri.com/education](http://AmerenMissouri.com/education).

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**ENERGY EFFICIENCY MEEIA 2019-21**

**Residential Appliance Recycling Program**

**PURPOSE**

The Appliance Recycling Program (Program) is a voluntary program designed to encourage the retirement of inefficient, working refrigerators, freezers and appliances by providing an Incentive to take the units out of homes and recycle them in an environmentally safe manner.

**AVAILABILITY**

The Program is available during the Program Period. All Company customers receiving service under the Residential Service Rate 1(M) are eligible for this Program.

**PROGRAM PROVISIONS**

The Company will hire a Program Administrator to implement this Program. The Program Administrator will provide the necessary services to effectively implement the Program and strive to attain the energy savings targets. The following general process will be followed to serve Participants in the Program:

- Participants contact the Program toll-free or online at [AmerenMissouri.com/fridge](http://AmerenMissouri.com/fridge) to schedule the appliance pick up.
- At the Participant’s address the Program Partner team verifies the unit is operational, it meets program guidelines, and removes it from the home.
- The unit is taken to the Program Partner facility and all materials are recovered for recycling or disposed of in accordance with Environmental Protection Agency (EPA)-approved practices.
- Incentives are sent to Participants following the pick-up appointment.

**ELIGIBLE MEASURES AND INCENTIVES**

Recycling related Measures covered by the TRM are eligible for Program benefits and Incentives and may be offered for promotion during the Program Period. Additional Program details and Incentives paid directly to customers may be found at [AmerenMissouri.com/fridge](http://AmerenMissouri.com/fridge).

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APPLYING TO MISSOURI SERVICE AREA**ENERGY EFFICIENCY MEEIA 2019-21****Multi-Family Market Rate Program****PURPOSE**

The objective of the Multi-Family Market Rate Program (Program) is to deliver long-term energy savings and bill reductions to residential customers residing in multi-family properties that do not qualify for the Multi-Family Low-Income Program. This will be achieved through Incentives for a variety of incentivized energy saving Measures and comprehensive retrofits.

**AVAILABILITY**

The Program is available for the Program Period to owners and operators of non-low-income multi-family properties of three or more dwelling units with eligible customers receiving service under the Residential Service Rate 1(M) or Service Classifications Small General Service Rate 2(M), Large General Service Rate 3(M), Small Primary Service Rate 4(M).

**PROGRAM DESCRIPTION**

The Company will hire a Program Administrator to implement this Program. The Program Administrator will provide the necessary services to effectively implement the Program and to strive to attain the energy savings targets.

The Program Administrator will provide or approve installation of Program-specified energy efficiency Measures for multi-family properties and may provide custom Incentives for Measures that have been pre-authorized by the Program Administrator for dwelling units, common areas, building shell and whole-building systems.

The Program Administrator may partner with other utilities (i.e. gas and water utilities) to create synergies.

Measures installed pursuant to the Multi-Family Market Rate Program are not eligible for Incentives through any of the Company's other energy efficiency programs.

**ELIGIBLE MEASURES AND INCENTIVES**

Multi-Family Market Rate Measures filed in File No. EO-2018-0211 and additional Measures covered by the TRM are eligible for Program benefits and Incentives and may be offered for promotion during the Program Period. Eligible Measures and Incentives directly paid to customers, property owners, or property managers may be found at [AmerenMissouri.com/multifamily](http://AmerenMissouri.com/multifamily).

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APPLYING TO MISSOURI SERVICE AREAENERGY EFFICIENCY MEEIA 2019-21Residential Single Family Low-Income ProgramPURPOSE

The objective of the Single Family Low-Income Program (Program) is to deliver long-term energy savings and bill reductions to residential single family low-income customers. This will be achieved through a variety of channels to educate customers about energy use in their homes and to offer information, products and services to residential customers to save energy wisely. This allows the customer to identify and initiate the process of installing long-term energy efficiency upgrades and practices.

