Exhibit No.: 036
Issue(s): Rate Design
Witness: Wilbon L. Cooper
Sponsoring Party: Union Electric Company
Type of Exhibit: Direct Testimony
Case No.: ER-2012-0166
Date Testimony Prepared: February 3, 2012

MISSOURI PUBLIC SERVICE COMMISSION

CASE NO. ER-2012-0166

DIRECT TESTIMONY

OF

WILBON L. COOPER

ON

BEHALF OF

UNION ELECTRIC COMPANY
d/b/a Ameren Missouri

St. Louis, Missouri
February, 2012

TABLE OF CONTENTS

DIRECT TESTIMONY

OF

WILBON L. COOPER

CASE NO. ER-2012-0166

I. INTRODUCTION

Q. Please state your name and business address.

A. My name is Wilbon L. Cooper. My business address is One Ameren Plaza, 1901 Chouteau Avenue, St. Louis, Missouri 63103.

Q. By whom are you employed and in what capacity?

A. I am employed by Union Electric Company d/b/a Ameren Missouri ("Ameren Missouri" or the "Company") as the Manager of the Rates and Tariffs Department.

Q. Please describe your educational background and employment experience.

A. I have a Bachelor of Science degree in Electrical Engineering from the University of Missouri-Rolla.

I was employed as an Assistant Engineer in the Rate Engineering Department of Union Electric in June 1980. My work included assignments relating to the general analyses and administration of various aspects of Union Electric's electric, gas, and steam rates. In October 1989, I was appointed Supervising Engineer – Rate Analysis in the Rate Engineering Department of Corporate Planning, which eventually became a part of Ameren Services Company. In this position, I was responsible for meeting the analytical requirements for the Company's retail gas and electric rates and wholesale electric rates,

including load research and various cost of service and rate design studies, as assigned. I was appointed to my present position of Manager of Rates and Tariffs in March 2003.

I currently have responsibility for the general policies and practices associated with the day-to-day administration and design of Ameren Missouri's electric and gas rate tariffs, riders and rules and regulations tariffs on file with the Missouri Public Service Commission ("Commission") and in the participation in various proceedings before this regulatory agency. In addition, Rates and Tariffs is responsible for conducting class cost of service and rate design studies and the participation in other projects of a general corporate nature, as requested by the Company's Vice President-Regulatory and Legislative Affairs.

I have previously submitted testimony before the regulatory commissions of Missouri, Illinois, and Iowa.

II. PURPOSE AND SUMMARY OF TESTIMONY

Q. What is the purpose of your direct testimony in this proceeding?

A. My direct testimony discusses: a) the revenue increase being proposed for the Company's electric retail rate classes; b) the development and results of a class cost of service study being submitted in connection with the direct testimony of Ameren Missouri witness William M. Warwick as part of this case; and c) the design and development of rates for the individual class rates.

Q. Are you sponsoring any schedules for presentation to the Commission in this proceeding?

A. Yes. I am sponsoring eight schedules. The first three, discussed immediately below, provide a summary of the rate increase requested in this case. I discuss the remaining schedules throughout my direct testimony.

Q. Please identify Schedule WLC-E1.

A. Schedule WLC-E1 consists of thirty-two (32) tariff sheets, which reflect the revised rate tariffs. These tariffs, taken as a whole, would provide an increase in the Company's net Missouri electric jurisdictional normalized test year revenues of approximately $375.6 million, or approximately 14.6%, over the annualized test year base rate[1] revenue that would be realized from the tariffs which are effective at the time of this filing.

Q. Please identify Schedule WLC-E2.

A. Schedule WLC-E2 shows the distribution of the proposed net revenue increase to the Company's various proposed rate service classifications resulting from the rates contained in the proposed tariffs in Schedule WLC-E1, excluding gross receipts taxes levied on customer billings by the various municipalities within the Company's service area.

Q. Please identify Schedule WLC-E3.

A. Schedule WLC-E3 illustrates the effects of the proposed rates in the tariffs in Schedule WLC-E1 upon typical monthly bills of customers served under the Company's non-lighting rate service classifications.

III. CLASS COST OF SERVICE STUDY

A. Class Cost of Service Concepts and Operating System Components

Q. Please explain what is meant by "class cost of service."

A. The Company currently provides service to its customers in a number of rate classifications that are designated for residential or non-residential service. The non-residential customer group is differentiated by customer size and the voltage level at which the Company provides service. The current customer classes are Residential, Small General Service ("SGS") and Large General Service ("LGS") (all of which have their service delivered at a low secondary voltage level); Small Primary Service ("SPS") and Large Primary Service ("LPS") (delivery at a high voltage level); Large Transmission Service ("LTS") (delivery at a "transmission" voltage level) and Lighting Service (both area and street lighting). A class cost of service study provides a basis for allocating and/or assigning the Company's total jurisdictional cost of providing electric service to these various customer classes in a manner that reflects cost causation. The results of a class cost of service study with equalized rates of return are often referred to as "class revenue requirements." Mr. Warwick conducted a class cost of service study for this case, under my supervision, and he is sponsoring that study in direct testimony filed in this proceeding.

Q. How are the results of a class cost of service study used by the Company?

A. These study results are typically used to develop the target level of annual

[1] The test year in this case is the 12 months ending September 30, 2011, with certain pro forma adjustments discussed in the direct testimony of Ameren Missouri witness Gary S. Weiss, including as adjusted for customer growth through July 31, 2011.

revenue that the Company should recover from each customer class through the application of the rates or charges within the Company tariffs under which the various customer classes are being served.

Q. Please explain your use of the term "rate design."

A. Generically speaking, my use of the term "rate design" refers both to the process of establishing the specific charges (e.g. monthly customer charges, dollars per kilowatt of demand and/or cents per kilowatt-hour energy charges) for each customer class, as well as to the actual structure of an individual class rate. The rate design, or structure, of a given class rate may range in complexity from a simple structure consisting of a monthly customer charge and a flat charge per kilowatt-hour (such as the Company's summer Residential rate), to a more complex set of customer, demand, energy and reactive charges (such as the Company's SPS, LPS and LTS rates). In all instances, however, the charges within a specific rate classification are established such that the application of these individual charges to the total annual customer class electrical usage will result in the collection of the targeted annual revenue requirement of each of the Company's retail rate classes.

Q. As background for additional discussion on the class cost of service study the Company is sponsoring in this case, please provide a general description of the various facilities utilized by the Company in producing and delivering electricity to its customers.

A. Schedule WLC-E4 of my testimony is a simplified diagram illustrative of the Ameren Missouri electric system, showing how power flows from the generating station and is then transmitted and distributed to the home of a residential customer.

Other customers receiving service at higher voltage levels are also served from various points on the same system.

Q. Please describe, in more detail, how the Company's system operates.

A. As illustrated in Schedule WLC-E4, electrical power is produced at the Company's generating stations at voltage levels ranging from 11,000 to 23,750 volts. To achieve transmission operating economies, this voltage is raised, or stepped up, by power transformers at the generating station sites to voltages generally ranging from 138,000 to 345,000 volts for transmission to the Company's bulk substations that are strategically located throughout its service area.

Q. What is the function of the Company's bulk substations?

A. Bulk substations receive electrical power at transmission voltage levels. They then lower, or step-down, this power to transmission or distribution voltages generally ranging from 138,000 volts to 34,500 or 69,000 volts. Such power is then distributed over the Company's 34,500 or 69,000 volt distribution lines to distribution substations located throughout the Company's service area.

Q. What function do distribution substations perform?

A. Distribution substations, which are far more numerous than bulk substations, provide a further reduction in the electrical power voltage to a range of 4,160 to 13,800 volts within various portions of the Company's service area. The power is then distributed over the Company's 4,160 to 13,800 volt distribution lines to points at or near the premises of the Company's customers.

Q. After electrical power at 4,160 to 13,800 volts is delivered to a point at or near a customer's premises, do any further reductions in voltage take place?

A. Yes, in most instances. While approximately 720 of the Company's largest industrial and commercial customers in Missouri take service at the 4,160 to 13,800 volt range or higher, the majority of the Company's customers are served at lower voltages, ranging from 120 to 480 volts. The lower voltages are achieved through the use of numerous line transformers located at or near the customer's premises. This low voltage electrical power from the line transformer is delivered to a customer's premises over low voltage lines referred to as "secondary" and "service" lines.

