

AmerenUE

**Steven R. Sullivan**

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October 8, 2009

Mr. Steven Reed  
Secretary of the Commission  
Missouri Public Service Commission  
200 Madison Street, Suite 100  
Jefferson City, MO 65102-0360

RE: JE-2010-0229

Dear Mr. Reed:

This letter is being transmitted to you to withdraw the 3<sup>rd</sup> Revised Sheet No. 225. This will leave in effect the 2<sup>nd</sup> Revised Sheet No. 225. This withdrawal does not impact the Company's request for the Commission to approve the other sheets submitted in JE-2010-0229.

Sincerely,



Cc: Office of the Public Counsel  
Tom Imhoff – MPSC  
Mack McDuffey – MPSC  
John Rogers – MPSC  
James Watkins – MPSC



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September 25, 2009

Mr. Steven Reed  
Secretary of the Commission  
Missouri Public Service Commission  
200 Madison Street, Suite 100  
Jefferson City, MO 65102-0360

Dear Mr. Reed:

The accompanying tariff sheets issued by Union Electric Company d/b/a AmerenUE are transmitted to you for filing as a revision of Schedule No. 5, Schedule of Rates for Electric Service:

Filed

3<sup>rd</sup> Revised Sheet No. 225  
2<sup>nd</sup> Revised Sheet No. 231  
1<sup>st</sup> Revised Sheet No. 235.1  
1<sup>st</sup> Revised Sheet No. 235.2  
1<sup>st</sup> Revised Sheet No. 235.3  
1<sup>st</sup> Revised Sheet No. 235.6

Canceling

2<sup>nd</sup> Revised Sheet No. 225  
1<sup>st</sup> Revised Sheet No. 231  
Original Sheet No. 235.1  
Original Sheet No. 235.2  
Original Sheet No. 235.3  
Original Sheet No. 235.6

These sheets are issued September 25, 2009, to become effective on and after October 25, 2009.

These sheets are being filed to revise the Business Energy Efficiency tariffs that were previously filed by AmerenUE. The following changes were made:

On Sheet No. 225, wording was added to the Availability section to add provisions required by the Missouri Energy Efficiency Investment Act.

On Sheet No. 231, the table of standard lighting incentives has been modified to reflect information learned through the implementation of the program and to add clarity.

For Sheet Nos. 235.1-235.6, the determination of the baseline design to be used for the lighting incentives in the New Construction tariff have been clarified. Incentives provided under the New Construction tariff have been qualified with the words "Actual Cost Up to" to avoid any overpayment of incentives. Also, various other minor wording changes were made in the New Construction tariff.



Sincerely,

*Stuart R. Sullivan* JMS

Enclosures

Cc: Office of the Public Counsel  
Tom Imhoff – MPSC  
Mack McDuffey – MPSC  
John Rogers – MPSC  
James Watkins – MPSC

MO.P.S.C. SCHEDULE NO. 52nd RevisedSHEET NO. 231CANCELLING MO.P.S.C. SCHEDULE NO. 51st RevisedSHEET NO. 231

APPLYING TO

MISSOURI SERVICE AREA

**BUSINESS ENERGY EFFICIENCY**  
**Standard Incentive Program(cont.)**

<b>*Lighting and Controls Measures - Incentives</b>		
<b>Efficient Equipment (to be installed)</b>	<b>Existing Equipment (to replace/retrofit)</b>	<b>Incentive Per Unit</b>
New pin based CFL fixture <= 45 watts	Replace <= 100 watt incandescent bulb or 250 watt dimmable T3 halogen torchiere	\$10.00
New pin based CFL fixture > 45 watts	Replace > 100 watt incandescent bulb or 300 watt dimmable T3 halogen torchiere	\$15.00
GU-24 pin based "twist & lock" CFL with non-removable screw-in adapter < 30 watts	Replace <= 100 watt incandescent bulb	\$5.00
GU-24 pin based "twist & lock" CFL with non-removable screw-in adapter >= 30 watts	Replace > 100 watt incandescent bulb	\$8.00
Relamp & Reballast or New Fixture & Ballast: (Equivalent length of T8 Lamps must be installed to replace T12 Lamps)	Replace up to 6' of T12 lamp per fixture	\$6.00
	Replace 8' to 12' of T12 lamp per fixture	\$9.00
	Replace 16' of T12 lamp per fixture	\$12.00
LED or Electroluminescent Exit Signs	Replace CF 18W or >=30W Incandescent	\$12.00
Occupancy Sensors: Passive Infrared or Ultrasonic	Uncontrolled lighting > 120 watts.	\$35.00
Occupancy Sensors: Dual Technology - Passive Infrared with Ultrasonic	Uncontrolled lighting > 150 watts.	\$45.00
Daylight Dimming	Uncontrolled lighting > 150 watts.	\$30.00
Occupancy Sensors: Built-in to individual fixtures	Uncontrolled lighting > 50 watts.	\$15.00
Permanent Delamping/Relamping (8' 1Lamp T8 with electronic ballast, specular reflector)	Replace 8' 2Lamp T12	\$10.00
Permanent Delamping/Relamping (4' 2Lamp T8 with electronic ballast, specular reflector)	Replace 4' 4Lamp T12	\$15.00
Abbreviations: CFL = Compact Fluorescent Light. T8 = A fluorescent Tube Lamp with a diameter of 8/12 inches. LED = Light Emitting Diode Lamp.		