AVAILABILITY

The Program is available for the Program Period to:

1. Qualifying single family low-income customers receiving service under the Residential Service Rate 1(M) residing in single family detached housing, duplexes, and mobile homes (wood-frame bolted to steel chassis, designed to be transported); or
2. Organizations who perform qualified installations or distributions to homes of qualified low-income residential end users may participate in this Program by making application for a low-income efficiency housing grant.

In order to qualify for participation, low-income Participants must meet one of the following income eligibility requirements:

1. Participation in federal, state, or local subsidized housing program.
2. Proof of resident income levels at or below 80% of area median income (AMI) or 200% of federal poverty level.
3. Fall within a census tract included on Company's list of eligible low-income census tracts.

PROGRAM DESCRIPTION

The Company will hire a Program Administrator to implement this Program. The Program Administrator will provide the necessary services to effectively implement the Program and to strive to attain the energy savings targets. The Program Administrator will provide one-on-one energy education and install a comprehensive package of whole house energy saving Measures at no or low cost to customer. Incentives under this Program will be provided toward individually metered homes in neighborhoods served and selected by Company or approved low-income efficiency housing grant organizations. In some instances, an individual home may be referred to the Program by a qualified low-income assistance agency. The Program Administrator may partner with other utilities (i.e. gas and water utilities) to create synergies. Participants in selected low-income neighborhoods are limited to the one-time receipt of energy efficiency Measures under this Program. Measures installed pursuant to the Program (excluding Low-Income Efficiency Housing grants) are not eligible for Incentives through any of the Company's other energy efficiency or demand response programs.

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ENERGY EFFICIENCY MEEIA 2019-21 (Cont'd.)

Residential Single Family Low-Income Program (Cont'd.)

ELIGIBLE MEASURES AND INCENTIVES

Single Family Low-Income Measures filed in File No. EO-2018-0211 and additional Measures covered by the TRM are eligible for Program benefits and Incentives and may be offered for promotion during the Program Period. Eligible Measures and Incentives directly paid to customers may be found at [Amerenmissouri.com/CommunitySavers](http://Amerenmissouri.com/CommunitySavers).

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ISSUED BY Michael Moehn President St. Louis, Missouri  
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ENERGY EFFICIENCY MEEIA 2019-21Residential Multi-Family Low-Income ProgramPURPOSE

The objective of the Multi-Family Low-Income Program (Program) is to deliver long-term energy savings and bill reductions to residential low-income customers residing in multi-family properties. This will be achieved through education and a variety of directly installed energy saving Measures and comprehensive retrofits.

AVAILABILITY

The Multi-Family Low-Income (MFLI) Program is available for the Program Period to owners and operators of any multi-family properties of three or more dwelling units receiving service under the Residential Service Rate 1(M) or Service Classifications Small General Service Rate 2(M), Large General Service Rate 3(M), Small Primary Service Rate 4(M) meeting one of the following eligibility requirements:

1. Participation in federal, state, or local subsidized housing program.
2. Proof of resident income levels at or below 80% of area median income (AMI) or 200% of federal poverty level.
3. Fall within a census tract included on Company's list of eligible low-income census tracts.

Where a multi-family property does not meet one of the eligibility criteria listed above and has a combination of qualifying tenants and non-qualifying tenants, at least 50% of the tenants must be eligible for the entire property to qualify.

PROGRAM DESCRIPTION

The Company will hire a Program Administrator to implement this Program. The Program Administrator will provide the necessary services to effectively implement the Program and to strive to attain the energy savings targets. The Program Administrator will provide or approve installation of Program specified energy efficiency Measures and may provide custom Incentives for Measures that have been pre-authorized by the Program Administrator for tenant units, common areas, building shell and whole-building systems. Participating properties may receive Incentives to defray the cost of attending Building Operator Certification Training to support their energy efficiency journey. The Program Administrator may partner with other utilities (i.e. gas and water utilities) to create synergies.

ELIGIBLE MEASURES AND INCENTIVES

Program Measures filed in File No. EO-2018-0211 and additional Measures covered by the TRM approved in File No. EO-2018-0211 are eligible for Program benefits and Incentives and may be offered for promotion during the Program Period. Eligible Measures and Incentives directly paid to customers, property owners or property managers may be found at [Amerenmissouri.com/CommunitySavers](http://Amerenmissouri.com/CommunitySavers). Measures installed pursuant to the MFLI Program are not eligible for Incentives through any of the Company's other Energy Efficiency or Demand Response programs.