Q. What voltages are utilized in providing electric service to residential customers?

A. Residential customers are served at either 120 or 240 volts depending upon the customer's service entrance panel size and connected appliances.

Q. What voltages are utilized to serve non-residential customers?

A. Non-residential customers on the Company's SGS or LGS rates are served at voltages from 120 to 480 volts due to the wide variety of electrical consuming devices utilized by such customers. Customers in the latter voltage range are often referred to as "secondary" voltage customers. Other larger non-residential customers receiving service at 4,160 to 13,800 volts are referred to as "primary" voltage customers. The Company also serves approximately 75 customers in Missouri at voltages above the 13,800 volt level. These are referred to as "high voltage" or Rider B customers. Additionally, the Company serves its only current LTS customer at 161 kilovolts ("kV") via a unique transmission service arrangement.

Q. In your description of the Ameren Missouri generation, transmission and distribution system are you using the term "lines" in a general sense?

A. Yes. Those "lines" may be overhead conductors or underground cables. Overhead "lines" include all poles, towers, insulators, crossarms and all other hardware associated with such installations. Underground "lines" include direct buried cable, as well as that installed in single or multi-duct conduit, and other associated hardware.

B. Costs and Revenues in Class Cost of Service Study

Q. Please describe the components of costs and revenues that are contained in the class cost of service study that the Company is filing in this case.

A. A traditional cost of service study incorporates the aggregate jurisdictional (Missouri or Federal Energy Regulatory Commission ("FERC")) accounting and financial data normally submitted to a regulatory commission by a utility in support of a request for an adjustment in its overall rate levels. Such a study is required to determine the level of revenues necessary for the Company to recover its operating and maintenance expenses, depreciation applicable to its investment in utility plant, property taxes, income and other taxes, and provide a fair rate of return to the Company's investors, through its rates. The Company's class cost of service study allocates, or distributes, these total jurisdictional costs to the various customer classes in a cost-based manner that fairly and equitably reflects the cost of the service being provided to each customer class.

Q. Was a Missouri jurisdictional cost of service study performed by the Company's Regulatory Accounting group the starting point for the class cost of service study performed and sponsored by Mr. Warwick?

A. Yes, it was. As I indicated above, the Company's class cost of service study is a continuation and refinement of the Missouri jurisdictional cost of service study discussed in the direct testimony of Mr. Weiss, resulting in a determination of the costs incurred in providing electric service to each of the Company's customer classes.

Q. What major categories of cost were examined in the development of the class cost of service study being sponsored by Mr. Warwick in this case?

A. A detailed analysis was made of all elements of the Company's Missouri jurisdictional rate base investment and expenses during the test year for the purpose of allocating such items to the Company's present customer classes. This analysis consisted of classifying the various elements of cost into their customer-related, energy-related and demand-related cost categories.

Q. Why are the Company's costs classified into these three categories?

A. It is generally accepted within the industry that the costs in each of these categories result from different cost causation factors and, hence, should be allocated among the various customer classes by different methodologies which consider such cost causation.

Q. What are customer-related costs?

A. Customer-related costs are the minimum costs necessary to just make electric service available to the customer, regardless of the extent to which such service is utilized. Examples of such costs include monthly meter reading, billing, postage,

customer accounting and customer service expenses, as well as a portion of the costs associated with the required investment in a meter, the service line, the transformer and other distribution system facilities. The customer components of the distribution system are those costs necessary to simply make service available to a customer, without the consideration of the amount of the customer's electrical use. The January 1992 edition of the Electric Utility Cost Allocation Manual, published by the National Association of Regulatory Utility Commissioners ("NARUC"), references both customer-related and demand-related cost components for all distribution plant and operating expense accounts other than for substations and street lighting plant accounts.

Q. What are energy-related costs?

A. Energy-related costs are those costs related directly to the customer's consumption of electrical energy (kilowatt-hours) and consist primarily of fuel, fuel handling, interchange power costs, and a portion of production plant maintenance expenses.

Q. What are demand-related costs, which are the third category of costs to which you referred?

A. Demand-related costs are rate base investment and related operating expenses associated with the facilities necessary to supply a customer's service requirements during periods of maximum, or peak, levels of power consumption each month. During such peak periods, this usage is expressed in terms of the customer's maximum power consumption, commonly referred to as kilowatts of demand. As so defined, demand-related costs include those costs in excess of the aforementioned customer and energy-related costs. The major portion of demand-related costs consists of

generation and transmission plant and the non-customer-related portion of distribution plant.

Q. Was there an additional category of cost that was examined in this analysis?

A. Yes, as discussed in Mr. Warwick's testimony, costs associated with the Company's energy efficiency programs were split into two categories: 1) program costs reflected as a regulatory asset in Mr. Weiss' jurisdictional revenue requirement study and 2) energy efficiency revenue requirements addressed in the Company's January 2012 Missouri Energy Efficiency Investment Act ("MEEIA") filing that are also reflected in Mr. Weiss' jurisdictional study.

C. <u>Cost Allocations</u>

Q. After the Company's costs are categorized into one of the three major classifications, how are they allocated to the various rate classes?

A. Customer-related costs are normally allocated on the basis of the number of customers associated with each rate class. In some instances involving non-residential customer multiple metering installations, weighting factors may also be used. In addition, where specific costs can be identified as being attributable to one or more specific customer classes, such as credit and collection expenses, a direct assignment of such costs will be made.

Energy-related costs are allocated to the customer classes on the basis of their respective energy (kilowatt-hour) requirements at the generation level of the Company's system, which includes applicable system energy losses. The use of this common point on the Company's system to allocate such costs ensures that each customer class will be

assigned the appropriate portion of the Company's total incurred variable fuel and purchased power costs.

Demand-related distribution costs are allocated to customer classes using one or more allocation factors based upon customer class coincident, class non-coincident or individual customer non-coincident kilowatt demands. Demand-related transmission costs are allocated to customer classes on a 12 coincident peak ("CP") basis, as that methodology is consistent with the method utilized to assign cost responsibility of the demands of the Ameren operating companies and all of the other utilities participating in the Midwest Independent Transmission System Operator, Inc. ("MISO"), per the MISO's Attachment O Rate Formulae in the Open Access Transmission, Energy and Operating Reserve Markets Tariff on file at the FERC. Demand-related production costs are allocated on the basis of the Average & Excess ("A&E") Demand Method referenced in the NARUC cost allocation manual. As not all customers have demand meters, customer class and individual customer kilowatt demand data is obtained from the Company's ongoing load research program.

Q. As generation (production) plant consists of more than half of the Company's total plant investment, please summarize the most common cost allocation methodologies employed within the electric utility industry for the allocation of generation plant.

A. The most common and generally accepted methodologies used for the allocation of generation plant can be grouped into the following three categories:

Peak Responsibility – Costs are allocated on the basis of the relative customer class demands at the time of occurrence of the company's system peak during the

period of study (referred to as the "coincident peak" or "CP" method). One or more system peak hours, or a number of monthly or seasonal system peaks, are normally used in applying the CP methodology.

Non-Coincident Peak – Costs are allocated on the basis of the maximum peak demand of each customer class at any time during the study period, without regard to the time of occurrence or magnitude of the company's coincident system peaks (referred to as the "NCP" method). As with the CP method, the NCP methodology can employ one or more customer class peaks in its application.

Average and Excess - Costs are allocated based upon a weighting of average class demand throughout the year (kilowatt-hours ÷ 8,760 hours) and class "excess" demand(s). The excess demand(s) used in this determination are the class NCP demand(s) in excess of the average class demand during the study period. As with the CP and NCP methodologies, this method can also employ the use of one or more customer class NCP demands to determine class excess demands. Average class demands are weighted by the Company's annual system load factor ("LF") (LF = average demand ÷ peak demand) and excess class demands are weighted by the complement of the load factor (1.0 – LF) in the development of cost allocation factors using this methodology.

Q. Which cost allocation methodology is the Company using for production plant in its class cost of service study in this case?