\* Indicates Change

DATE OF ISSUE September 25, 2009DATE EFFECTIVE October 25, 2009ISSUED BY Warner L. Baxter  
NAME OF OFFICERPresident & CEO  
TITLESt. Louis, Missouri  
ADDRESS

MO.P.S.C. SCHEDULE NO. 5 1st Revised SHEET NO. 235.1CANCELLING MO.P.S.C. SCHEDULE NO. 5 Original SHEET NO. 235.1APPLYING TO MISSOURI SERVICE AREA

**BUSINESS ENERGY EFFICIENCY**  
**New Construction Incentive Program**

**Purpose**

The New Construction Incentive 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 standard or planned systems through training, design incentives, and installation incentives.

**Availability**

This program is voluntary and available to customers qualifying pursuant to the Business Energy Efficiency Availability section and meeting the Program Provisions below. 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.

**Definitions**

**\*Baseline Building Design** - The baseline building design will be established on a case-by-case basis, as the more stringent of either the ASHRAE Code 90.1-2001, the facility's original design, the local energy code, and any legal or contractual construction requirements. Baseline building design will be documented in the Technical Analysis Study(TAS).

**Eligible Measure** - A Measure which is readily available in the marketplace as listed in this tariff.

**\*\*Installed Interior Lighting** - Includes all lighting equipment in the interior spaces of the building, except exit signs, decorative lighting/signage and plug load lighting.

**Leadership in Energy and Environmental Design(LEED™)** - A Green Building Rating System, developed by the U.S. Green Building Council (USGBC), that provides a suite of standards for environmentally sustainable construction.

**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:

- Describe the proposed facility (typically with a sketch or blueprint showing site layout or floor plan).
- Describe the Baseline Building Design and provide its estimated electricity use and estimated annual Operations & Maintenance costs.
- Describe the efficient equipment to be added along with key performance specifications.
- Provide estimated electricity use for the efficient condition.
- Provide the energy and demand savings calculations, together with the source of input parameter numbers and justification for each assumption made.
- Provide the incremental cost to implement the project.
- 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).

\* Indicates Change. \*\* Indicates Addition.

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MO.P.S.C. SCHEDULE NO. 5 1st Revised SHEET NO. 235.2CANCELLING MO.P.S.C. SCHEDULE NO. 5 Original SHEET NO. 235.2APPLYING TO MISSOURI SERVICE AREA

**BUSINESS ENERGY EFFICIENCY**  
**New Construction Incentive Program (cont.)**

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.

In addition, those definitions applicable pursuant to the Business Energy Efficiency Definitions section.

**\*Program Provisions**

Program benefits are tailored to projects through 3 tracks - The Systems Track, the Whole Building Track, and the Late Involvement Track. Program provisions for each track include:

Systems Track - Generally for buildings less than 70,000 square feet.

- Encourage energy efficient design through the evaluation of energy savings opportunities for specific building systems.
- Actual cost up to \$7,000 for completion of TAS.
- Actual cost up to \$5,000 for incremental design work required to incorporate Eligible Measures into final design.
- Implementation Incentives listed in this tariff.

Whole Building Track - Generally for buildings 70,000 square feet and larger.

- Encourage energy efficient design through the use of simulation modeling tools.
- Actual cost up to \$3,000 for completion of action plan by design team.
- Actual cost up to \$7,000 plus \$.04/sf above 70,000 sf for completed TAS.
- Actual cost up to \$5,000 for incremental design work required to incorporate Eligible Measures into final design.
- \$5,000 for buildings which achieve 15% designed electrical energy savings over baseline.
- \$10,000 for buildings which achieve 20% designed electrical energy savings over baseline.
- \$5,000 for buildings which attain LEED™ certification.
- Implementation Incentives listed in this tariff.

Late Involvement Track - Buildings in final design or construction stages.

- Encourage building owners to change currently specified equipment to more energy efficient choices.
- Actual cost up to \$5,000 for incremental design work required to change design to incorporate Eligible Measures.
- Implementation Incentives listed in this tariff.

Additional program details such as process flows, application instructions, application forms, etc., will be provided on the Company's website [www.ameren.com/BIZefficiency](http://www.ameren.com/BIZefficiency) or by calling toll free 1-866-941-7299.

\* Indicates Change.