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**ENERGY EFFICIENCY MEEIA 2019-21****Education Programs****PURPOSE**

The purpose of Education Programs is to raise customer awareness of the benefits of energy efficiency and conservation, and Ameren Missouri's energy efficiency programs.

**AVAILABILITY**

Education Programs are available for all or a portion of the Program Period, and may be offered to either commercial or residential customers based on the specified delivery channel(s). Education Programs will be available to a target set of customers and include, but are not limited to, the following:

**Science, Technology, Engineering, and Mathematics (STEM) Education** - Curriculum for high school students focused on aspects of energy generation and delivery with particular emphasis on consumption and energy efficient equipment and behaviors.

**Home Building Code Compliance** - Education provided to builders, sub-contractors, designers, and others in the home building industry that are focused on high-energy impact measures that are commonly missed in residential code compliance.

**Workplace Employee Education** - Designed to educate residential customers at their workplace on energy use, tactics to reduce energy consumption and to promote long-term energy savings.

**Smart Home Energy Management** - Educates residential customers about Smart Home Energy Management products and availability, to advance and increase adoption of those technologies.

**Real Estate Audits** - Designed to use real estate institutions as a channel to encourage the use of home energy audits to improve home performance prior to the purchase of a new home.

**Building Operator Certification (BOC)** - BOC is a nationally-recognized, competency-based training and certification program for operations and maintenance staff working in commercial, institutional, or industrial buildings. BOC achieves measurable energy savings in the operation of public facilities and commercial buildings by training individuals directly responsible for day-to-day operations.

**PROGRAM PROVISIONS**

The Program Administrator will provide the necessary services to deliver education through targeted channels. Education programs incorporate various Program Partners and delivery strategies. Additional program details may be found at [AmerenMissouri.com/energyefficiencyeducation](http://AmerenMissouri.com/energyefficiencyeducation).

The Program Administrator may partner with other utilities (i.e. gas and water utilities) to create synergies.

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**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

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

Original

SHEET NO. 245

CANCELLING MO.P.S.C. SCHEDULE NO. \_\_\_\_\_

SHEET NO. \_\_\_\_\_

APPLYING TO MISSOURI SERVICE AREA

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**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

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

Original

SHEET NO. 246

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APPLYING TO MISSOURI SERVICE AREA

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APPLYING TO MISSOURI SERVICE AREADEMAND RESPONSE MEEIA 2019-21PURPOSE

The purpose of the Business and Residential Demand Response Programs is to proactively impact customer energy use in such a way as to reduce demand (kW) and/or energy (kWh). The programs included in this tariff are expected to be cost effective having a Total Resource Cost Test ratio of greater than 1.0.

DEFINITIONS

Unless otherwise defined, capitalized terms used in Tariff Sheet Nos. 247 through 249.1 have the following meanings:

Business Demand Response Program - A demand response program that is available to a customer receiving electric service under Service Classifications Small General Service Rate 2(M), Large General Service Rate 3(M), Small Primary Service Rate 4(M), Large Primary Service Rate 11(M), or Large Transmission Service Rate 12(M).

Demand Response Event (Event) - A period of time up to four hours during which the Company will ask the demand response participants to reduce their energy use.

DSIM (Demand-Side Programs Investment Mechanism) - A mechanism approved by the Commission in the Company's filing for demand-side program approval in File No. EO-2018-0211 as may be amended.

Incentive - Any consideration provided by the Company directly or through the Program Administrator, Trade Ally, and/or Program Partners which encourages the adoption of Measures or behaviors that reduce energy usage and/or demand, including in the form of cash, bill credit, payment to third party, donations or giveaways, public education programs, buydowns, markdowns, rebates, bill credits, direct installation, and education.

Program Administrator - The entity selected by the Company to provide program design, promotion, administration, implementation, and delivery of services.

Program Partner - A retailer, distributor, or other service provider that the Company or the Program Administrator has approved to provide specific program services through execution of a Company-approved service agreement.