A. The Company is utilizing the 4 NCP version of the Average and Excess demand methodology for allocating production plant in this case.

Q. From a generation perspective, what were the considerations associated with the Company's election to utilize the A&E demand allocation methodology for production plant in this case?

A. Two major factors associated with generation capacity planning prompted the use of the A&E demand cost allocation methodology. Generally, system peak demands and, to a somewhat lesser extent, excess customer demands, are the motivating factors which influence the amount of capacity the Company must add to its generation system to provide for its customers' maximum demands. However, the type of capacity (base, intermediate or peaking) which the Company must add is not dictated by maximum customer demand alone, but also by the annual energy, or kilowatt-hours, which will be required to be generated by such capacity, i.e., the generation unit's utilization factor. A cost allocation methodology that gives weight to both a) class peak demands and b) class energy consumption (average demands) is required to properly address both of the above considerations associated with capacity planning. The A&E methodology gives weight to both of these considerations by its inclusion of both average class demands, which are kilowatt-hours divided by total hours in the year (8,760) and the excess NCP demands of each class. As indicated earlier, the Company's A&E cost allocation study used both the 4 NCP and average class demands in the determination of class excess demands.

Q. Is there also quantitative support for the Company's selection of the 4 NCP version of the A&E demand allocation methodology for production plant?

A. Yes. The 4 NCP version of the A&E methodology, which uses the four maximum non-coincident monthly peak demands for each customer class during the test

year, was selected due to the fact that 14 of the 20 maximum 4 NCP monthly demands for the Company's major (i.e., non-lighting) customer classes occurred during the Company's summer peak demand months of June-September. The use of the 4 NCP demand option, rather than a lesser number of monthly NCP demands, also prevents the demand allocator for any customer class from being unduly influenced by any extreme demand in a given month.

Q. Is there any additional support for the Company's selection of the 4 NCP version of the A&E demand allocation methodology for production plant?

A. Yes. The Commission's order in the Company's 2010 electric rate case (Case No. ER-2010-0036) found that the Company's A&E method was the most reliable of the submitted methods. Additionally, its order in the Company's most recently adjudicated electric rate case (Case No. ER-2011-0028) also provided support for the use of the A&E method.

Q. After the determination of customer, energy and demand allocation factors for the various components of the Company's costs, what was the next step in the completion of the Company's class cost of service study?

A. The next step was to apply the allocation factors developed for each class to each component of rate base investment and each of the elements of expense specified in the jurisdictional cost of service study. The aggregation of such cost allocations indicates the total annual costs, or annual revenue requirement, at equalized rates of return associated with serving a particular customer class. The operating revenues of each customer class minus its total operating expenses provide the resulting net operating income for each class. This net operating income divided by the rate base allocated to

each class will indicate the percentage rate of return being earned by the Company from a particular customer class. This application of allocation factors to Missouri electrical jurisdictional costs, the aggregation of the total annual cost to each of the customer classes and a summary of the results of the Company's class cost of service study are described in detail in Mr. Warwick's direct testimony.

Q. Earlier you mentioned the categorization of energy efficiency related costs. How were these costs allocated to the affected customer classes?

A. Costs in the aforementioned category 1) (Program costs) were directly assigned to the rate classes based on utilization of program benefits to date. The revenue requirements in the aforementioned category 2) were allocated consistent with the Company's MEEIA filing.

D. <u>Study Results</u>

Q. Referring now to the results of the Company's class cost of service study performed by Mr. Warwick in this case, please identify Schedule WLC-E5.

A. Schedule WLC-E5 (which is the same as Mr. Warwick's Schedule WMW-E1) summarizes the results of the Company's class cost of service study, indicating the rate of return on rate base currently being earned on the service being provided to the Company's major retail customer classes. As indicated earlier, the basic starting point for this study was the Missouri jurisdictional cost of service study.

Q. What general conclusions can be drawn from the information contained in Schedule WLC-E5?

A. The Residential, and Lighting Service classes are providing a below average rates of return, while all other classes are providing above average rates of return.

Overall, as is suggested by the filing of this case, the Company is earning an inadequate return on its rate base.

E. Class Revenue Proposals

Q. Please identify Schedule WLC-E6.

A. Schedule WLC-E6 summarizes the class revenue requirements necessary to give the Company an opportunity, based upon test year figures with the pro forma adjustments made by Mr. Weiss, to achieve an equal rate of return from each of its customer classes. This information was developed from the cost of service data contained in Schedules WMW-E1 and WMW-E2 of Mr. Warwick's direct testimony, and is based upon the Company's proposed level of Missouri retail revenues.

Q. Why are the equal rates of return for all customer classes an appropriate starting point when designing electric utility rates?

A. There are several reasons why equal class rates of return are an appropriate starting point in the consideration of rate design. First and foremost is the consideration of equity and fairness to all electric customers. Purely from a cost perspective and ignoring all other factors, to overcharge one customer class in order to subsidize another class is not supportable.

A second important consideration in support of equal class rates of return is the goal of encouraging cost effective utilization of electricity by customers. To make appropriate decisions regarding the most efficient and effective use of electricity, as well as the acquisition of electrical consuming equipment, customers require correct and appropriate price signals from the Company's electric rates.

A third consideration is that of competition. Cost-based electric rates permit the Company to compete effectively with alternative fuels, co-generation and other electric providers for new commercial and industrial customers.

Q. Once the annual cost-based revenue requirements are developed by this process for all of the Company's customer classes, would the design of specific rates for each class be the next and final step in the overall rate development process?

A. If one was to base class rates solely on class cost of service and ignore other relevant factors, the response would be yes. However, the results of Mr. Warwick's study produced the following revenue increases by customer class:

Customer Class	Cost of Service Increase
Residential Service	24.4%
Small General Service	6.8%
Large General and Small Primary Service	4.8%
Large Primary Service	7.3%
Large Transmission Service	8.6%
Lighting Service	22.8%

Q. Is the Company proposing that these cost-based class revenue requirements be utilized in developing class rates in the case?

A. No, the Company is proposing a departure from class revenue requirements or rate design being established solely on the basis of equal class rates of return as shown in its class cost of service study.

Q. Why is the Company proposing to vary from the cost-based revenue requirements?

A. The Company recognizes that factors other than cost of service are relevant to determining class revenue requirements. These factors may include, but are not limited to, revenue stability, rate stability, effectiveness in yielding total revenue requirements, public acceptance, and value of service.

Q. What is the Company's proposal for allocating the revenue increase requested in this case?

A. The Company is proposing to allocate the revenue increase requested in this case across-the-board, on an equal percentage of present revenue basis.

Q. Please explain the Company's proposal to allocate the revenue increase in this case on an equal percentage or across-the-board basis rather than based solely on class cost of service study results.

A. While cost-based rates are an important starting point in developing class revenue targets and rate design, the aforementioned other factors of revenue stability, rate stability, effectiveness in yielding total revenue requirements, public acceptance, and value of service should be considered when determining class revenue requirements and designing rates. Considering the prolonged nature of the country's challenging economic

conditions, these other factors take on more importance. Judgmental weighting of all these factors drove the Company's equal percentage of increase proposal.

Q. Did the Commission's order in Case No. ER-2011-0028 contain any language to support establishing class revenue requirements based on factors other than class cost of service results?

A. Yes. At pages 115-116 the order states, "In general, it is important that each customer class carry its own weight by paying rates sufficient to cover the cost to serve that class. That is a matter of simple fairness in that one customer class should not be required to subsidize another. Requiring each customer class to cover its actual cost of service also encourages cost effective utilization of electricity by customers by sending correct price signals to those customers. [285] However, the Commission is not required to precisely set rates to match the indicated class cost of service. Instead, the Commission has a great deal of discretion to set just and reasonable rates, and can take into account other factors, such as public acceptance, rate stability and revenue stability in setting rates."

Q. Please identify Schedule WLC-E7.

A. Schedule WLC-E7 summarizes the proposed class revenue requirements necessary to give the Company an opportunity, based upon test year figures, to achieve its jurisdictional rate of return.