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MO.P.S.C. SCHEDULE NO. 51st RevisedSHEET NO. 235.3CANCELLING MO.P.S.C. SCHEDULE NO. 5OriginalSHEET NO. 235.3

APPLYING TO

MISSOURI SERVICE AREA**BUSINESS ENERGY EFFICIENCY****New Construction Incentive Program (cont.)****Implementation Incentives**

Implementation Incentives will be provided on equipment and systems including, but not limited to lighting, lighting controls, HVAC, motors, and building envelope as either a Standard Incentive or a Custom Incentive based on annual kWh savings. The Incentives for each Measure type are shown below.

**\*New Construction Installed Interior Lighting Incentives**

Lighting Incentives will be offered on a performance basis compared with program criteria based on the applicable energy code of ASHRAE determined as the baseline design standard. The program will use the Whole Building Area Method of assigning a base level of watts per square foot (W/sf) of building space specified by building type. A table of these installed lighting levels for characteristic building types defined in ASHRAE 90.1-2001 and ASHRAE 90.1-2004 is shown below. Incentives will be paid for buildings that achieve lighting power densities at least 10% below the lighting power densities specified by the applicable ASHRAE code. Incentives shall be determined as the square footage of the building interior spaces times one dollar (\$1.00) times the difference between the program criteria watts per square foot (90% of the ASHRAE specified lighting power density for the appropriate building type) and the actual installed lighting power density W/sf for the building, as completed. The maximum lighting Incentive shall not exceed 50% of project cost, including taxes.

Building Type	ASHRAE 90.1- 2001 W/sf	ASHRAE 90.1- 2004 W/sf	Building Type	ASHRAE 90.1- 2001 W/sf	ASHRAE 90.1- 2004 W/sf
Automotive Facility	1.5	0.9	Museum	1.6	1.1
Convention Center	1.4	1.2	Office	1.3	1.0
Court House	1.4	1.2	Parking Garage	0.3	0.3
Dining Bar/Lounge/Leisure	1.5	1.3	Penitentiary	1.2	1.0
Dining Cafeteria/ Fast Food	1.8	1.4	Performing Arts Theatre	1.5	1.6
Dining Family	1.9	1.6	Police/Fire Station	1.3	1.0
Dormitory	1.5	1.0	Post Office	1.6	1.1
Exercise Center	1.4	1.0	Religious Building	2.2	1.3
Gymnasium	1.7	1.1	Retail	1.9	1.5
Hospital/ Healthcare	1.6	1.2	School/University	1.5	1.2
Hotel	1.7	1.0	Sports Arena	1.5	1.1
Library	1.5	1.3	Town Hall	1.4	1.1
Manufacturing Facility	2.2	1.3	Transportation	1.2	1.0
Motel	2.0	1.0	Warehouse	1.2	0.8
Motion Picture Theatre	1.6	1.2	Workshop	1.7	1.4
Multi-Family	1.0	0.7			

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MO.P.S.C. SCHEDULE NO. 5 1st Revised SHEET NO. 235.6CANCELLING MO.P.S.C. SCHEDULE NO. 5 Original SHEET NO. 235.6APPLYING TO MISSOURI SERVICE AREA

**BUSINESS ENERGY EFFICIENCY**  
**New Construction Incentive Program (cont.)**

**\* Custom Energy Efficient Incentives**

Measures not specified above as having a Standard Incentive may receive a Custom Incentive and shall be treated as custom Measures as they are in the Custom Incentive Program.

Customers may apply for a Custom Incentive for Measures under consideration which:

- Reduce energy consumption compared to the currently specified or standard efficiency system currently available;
- Have not yet been installed or for which a non-cancelable order has not yet been made;
- Have not received an Incentive under any other Company program;
- Are not listed in any of the Standard Incentives of this program;
- Have a simple electrical savings payback of greater than eighteen (18) months (excluding the program Incentive);
- Pass a screening test in accordance with 4 CSR 240-22.050(3)

\* Per the current Business Energy Efficiency Custom Incentive guidelines, the Incentive shall be \$0.05 per kWh of annualized electrical energy savings with program Incentives not to exceed 50% of the total Energy Efficiency Measure costs. Procedures to determine the savings for a Measure will follow the Custom Incentive process. Measure description, incremental cost and energy and demand savings must be provided by applicant for all Custom Incentive projects.

The combined Incentives provided under this program are limited to \$250,000 per site per Program Year and \$500,000 per customer per Program Year. However, Projects exceeding the \$250,000 and \$500,000 limits with exceptional benefits may be allowed by the Company on a case-by-case basis. Prior to allowing such an exception, the Company shall provide the Commission Staff and the Office of Public Counsel documentation supporting the exception.

**Term**

This tariff shall be effective through September 30, 2011 and will terminate thereafter unless extended. No Incentives will be provided on requests from application forms and supporting documentation postmarked, emailed, or faxed after August 31, 2011.

\* Indicates Change.

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