Program Period - The period from March 1, 2019 through December 31, 2021 unless sooner terminated under the TERM provision of this tariff. Programs may have slightly earlier deadlines for certain activities, as noted on the Company website [AmerenMissouri.com/demandresponse](http://AmerenMissouri.com/demandresponse).

Program Provider - An entity that meets the criteria defined by a Program Administrator to provide specific program products and/or services.

Program Season - The portion of the calendar year, May through September inclusive, in which demand response events may be called.

Residential Demand Response Program - A Demand Response program available to residential customers in the Company's Missouri service area being served under the Residential Service Rate 1(M) rate schedule.

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APPLYING TO MISSOURI SERVICE AREADEMAND RESPONSE MEEIA 2019-21 (Cont'd.)DEFINITIONS (Cont'd.)

Trade Ally - An independent contractor that the Company or the Program Administrator has approved to provide specific program services through execution of a Company-approved service agreement.

AVAILABILITY

Except as otherwise provided in the terms governing a particular program, business programs are available uniformly to all customers qualifying for service under Service Classifications Small General Service Rate 2(M), Large General Service Rate 3(M), Small Primary Service Rate 4(M), Large Primary Service Rate 11(M), or Large Transmission Service Rate 12(M). Customers participating in a business program must have metering provided by Company that can record intervals of energy and demand of one hour or smaller. Residential programs are available to residential customers in the Company's Missouri service area being served under the Residential Service Rate 1(M) rate schedule. Some programs may also require that services be phased-in on a geographical or other basis to better manage resources. Some services may only be available through participating Program Partners, Program Providers, or Trade Allies.

Unless otherwise provided for in the tariff sheets governing a particular program, customers may participate in multiple Programs, but may receive only one Incentive per Measure.

Business Programs are also not available to customers electing to opt-out of energy efficiency program funding under 4 CSR 240-20.094(7).

TERM

This tariff (Sheet Nos. 247 - 247.3) and the tariffs reflecting each specific demand response program (Sheet Nos. 248, 249 and 249.1) shall be effective from March 1, 2019 through December 31, 2021, except that the programs shall terminate immediately, and without further Commission action, on the effective date of any court order, judgment, or opinion or Commission order that changes or eliminates the approved DSIM or Technical Resource Manual, unless the changes are initiated or accepted by the Company. Programs may not be available or fully rolled-out on the tariff effective date. Consult [AmerenMissouri.com/demandresponse](http://AmerenMissouri.com/demandresponse) to determine the status of the programs. Programs may have earlier deadlines for certain activities, as noted on the Company's website [AmerenMissouri.com/demandresponse](http://AmerenMissouri.com/demandresponse).

If the programs are terminated prior to December 31, 2021 under this provision, only Incentives for qualifying Measures that have been executed prior to the programs' termination and in accordance with the appropriate demand response program provisions will be provided to the customer.

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CANCELLING MO.P.S.C. SCHEDULE NO. \_\_\_\_\_ SHEET NO. \_\_\_\_\_

APPLYING TO MISSOURI SERVICE AREADEMAND RESPONSE MEEIA 2019-21 (Cont'd.)DESCRIPTION

The modifications in kW and kWh consumption will be accomplished through the following Programs:

1. Business Demand Response Program
2. Residential Demand Response Program

Program details regarding the interaction between the Company or Program Administrators and customers participating in the Programs, such as Incentives paid directly to customers, available Measures, Measure Ranges, availability of the programs, eligibility, and application and completion requirements may be adjusted through the change process as presented below. Those details, additional details on each program, and other details such as process flows, application instructions, and application forms will be provided on the Company's website [AmerenMissouri.com/demandresponse](http://AmerenMissouri.com/demandresponse) or by calling 800-552-7583.

CHANGE PROCESS

The change process is applicable to changes in a program detail regarding the interaction between the Company or Program Administrators and customers participating in the Programs.