Q. What was the source of the billing unit data used in the design of the Company's proposed rates?

A. Ameren Missouri witness James R. Pozzo is providing direct testimony discussing the billing unit data used in the design of the proposed rates. The data

contained in Schedules JRP-E1 through JRP-E6 of Mr. Pozzo's direct testimony in this case was used as a resource for the individual class billing units. The data in these schedules are based upon the Company's weather normalized sales during the test year in this case as discussed in the direct testimony of Ameren Missouri witness Steven M. Wills.

IV. CLASS RATES

Q. Please describe the Company's specific rate design proposal in this case.

A. The Company's rate design proposal in this case is as follows:

(1) Energy Efficiency Charge(s). For the affected classes, the energy efficiency charges were set to achieve the "unbundled" annual energy efficiency related revenue requirement as developed in Mr. Warwick's class cost of service study, and the charges were seasonally differentiated based on the existing proportionality of the class' summer and winter non-customer charge revenues.

(2) Residential Rate Design. The Customer Charge was the initial rate component developed. Mr. Warwick's class cost of service study produced a customer charge of approximately $20 per month. Although the existing customer charge of $8.00 per month is only 75¢ greater than its level of $7.25 per month in March 2000, the Company has limited this charge to $12.00 in its proposed Residential Rate. The remaining energy charges of the Residential Rate were increased to achieve the annual revenue target or across-the-board increase less the unbundled energy efficiency revenue requirement for this class.

(3) Small General Service Rate Design. The Customer Charge was the initial rate component developed. Mr. Warwick's class cost of service study

produced a weighted customer charge of approximately $22 per month for customers in this class. The current level is $9.74 per month for single phase service and $19.49 for three phase service. The Company has limited this charge to $14.61 for single phase service and $29.24 for three phase service in its proposed Small General Service Rate. The remaining energy charges of the Small General Service Rate were increased to achieve the annual revenue target or across-the-board increase less the unbundled energy efficiency revenue requirement for this class.

(4) Retention of Certain Prior Uniform Features of the Company's non–Residential, Commercial and Industrial Customer classes. The Company is proposing to retain the following rate design features that are currently in effect. Remaining rate designs for these Service Classifications will be discussed later.

(a) The customer charges on the SPS, LPS, and LTS rate schedules are proposed to remain the same.

(b) The rates ($ per kW) for Rider B voltage credits are proposed to remain the same under all applicable rate schedules.

(c) The rate ($ per billed kVar) associated with the Reactive Charge is proposed to remain the same under all applicable rate schedules.

(d) The rate ($ per month) associated with the Time-of-Day meter charge is proposed to remain the same under all applicable rate schedules.

(5) Large General Service and Small Primary Service Rate Design. The demand and energy charges on the LGS and SPS rate schedules were increased uniformly to achieve the annual revenue requirement of these classes

less the unbundled energy efficiency revenue requirement after uniformity adjustments were made, as described in (4) above.

(6) Large Primary Service Rate Design. The demand and energy charges on the LPS rate schedule were increased uniformly to achieve the annual revenue requirement less the unbundled energy efficiency revenue requirement of this class after uniformity adjustments were made, as described in (4) above.

(7) Large Transmission Service Rate Design. The demand and energy charges on the LTS rate schedule were increased uniformly to achieve the annual revenue requirement of this class after uniformity adjustments were made, as described in (4) above.

(8) Lighting Service – The Company has three active lighting service classifications: 1) Street & Outdoor Area Lighting – Company-Owned 5(M); 2) Street and Outdoor Area Lighting – Customer-Owned 6(M); and 3) Municipal Street Lighting – Incandescent 7(M).

Mr. Warwick's class cost of service study combined the Lighting Service classifications and, as noted above, the study produced a cost-based increase of 22.8%. However, as mentioned above, the Company is proposing an across-the-board increase (i.e., 14.6%) for its major customer classes in this case.

Q. Are there other changes to the Lighting tariffs being proposed in this case?

A. Yes. At page 63 of the Commission's order in the Company's most recently adjudicated electric rate case (Case No. ER-2011-0028) it states, "Based on its findings of fact and conclusions of law, the Commission decides that Ameren Missouri should eliminate the pole and span charge gradually. To avoid the rate shock that would result from the complete elimination of this charge, the Commission directs Ameren Missouri to initially reduce the monthly pole and span charge by half. The reduced revenue resulting from this reduction in the pole and span charge shall be collected from the entire 5M classification within the lighting class. The Commission will consider the total elimination of the pole and span charge in Ameren Missouri's next rate case." Consistent with this language, the Company is proposing to discontinue these charges in this case with the resulting revenue reduction to be collected from the entire 5M classification within the lighting class. This approach results in the remaining 5(M) rates being increased by approximately 20%, rather than the across-the-board increase of 14.6%.

Q. Proposed monthly customer charges for both the Residential and Small General Service Classifications reflect percentage increases larger than the across-the-board percentage increase level proposed for these classes. Please explain.

A. First, it should be noted that the combination of proposed customer and energy charges for each of these respective classes produces the overall percentage increase being requested for each of the classes in this case (i.e. 14.6%). Second, as discussed in the MEEIA testimony of Company witness William R. Davis, Ameren

Missouri has embarked on an energy efficiency and demand response effort to give customers more control over their energy usage and to lower their bills via reduced consumption. Therefore, the Company is proposing larger increases in customer charges and corresponding reductions in the percentage of revenue derived from volumetric or consumption charges for these classes. This proposal reflects cost causation principles (i.e., moves customer charges closer to class cost of service study results), helps to mitigate the negative financial impact on the Company associated with decreased volumetric or energy use, and, at the same time, does not discourage energy efficiency. Shifting more of the classes' revenue requirement to monthly customer charges helps to remove some of the financial disincentive to embark on an energy efficiency campaign, and at the same time affords the Company a more reasonable opportunity to earn a fair rate of return regardless of weather conditions. Excluding the impacts of the Company's current Low Income Pilot Program Charges (i.e., "Keeping Current Program" as discussed in the direct testimony of Ameren Missouri witness Mark Mueller), approximately 91% and 93%, respectively, of the present test year revenues of these classes are collected via current energy or volumetric charges with the remaining 9% and 7%, respectively, being collected via customer charges. The proposed customer charges would increase the customer charge contribution to total revenues for the Residential and Small General Service classes to 10% and 7%, respectively.

Q. Does this conclude your direct testimony?

A. Yes, it does

BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI

In the Matter of Union Electric Company d/b/a Ameren Missouri's Tariffs to Increase Its Revenues for Electric Service.	)))	Case No. ER-2012-0166

AFFIDAVIT OF WILBON L. COOPER

STATE OF MISSOURI)
) **ss**
CITY OF ST. LOUIS)

Wilbon L. Cooper, being first duly sworn on his oath, states:

1. My name is Wilbon L. Cooper. I work in the City of St. Louis, Missouri, and I am employed by Union Electric Company d/b/a Ameren Missouri as Manager of Rates and Tariffs.

2. Attached hereto and made a part hereof for all purposes is my Direct Testimony on behalf of Union Electric Company d/b/a Ameren Missouri consisting of 25 pages and Schedules WLC-E 1 through WLC-E 7, all of which have been prepared in written form for introduction into evidence in the above-referenced docket.

3. I hereby swear and affirm that my answers contained in the attached testimony to the questions therein propounded are true and correct.

Wilbon L. Cooper

Subscribed and sworn to before me this 2nd day of February, 2012.

Mary Hoyt
Notary Public

My commission expires: 4-11-2014

Mary Hoyt - Notary Public
Notary Seal, State of
Missouri - Jefferson County
Commission #10397820
My Commission Expires 4/11/2014

SERVICE CLASSIFICATION NO. 1(M)
RESIDENTIAL SERVICE RATE

* Rate Based on Monthly Meter Readings

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Customer Charge - per month	$12.00
Low-Income Pilot Program Charge - per month	$0.03
Energy Charge - per kWh	11.28¢
Energy Efficiency Program Charge - per kWh	0.59¢

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Customer Charge - per month	$12.00
Low-Income Pilot Program Charge - per month	$0.03
Energy Charge - per kWh	
First 750 kWh	8.03¢
Over 750 kWh	5.32¢
Energy Efficiency Program Charge - per kWh	0.35¢

Optional Time-of-Day Rate

Customer Charge - per month	$25.00
Low-Income Pilot Program Charge - per month	$ 0.03
Energy Charge - per kWh (1)	
Summer (June-September billing periods)	
All On Peak kWh	16.38¢
All Off Peak kWh	6.71¢
Energy Efficiency Program Charge - per kWh	0.59¢
Winter (October-May billing periods)	
All On Peak kWh	9.67¢
All Off Peak kWh	4.78¢
Energy Efficiency Program Charge - per kWh	0.35¢

(1) On-peak and Off-peak hours applicable herein shall be as specified in Rider I, paragraph A.

Fuel and Purchased Power Adjustment (Rider FAC). Applicable to all metered kilowatt-hours (kWh) of energy.

Payments. Bills are due and payable within ten (10) days from date of bill and become delinquent after twenty-one (21) days from date of bill.

Term of Use. Initial period one (1) year, terminable thereafter on three (3) days' notice.

Tax Adjustment. Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

* Indicates Change.

SERVICE CLASSIFICATION NO. 2(M)
SMALL GENERAL SERVICE RATE

* Rate Based on Monthly Meter Readings

Summer Rate (Applicable during 4 monthly billing periods of June through September)	
Customer Charge - per month	
Single Phase Service	$14.61
Three Phase Service	$29.24
Low-Income Pilot Program Charge - per month	$0.05
Energy Charge - per kWh	10.62¢
Energy Efficiency Program Charge - per kWh (3)	0.22¢
Winter Rate (Applicable during 8 monthly billing periods of October through May)	
Customer Charge - per month	
Single Phase Service	$14.61
Three Phase Service	$29.24
Low-Income Pilot Program Charge - per month	$0.05
Energy Charge - per kWh	
Base Use	7.91¢
Seasonal Use(1)	4.58¢
Energy Efficiency Program Charge - per kWh (3)	0.15¢
Optional Time-of-Day Rate	
Customer Charge - per month	
Single Phase Service	$29.30
Three Phase Service	$58.58
Low-Income Pilot Program Charge - per month	$0.05
Energy Charge - per kWh (2)	
Summer (June-September billing periods)	
All On Peak kWh	15.76¢
All Off Peak kWh	6.42¢
Energy Efficiency Program Charge - per kWh (3)	0.22¢
Winter (October-May billing periods)	
All On Peak kWh	10.37¢
All Off Peak kWh	4.76¢
Energy Efficiency Program Charge - per kWh (3)	0.15¢

(1) The winter seasonal energy use shall be all kWh in excess of 1,000 kWh per month and in excess of the lesser of a) the kWh use during the preceding May billing period, or b) October billing period, or c) the maximum monthly kWh use during any preceding summer month.

(2) On-peak and Off-peak hours applicable herein shall be as specified in Rider I, paragraph A.

(3) Not applicable to customers that have satisfied the opt-out provisions of Section 393.1075, RSMo.

Fuel and Purchased Power Adjustment (Rider FAC). Applicable to all metered kilowatt-hours (kWh) of energy.

*Indicates Change.

SERVICE CLASSIFICATION NO. 3(M)
LARGE GENERAL SERVICE RATE

* Rate Based on Monthly Meter Readings

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Customer Charge - per month	$92.34
Low-Income Pilot Program Charge - per month	$ 0.50
Energy Charge - per kWh	
First 150 kWh per kW of Billing Demand	10.33¢
Next 200 kWh per kW of Billing Demand	7.78¢
All Over 350 kWh per kW of Billing Demand	5.23¢
Demand Charge - per kW of Total Billing Demand	$ 4.83
Energy Efficiency Program Charge - per kWh (1)	0.36¢

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Customer Charge - per month	$92.34
Low-Income Pilot Program Charge - per month	$ 0.50
Base Energy Charge - per kWh	
First 150 kWh per kW of Base Demand	6.52¢
Next 200 kWh per kW of Base Demand	4.83¢
All Over 350 kWh per kW of Base Demand	3.79¢
Seasonal Energy Charge - Seasonal kWh	3.79¢
Demand Charge - per kW of Total Billing Demand	$ 1.79
Energy Efficiency Program Charge - per kWh (1)	0.21¢

(1) Not applicable to customers that have satisfied the opt-out provisions of Section 393.1075, RSMo.

Optional Time-of-Day Adjustments

Additional Customer Charge - per Month $20.30 per month

Energy Adjustment - per kWh	On-Peak Hours(2)	Off-Peak Hours(2)
Summer kWh(June-September billing periods)	+1.22¢	-0.69¢
Winter kWh(October-May billing periods)	+0.37¢	-0.21¢

(2) On-peak and off-peak hours applicable herein shall be as specified in Rider I, paragraph A.

Fuel and Purchased Power Adjustment (Rider FAC). Applicable to all metered kilowatt-hours (kWh) of energy.

*Indicates Change.

SERVICE CLASSIFICATION NO. 4(M)
SMALL PRIMARY SERVICE RATE

* Rate Based on Monthly Meter Readings

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Customer Charge - per month	$311.86
Low-Income Pilot Program Charge - per month	$0.50
Energy Charge - per kWh	
First 150 kWh per kW of Billing Demand	9.90¢
Next 200 kWh per kW of Billing Demand	7.46¢
All Over 350 kWh per kW of Billing Demand	5.01¢
Demand Charge - per kW of Total Billing Demand	$3.96
Reactive Charge - per kVar	37.00¢
Energy Efficiency Program Charge - per kWh (1)	0.40¢

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Customer Charge - per month	$311.86
Low-Income Pilot Program Charge - per month	$0.50
Base Energy Charge - per kWh	
First 150 kWh per kW of Base Demand	6.24¢
Next 200 kWh per kW of Base Demand	4.64¢
All Over 350 kWh per kW of Base Demand	3.63¢
Seasonal Energy Charge - Seasonal kWh	3.63¢
Demand Charge - per kW of Total Billing Demand	$1.45
Reactive Charge - per kVar	37.00¢
Energy Efficiency Program Charge - per kWh (1)	0.24¢

(1) Not applicable to customers that have satisfied the opt-out provisions of Section 393.1075, RSMo.

Optional Time-of-Day Adjustments

Additional Customer Charge - per Month $20.30 per month

Energy Adjustment - per kWh	On-Peak Hours(2)	Off-Peak Hours(2)
Summer kWh(June-September billing periods)	+0.88¢	-0.50¢
Winter kWh(October-May billing periods)	+0.33¢	-0.18¢

(2) On-peak and Off-peak hours applicable herein shall be as specified within this service classification.

Fuel and Purchased Power Adjustment (Rider FAC). Applicable to all metered kilowatt-hours (kWh) of energy.

*Indicates Change.

SERVICE CLASSIFICATION NO. 5(M)
STREET AND OUTDOOR AREA LIGHTING - COMPANY-OWNED

*Rate per Unit per Month
Lamp and Fixture

A. Standard horizontal burning, enclosed luminaire on existing wood pole:

High Pressure Sodium		Mercury Vapor (1)	
Lumens	Rate	Lumens	Rate
9,500	$12.19	6,800	$12.19
25,500	$17.62	20,000	$17.62
50,000	$31.41	54,000	$31.41
		108,000	$62.84

B. Standard side mounted, hood with open bottom glassware on existing wood pole:

High Pressure Sodium		Mercury Vapor (1)	
Lumens	Rate	Lumens	Rate
5,800	$ 9.87	3,300	$ 9.87
9,500	$10.78	6,800	$10.78

C. Standard post-top luminaire including standard 17-foot post:

High Pressure Sodium		Mercury Vapor (1)	
Lumens	Rate	Lumens	Rate
9,500	$22.59	3,300	$21.35
		6,800	$22.59

D. Pole-mounted, direction flood luminaire; limited to installations accessible to Company basket truck:

High Pressure Sodium		Metal Halide		Mercury Vapor (1)	
Lumens	Rate	Lumens	Rate	Lumens	Rate
25,500	$22.36	34,000	$22.36	20,000	$22.36
50,000	$35.37	100,000	$70.70	54,000	$35.37

(1) Mercury Vapor lamps and fixtures are limited to customers served under contracts initiated prior to September 27, 1988. Company will continue to maintain these lamps and fixtures so long as parts are economically available.