1. Identify need for program detail change regarding the interaction between the Company or Program Administrators and customers participating in the Programs;
2. Discuss proposed change with implementer;
3. Discuss proposed change with evaluator;
4. Analyze impact on program and portfolio (Cost effectiveness, goal achievement, etc.);
5. Inform the Staff, Office of the Public Counsel, and the Missouri Department of Economic Development - Division of Energy (DE) of the proposed change, the time within which it needs to be implemented, provide them the analysis that was done and consider recommendations from them that are received within the implementation timeline (the implementation timeline shall be no less than five business days from the time that the Staff, Office of the Public Counsel, and the DE are informed and provided the above-referenced analysis);
6. Take timely received recommendations into account and incorporate them where the Company believes it is appropriate to do so;
7. Notify and train customer contact personnel (Contact Center, Energy Advisors, Business Center, Key Account Executives, Customer Service Advisors) of the changes;
8. Make changes to forms and promotional materials;
9. Update program website;
10. File updated web pages and, if appropriate, updated list of Measures and Incentive amounts in File No. EO-2018-0211; and
11. Inform Participants, Program Providers, Trade Allies, etc.

Company will also continue to discuss and provide information on ongoing program and portfolio progress at quarterly regulatory stakeholder update meetings.

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DEMAND RESPONSE MEEIA 2019-21 (Cont'd.)

PROGRAM COSTS

Costs of the Demand Response Programs reflected herein shall be reflected in a charge titled "Energy Efficiency Invest Chg" appearing as a separate line item on customers' bills and applied to customers' bills as a per kilowatt-hour charge as specified in the Residential Service Rate 1(M), Small General Service Rate 2(M), Large General Service Rate 3(M), Small Primary Service Rate 4(M), Large Primary Service Rate 11(M), and Large Transmission Service Rate 12(M) rate schedules. All customers taking service under said rate schedules shall pay the charge regardless of whether a particular customer utilizes a demand-side program available hereunder, unless the customer has opted-out as provided for previously or qualifies for the low-income exemption as outlined in Rider EEIC 2019-21.

PROGRAM DESCRIPTIONS

The following pages contain other descriptions and terms for the programs being offered under this tariff.

CHANGES IN MEASURES OR INCENTIVES

Residential Demand Response Program - The Company may offer Measures contained in Company's approved Plan in File No. EO-2018-0211. The actual Measures being offered, and Incentives available to customers, will be listed on Company's website, [AmerenMissouri.com/demandresponse](http://AmerenMissouri.com/demandresponse). The Measures and Incentives being offered are subject to change - customers must consult [AmerenMissouri.com/demandresponse](http://AmerenMissouri.com/demandresponse) for the list of currently available Measures. The website will expressly state in conspicuous language that the Measures and Incentives are subject to change. Should a Measure or Incentive offering shown on Company's website differ from the corresponding Measure or Incentive offering shown in the currently effective notice filed in File No. EO-2018-0211, the stated Measure or Incentive offering as shown in the currently effective notice shall govern.

Business Demand Response Program - The Company will not directly offer specific Incentives for Measures. The Company will engage a Program Administrator who will contract with the customer to provide kW and kWh savings to the Company. Customer payments will vary by industry and ability to reduce kW and kWh. The Program Administrator's contact information will be listed on [AmerenMissouri.com/demandresponse](http://AmerenMissouri.com/demandresponse).



DEMAND RESPONSE MEEIA 2019-21Business Demand Response ProgramPURPOSE

The Business Demand Response Program (Program) will be operated by a demand-response aggregator (who will be the Program Administrator) to obtain energy and demand reductions from existing facilities by incentivizing customers to reduce energy usage through direct load control, manual response, and/or the use of behind the meter assets such as energy management systems or other properly permitted dispatchable assets. The Program Administrator will contract with eligible business customers to obtain the energy and demand reductions.

AVAILABILITY

This Program is available for the Program Period. This Program is available for dispatch 24 hours a day and 7 days a week during the Program Season. It is voluntary, and available to all customers qualifying for service under Service Classifications Small General Service Rate 2(M), Large General Service Rate 3(M), Small Primary Service Rate 4(M), Large Primary Service Rate 11(M), or Large Transmission Service Rate 12(M) provided the customer has metering provided by Company that can record intervals of energy and demand of one hour or smaller.

PROGRAM PROVISIONS

The Company will hire a demand response aggregator who will be the Program Administrator to implement this Program. The Program Administrator will provide the necessary services to effectively implement the Program and strive to attain the energy and demand savings targets. The Program Administrator will develop and enable each participating customer with a customized energy reduction plan and may provide control technology. Customers will have the opportunity to participate in Demand Response Events when initiated by the Company. Customer Incentives will be based on the availability and execution of reducing energy use during an Event. Customers can receive a demand reduction Incentive based on their average demand reduction during the Events in a program year. They can also receive an energy reduction Incentive based on the energy reduction for each Event. Participants will receive Incentive payments directly from the Program Administrator.

Maximum number of Events per Program Season - 10

Minimum number of Events per Program Season - 2

Maximum duration of an Event - 4 hours

Minimum notification before an Event - 1 hour

The Program Administrator will communicate in advance of a Demand Response Event to provide participants the greatest amount of notification to enhance their ability to reduce energy consumption during the Event.

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APPLYING TO MISSOURI SERVICE AREA

DEMAND RESPONSE MEEIA 2019-21 (Cont'd.)

Business Demand Response Program (Cont'd.)

ELIGIBLE MEASURES AND INCENTIVES

The Program Administrator will deliver kW savings through business participants that contract directly with the Program Administrator using unique contract offerings and price points. There are no specific Measures associated with the Program. Additional information can be found at [AmerenMissouri.com/demandresponse](http://AmerenMissouri.com/demandresponse).

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DEMAND RESPONSE MEEIA 2019-21Residential Demand Response ProgramPURPOSE

The Residential Demand Response Program (Program) will obtain energy and demand reductions from residences that have installed Program-eligible devices by incentivizing them to allow the Program Administrator to control their device's operation during peak Events for demand reduction and non-peak periods for energy reduction.

AVAILABILITY

This Program is available for the Program Period. The Program will dispatch Events to reduce peak demand during the Program Season and will reduce energy usage during normal operations throughout the year. It is voluntary, and available to customers in the Residential 1(M) rate class. To be eligible to participate, the customer must:

- a) Have a central air conditioning system or other controllable device as required by the Program;
- b) Have or purchase and install an eligible controlling device; and
- c) Be able to connect the device to a home Wi-Fi network or other network as required by the Program.

PROGRAM PROVISIONS

The Company will hire a Program Administrator to implement this Program. The Program Administrator will provide the necessary services to effectively implement the Program and strive to attain the energy and demand savings targets. The Company and the Program Administrator will follow a multi-faceted approach to marketing the Program.

The Program Administrator will communicate with participants before a Demand Response Event. The Program Administrator will use Program-approved technologies to control the participant's device before and during an Event to maximize the demand savings during the Event while minimizing impact to customer comfort. The Program Administrator will also reduce energy usage by utilizing a continuous load shaping strategy during non-peak periods. Energy management activities undertaken through this Program will occur within customer-selected home temperature threshold set points to minimize customer comfort impact.

Participants will receive Incentives for participating in the Program, which may include upfront enrollment Incentives, an annual Incentive, and an installation Incentive.

Initially, the Program will provide an approved list of eligible WiFi enabled smart thermostats, but as technology, device capability, and the Program evolve, the Program may also obtain energy and demand savings from residences through other connected assets, such as hot water heaters, HVAC switches, residential energy storage, etc.

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APPLYING TO MISSOURI SERVICE AREA

DEMAND RESPONSE MEEIA 2019-21 (Cont'd.)

Residential Demand Response Program (Cont'd.)

PROGRAM PROVISIONS (Cont'd.)

The Company will restrict the length of Demand Response Events to a total duration of no more than 4 hours during any 24-hour period and to a maximum of 10 Events per Program Season. A minimum of three (3) Events per Program Season will be dispatched with at least one (1) Event per Program Season dispatching all Participants.

ELIGIBLE MEASURES AND INCENTIVES

Eligible Demand Response Measures and Incentives paid to customers may be found at [AmerenMissouri.com/rewards](http://AmerenMissouri.com/rewards).

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