*Indicates Change.

SERVICE CLASSIFICATION NO. 5(M)
STREET AND OUTDOOR AREA LIGHTING - COMPANY-OWNED (Cont'd.)

* E. All poles and cable, where required to provide lighting service:

The installation of all standard poles and cables shall be paid for in advance by customer, with all subsequent replacements of said facilities provided by Company.

F. Incandescent lamps provided under contracts initiated prior to September 30, 1963, which facilities will not be maintained by Company after June 30, 1981:

Lamp and Fixture	*Per Unit Monthly Rate
1,000 Lumens	$11.69
2,500 "	15.77
4,000 "	18.19
6,000 "	20.20
10,000 "	27.43

*Indicates Change.

SERVICE CLASSIFICATION NO. 5(M)
STREET AND OUTDOOR AREA LIGHTING - COMPANY-OWNED (Cont'd.)

G. Former Subsidiary Company lighting units provided under contracts initiated prior to April 9, 1986, which facilities will only be maintained by Company so long as parts are available in Company's present stock:

Lamp and Fixture	*Per Unit Monthly Rate
11,000 Lumens, Mercury Vapor, Post-Top	$22.59
11,000 Lumens, Mercury Vapor, Open Bottom	10.78
11,000 Lumens, Mercury Vapor, Horizontal Enclosed	12.19
42,000 Lumens, Mercury Vapor, Horizontal Enclosed	31.41
16,000 Lumens, H.P. Sodium, Horizontal Enclosed	12.19
34,200 Lumens, H.P. Sodium, Directional(2)	22.36
140,000 Lumens, H.P. Sodium, Directional	70.70
20,000 Lumens, Metal Halide, Directional	22.36

(2) This lamp represents a mercury vapor fixture with H.P. Sodium lamp.

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

Discount for Franchised Municipal Customers. A 10% discount will be applied to bills rendered for lighting facilities served under the above rates and currently contracted for by municipalities with whom the Company has an ordinance granted electric franchise as of September 27, 1988. The above discount shall only apply for the duration of said franchise. Thereafter, the above discount shall apply only when the following two conditions are met: 1) any initial or subsequent ordinance granted electric franchise must be for a minimum term of twenty (20) years and 2) Company must have a contract for all lighting facilities for municipal lighting service provided by Company in effect.

Tax Adjustment. Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

*Indicates Change.

SERVICE CLASSIFICATION NO. 6(M)
STREET AND OUTDOOR AREA LIGHTING - CUSTOMER-OWNED

*Monthly Rate For Metered Service

Customer Charge Per Meter	$6.60	per month
Energy Charge	4.46¢	per kWh

*Rate Per Unit Per Month For Unmetered Service

Customer Charge per account	$6.60	per month

H.P. Sodium	Energy & Maintenance(1)	Energy Only(2)
9,500 Lumens, Standard	$ 3.55	$ 1.72
16,000 Lumens, Standard	N/A	2.92
25,500 Lumens, Standard	6.17	4.40
50,000 Lumens, Standard	8.91	6.91
Metal Halide		
5,500 Lumens, Standard	$ 5.13	N/A
12,900 Lumens, Standard	6.14	N/A
Mercury Vapor	(3)	
3,300 Lumens, Standard	$ 3.55	$ 1.82
6,800 Lumens, Standard	4.62	2.96
11,000 Lumens, Standard	6.24	4.22
20,000 Lumens, Standard	8.28	6.51
42,000 Lumens, Standard	N/A	10.84
54,000 Lumens, Standard	17.69	15.48

(1) Company will furnish electric energy, furnish and replace lamps, and adjust and replace control mechanisms, as required.

(2) Limited to lamps served under contracts initiated prior to September 27, 1988.

(3) Maintenance of lamps and fixtures limited to customers served under contracts prior to November 15, 1991.

N/A Not Available.

Term of Contract. One (1) year, terminable thereafter on three (3) days' notice.

Discount For Franchised Municipal Customers. A 10% discount will be applied to bills rendered for lighting facilities served under the above rates and currently contracted for by municipalities with whom the Company has an ordinance granted electric franchise as of September 27, 1988. The above discount shall only apply for the duration of said franchise. Thereafter, the above discount shall apply only when the following two conditions are met: 1) any initial or subsequent ordinance granted electric franchise must be for a minimum term of twenty (20) years and 2) Company must have a contract for all lighting facilities for municipal lighting service provided by Company in effect.

*Indicates Change.

SERVICE CLASSIFICATION NO. 7(M)
MUNICIPAL STREET LIGHTING - INCANDESCENT
RATE OF LIMITED APPLICATION

*Rate per Lamp per Month

	Incandescent				
	1,000 Lumen	2,500 Lumen	4,000 Lumen	6,000 Lumen	10,000 Lumen
Wood Pole Rates	$4.48	$6.82	$9.29	$12.35	$16.91

Ornamental Pole. Add $7.35 per month per pole to above Wood Pole Rates.

*Customer-Owned Street Lighting Facilities. Where customer furnishes, installs and owns all street lighting facilities, service will be supplied as follows:

For Metered Service:

Customer Charge per Meter — $15.36 per month

1) Secondary Service — 4.48¢ per kWh

2) Primary Service - Rider C shall be applied.

Customer shall install suitable switching and protective equipment, meter loop, space and mounting facilities for Company metering devices.

Tax Adjustment. Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

Payments. Bills are due and payable within ten (10) days from date of bill.

Term of Contract. Ten (10) years. Customer, if not legally authorized to contract for all of an initial or succeeding ten-year contract term at one time, may sign an agreement for the maximum period for which it is legally authorized to contract, and said agreement will continue in force thereafter for successive one-year periods unless terminated by either party by written notice given not less than sixty (60) days prior to any annual termination date.

*Indicates Change.

SERVICE CLASSIFICATION NO. 11(M)
LARGE PRIMARY SERVICE RATE

* Rate Based on Monthly Meter Readings

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Customer Charge - per month	$311.86
Low-Income Pilot Program Charge - per month	$50.00
Energy Charge - per kWh	3.27¢
Demand Charge - per kW of Billing Demand	$19.54
Reactive Charge - per kVar	37.00¢
Energy Efficiency Program Charge - per kWh (1)	0.38¢

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Customer Charge - per month	$311.86
Low-Income Pilot Program Charge - per month	$50.00
Energy Charge - per kWh	2.89¢
Demand Charge - per kW of Billing Demand	$8.88
Reactive Charge - per kVar	37.00¢
Energy Efficiency Program Charge - per kWh (1)	0.24¢

(1) Not applicable to customers that have satisfied the opt-out provisions of Section 393.1075, RSMo.

Optional Time-of-Day Adjustments

Additional Customer Charge - per month $20.30 per month

Energy Adjustment - per kWh	On-Peak Hours(2)	Off-Peak Hours(2)
Summer kWh(June-September billing periods)	+0.63¢	-0.35¢
Winter kWh(October-May billing periods)	+0.29¢	-0.15¢

(2) On-peak and off-peak hours applicable herein shall be as specified within this service classification.

Fuel and Purchased Power Adjustment (Rider FAC). Applicable to all metered kilowatt-hours (kWh) of energy.

Payments. Bills are due and payable within ten (10) days from date of bill and become delinquent after twenty-one (21) days from date of bill.

Term of Use. One (1) year, terminable thereafter on three (3) days' notice.

Tax Adjustment. Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

*Indicates Change.

MISCELLANEOUS CHARGES

A. Reconnection Charges per Connection Point

Sheet No. 106, Par. B-3 (Annually Recurring Service)	$30.00
Sheet No. 184, Par. I (Reconnection of Service)	$30.00

*B. Supplementary Service Minimum Monthly Charges

Sheet No. 103, Par. C-3

Charges applicable during 4 monthly billing periods of June through September	Primary Service Rate
Customer Charge per month, plus	$311.86
Low-Income Pilot Program Charge - per month	$50.00
All kW @	$19.54

Charges applicable during 8 monthly billing periods of October through May	Primary Service Rate
Customer Charge per month, plus	$311.86
Low-Income Pilot Program Charge - per month	$50.00
All kW @	$8.88

C. Service Call Charge. Customer's reporting service problems may be charged a $50.00 fee for a service call, if it is determined the problem is within the customer's electrical system.

Tax Adjustment. Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

*Indicates Change.

SERVICE CLASSIFICATION NO. 12(M)
LARGE TRANSMISSION SERVICE RATE

* Rate Based on Monthly Meter Readings

Summer Rate (Applicable during four (4) monthly billing periods of June through September)

Customer Charge - per month	$311.86
Low-Income Pilot Program Charge - per month	$1,500.00
Demand Charge - per kW of Billing Demand	$15.37
Energy Charge - per kWh	2.918¢
Reactive Charge - per kVar	37.000¢

Winter Rate (Applicable during eight (8) monthly billing periods of October through May)

Customer Charge - per month	$311.86
Low-Income Pilot Program Charge - per month	$1,500.00
Demand Charge - per kW of Billing Demand	$5.87
Energy Charge - per kWh	2.569¢
Reactive Charge - per kVar	37.000¢

Optional Time-of-Day Adjustments

Additional Customer Charge - per month	$20.30	
Energy Adjustment - per kWh	On-Peak Hours(1)	Off-Peak Hours(1)
Summer kWh (June-September Billing Periods)	+0.68¢	-0.38¢
Winter kWh (October-May Billing Periods)	+0.31¢	-0.16¢

(1) On-peak and off-peak hours applicable herein shall be as specified within this service classification.

Fuel and Purchased Power Adjustment (Rider FAC). Applicable to all metered kilowatt-hours (kWh) of energy.

* Indicates Change.

SERVICE CLASSIFICATION NO. 12(M)
LARGE TRANSMISSION SERVICE RATE (Cont'd.)

* Energy Line Loss Rate. Compensation for Customer's energy line losses from use of the transmission system(s) outside Company's control area shall be in the form of energy solely supplied by Company to the transmission owner(s) and compensated by payment at a monthly rate of $0.0394 per kWh after appropriate Rider C adjustment of meter readings.

1. Transmission Service Requirements. Company's obligation to provide service under this rate is conditioned upon receipt of approval from the appropriate Regional Transmission Organization ("RTO") to incorporate Customer's load within Company's Network Integration Transmission Service agreement without the obligation or requirement that Company construct, upgrade, or improve any existing or new transmission plant or facilities.

* Indicates Change.

RIDER FAC
FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE

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

APPLICABILITY

This rider is applicable to kilowatt-hours (kWh) of energy supplied to customers served by the Company under Service Classification Nos. 1(M), 2(M), 3(M), 4(M), 5(M), 6(M), 7(M), 11(M), and 12(M).

Costs passed through this Fuel and Purchased Power Adjustment Clause (FAC) reflect differences between actual fuel and purchased power costs, including transportation, net of Off-System Sales Revenues (OSSR) (i.e., Actual Net Fuel Costs) and Net Base Fuel Costs (factor NBFC, as defined below), calculated and recovered as provided for herein.

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

Accumulation Period (AP)	Filing Date	Recovery Period (RP)
February through May	By August 1	October through May
June through September	By December 1	February through September
October through January	By April 1	June through January

Accumulation Period (AP) means the historical calendar months during which fuel and purchased power costs, including transportation, net of OSSR for all kWh of energy supplied to Missouri retail customers are determined.

Recovery Period (RP) means the billing months as set forth in the above table during which the difference between the Actual Net Fuel Costs during an Accumulation Period and NBFC are applied to and recovered through retail customer billings on a per kWh basis, as adjusted for service voltage level.

The Company will make a Fuel and Purchased Power Adjustment (FPA) filing by each Filing Date. The new FPA rates for which the filing is made will be applicable starting with the Recovery Period that begins following the Filing Date. All FPA filings shall be accompanied by detailed workpapers supporting the filing in an electronic format with all formulas intact.

FPA DETERMINATION

Ninety five percent (95%) of the difference between Actual Net Fuel Costs and NBFC for all kWh of energy supplied to Missouri retail customers during the respective Accumulation Periods shall be reflected as an FPA_C credit or debit, stated as a separate line item on the customer's bill and will be calculated according to the following formulas.

For the FPA filing made by each Filing Date, the FPA_C rate, applicable starting with the Recovery Period following the applicable Filing Date, to recover fuel and purchased power costs, including transportation, net of OSSR, to the extent they vary from Net Base Fuel Costs (NBFC), as defined below, during the recently-completed Accumulation Period is calculated as:

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)

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

$$** \ FPA_{(RP)} = [[(CF+CPP-OSSR) - (NBFC \times S_{AP})] \times 95\% + I + R - N]/S_{RP}$$

The FPA rate, which will be multiplied by the voltage level adjustment factors set forth below, applicable starting with the following Recovery Period is calculated as:

$$FPA_C = FPA_{(RP)} + FPA_{(RP-1)} + FPA_{(RP-2)}$$

Effective with the Company's April 1, 2012 filing, FPA_C shall be revised to:

$$FPA_C = FPA_{(RP)} + FPA_{(RP-1)}$$

where:

FPA_C = Fuel and Purchased Power Adjustment rate applicable starting with the Recovery Period following the applicable Filing Date.

FPA_{RP} = FPA Recovery Period rate component calculated to recover under/over collection during the Accumulation Period that ended prior to the applicable Filing Date.

$FPA_{(RP-1)}$ = FPA Recovery Period rate component from prior FPA_{RP} calculation, if any.

$FPA_{(RP-2)}$ = FPA Recovery Period rate component from FPA_{RP} calculation prior to $FPA_{(RP-1)}$, if any.

CF = Fuel costs incurred to support sales to all retail customers and Off-System Sales allocated to Missouri retail electric operations, including transportation, associated with the Company's generating plants. These costs consist of the following:

a) For fossil fuel or hydroelectric plants:

(i) the following costs reflected in Federal Energy Regulatory Commission (FERC) Account Number 501: coal commodity, applicable taxes, gas, alternative fuels, fuel additives, Btu adjustments assessed by coal suppliers, quality adjustments related to the sulfur content of coal assessed by coal suppliers, railroad transportation, switching and demurrage charges, railcar repair and inspection costs, railcar depreciation, railcar lease costs, similar costs associated with other applicable modes of transportation, fuel hedging costs (for purposes of factor CF, hedging is defined as realized losses and costs minus realized gains associated with mitigating volatility in the Company's cost of fuel and purchased power, including but not limited to, the Company's use of futures, options and over-the-counter derivatives

** Indicates Change.

RIDER FAC
FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)
Applicable To Service Provided On The Effective Date Of This Tariff And Thereafter

including, without limitation, futures contracts, puts, calls, caps, floors, collars, and swaps), hedging costs associated with SO2 and fuel oil adjustments included in commodity and transportation costs, broker commissions and fees associated with price hedges, oil costs, ash disposal revenues and expenses, and revenues and expenses resulting from fuel and transportation portfolio optimization activities; and

* (ii) the following costs reflected in FERC Account Number 502: consumable costs related to Air Quality Control System (AQCS) operation, such as urea, limestone and powder activated carbon; and

(iii) the following costs reflected in FERC Account Number 547: natural gas generation costs related to commodity, oil, transportation, storage, capacity reservation charges, fuel losses, hedging costs, and revenues and expenses resulting from fuel and transportation portfolio optimization activities; and

(iv) costs and revenues for SO_2 and NO_x emission allowances.

b) Costs in FERC Account Number 518 (Nuclear Fuel Expense).

CPP = Costs of purchased power reflected in FERC Account Numbers 555, 565, and 575, excluding MISO administrative fees arising under MISO Schedules 10, 16, 17, and 24, and excluding capacity charges for contracts with terms in excess of one (1) year, incurred to support sales to all Missouri retail customers and Off-System Sales allocated to Missouri retail electric operations. Also included in factor "CPP" are insurance premiums in FERC Account Number 924 for replacement power insurance to the extent those premiums are not reflected in base rates. Changes in replacement power insurance premiums from the level reflected in base rates shall increase or decrease purchased power costs. Additionally, costs of purchased power will be reduced by expected replacement power insurance recoveries qualifying as assets under Generally Accepted Accounting Principles.

OSSR = All revenues in FERC Account 447.

* Indicates Addition.

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)

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

** Adjustment For Reduction of Service Classification 12(M) Billing Determinants:

Should the level of monthly billing determinants under Service Classification 12(M) fall below the level of normalized 12(M) monthly billing determinants as established in Case No. ER-2012-0166 an adjustment to OSSR shall be made in accordance with the following levels:

a) A reduction of less than 40,000,000 kWh in a given month - No adjustment will be made to OSSR.

b) A reduction of 40,000,000 kWh or greater in a given month - All Off-System Sales revenues derived from all kWh of energy sold off-system due to the entire reduction shall be excluded from OSSR.

**N = The positive amount by which, over the course of the Accumulation Period, (a) revenues derived from the off-system sale of power made possible as a result of reductions in the level of 12(M) sales (as addressed in the definition of OSSR above) exceeds (b) the reduction of 12(M) revenues compared to normalized 12(M) revenues as determined in Case No. ER-2012-0166.

**I = Interest applicable to (i) the difference between Actual Net Fuel Costs and NBFC for all kWh of energy supplied to Missouri retail customers during an Accumulation Period until those costs have been recovered; (ii) refunds due to prudence reviews (a portion of factor R, below); and (iii) all under- or over-recovery balances created through operation of this FAC, as determined in the true-up filings provided for herein (a portion of factor R, below). Interest shall be calculated monthly at a rate equal to the weighted average interest rate paid on the Company's short-term debt, applied to the month-end balance of items (i) through (iii) in the preceding sentence.

** Indicates Change.

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)

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

R = Under/over recovery (if any) from currently active and prior Recovery Periods as determined for the FAC true-up adjustments, and modifications due to adjustments ordered by the Commission, as a result of required prudence reviews or other disallowances and reconciliations, with interest as defined in item I.

S_{AP} = kWh during the Accumulation Period that ended prior to the applicable Filing Date, as measured by taking the retail component of the Company's load settled at its MISO CP node (AMMO.UE or successor node), plus the kWh reductions up to the kWh of energy sold off-system associated with the 12(M) OSSR adjustment above.

S_{RP} = Applicable Recovery Period estimated kWh representing the expected retail component of the Company's load settled at its MISO CP node (AMMO.UE or successor node), subject to the FPA_{RP} to be billed.

**NBFC = Net Base Fuel Costs are the net costs determined by the Commission's order as the normalized test year value for the sum of allowable fuel costs (consistent with the term CF), plus cost of purchased power (consistent with the term CPP), less revenues from off-system sales (consistent with the term OSSR), expressed in cents per kWh, based on the retail kWh from the net output calculation in the fuel run used in part to determine Net Base Fuel Costs, as included in the Company's retail rates. The NBFC rate applicable to June through September calendar months ("Summer NBFC Rate") is 1.529 cents per kWh. The NBFC rate applicable to October through May calendar months ("Winter NBFC Rate") is 1.553 cents per kWh.

** To determine the FPA rates applicable to the individual Service Classifications, the FPA_C rate determined in accordance with the foregoing will be multiplied by the following voltage level adjustment factors:

Secondary Voltage Service	1.0575
Primary Voltage Service	1.0252
Large Transmission Voltage Service	0.9917

The FPA rates applicable to the individual Service Classifications shall be rounded to the nearest 0.001 cents, to be charged on a cents/kWh basis for each applicable kWh billed.

** Indicates Change.

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)

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

TRUE-UP OF FAC

After completion of each Recovery Period, the Company will make a true-up filing in conjunction with an adjustment to its FAC. The true-up filing shall be made on the same day as the filing made to adjust its FAC. Any true-up adjustments or refunds shall be reflected in item R above, and shall include interest calculated as provided for in item I above.

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

GENERAL RATE CASE/PRUDENCE REVIEWS

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

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

Prudence reviews of the costs subject to this Fuel and Purchased Power Adjustment Clause shall occur no less frequently than every eighteen months, and any such costs which are determined by the Missouri Public Service Commission to have been imprudently incurred or incurred in violation of the terms of this rider shall be returned to customers with interest at a rate equal to the weighted average interest rate paid on the Company's short-term debt.

RIDER FAC
FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE

**(Applicable To Service Provided Between June 21, 2010 And July 30, 2011)

APPLICABILITY

This rider is applicable to kilowatt-hours (kWh) of energy supplied to customers served by the Company under Service Classification Nos. 1(M), 2(M), 3(M), 4(M), 5(M), 6(M), 7(M), 8(M), 11(M), and 12(M).

Costs passed through this Fuel and Purchased Power Adjustment Clause (FAC) reflect differences between actual fuel and purchased power costs, including transportation, net of Off-System Sales Revenues (OSSR) (i.e., Actual Net Fuel Costs) and Net Base Fuel Costs (factor NBFC, as defined below), calculated and recovered as provided for herein.

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

Accumulation Period (AP)	Filing Date	Recovery Period (RP)
February through May	By August 1	October through September
June through September	By December 1	February through January
October through January	By April 1	June through May

Accumulation Period (AP) means the historical calendar months during which fuel and purchased power costs, including transportation, net of OSSR for all kWh of energy supplied to Missouri retail customers are determined.

Recovery Period (RP) means the billing months as set forth in the above table during which the difference between the Actual Net Fuel Costs during an Accumulation Period and NBFC are applied to and recovered through retail customer billings on a per kWh basis, as adjusted for service voltage level.

The Company will make a Fuel and Purchased Power Adjustment (FPA) filing by each Filing Date. The new FPA rates for which the filing is made will be applicable starting with the Recovery Period that begins following the Filing Date. All FPA filings shall be accompanied by detailed workpapers supporting the filing in an electronic format with all formulas intact.

FPA DETERMINATION

Ninety five percent (95%) of the difference between Actual Net Fuel Costs and NBFC for all kWh of energy supplied to Missouri retail customers during the respective Accumulation Periods shall be reflected as an FPA_C credit or debit, stated as a separate line item on the customer's bill and will be calculated according to the following formulas.

For the FPA filing made by each Filing Date, the FPA_C rate, applicable starting with the Recovery Period following the applicable Filing Date, to recover fuel and purchased power costs, including transportation, net of OSSR, to the extent they vary from Net Base Fuel Costs (NBFC), as defined below, during the recently-completed Accumulation Period is calculated as:

**Indicates Change.

RIDER FAC
FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D)
**(Applicable To Service Provided Between June 21, 2010 And July 30, 2011)

$$FPA_{(RP)} = [[(CF+CPP-OSSR-TS-S-W) - (NBFC \times S_{AP})] \times 95\% + I + R - N]/S_{RP}$$

The FPA rate, which will be multiplied by the voltage level adjustment factors set forth below, applicable starting with the following Recovery Period is calculated as:

$$FPA_C = FPA_{(RP)} + FPA_{(RP-1)} + FPA_{(RP-2)}$$

where:

FPA_C = Fuel and Purchased Power Adjustment rate applicable starting with the Recovery Period following the applicable Filing Date.

FPA_{RP} = FPA Recovery Period rate component calculated to recover under/over collection during the Accumulation Period that ended prior to the applicable Filing Date.

$FPA_{(RP-1)}$ = FPA Recovery Period rate component from prior FPA_{RP} calculation, if any.

$FPA_{(RP-2)}$ = FPA Recovery Period rate component from FPA_{RP} calculation prior to $FPA_{(RP-1)}$, if any.

CF = Fuel costs incurred to support sales to all retail customers and Off-System Sales allocated to Missouri retail electric operations, including transportation, associated with the Company's generating plants. These costs consist of the following:

a) For fossil fuel or hydroelectric plants:

(i) the following costs reflected in Federal Energy Regulatory Commission (FERC) Account Number 501: coal commodity, applicable taxes, gas, alternative fuels, fuel additives, Btu adjustments assessed by coal suppliers, quality adjustments related to the sulfur content of coal assessed by coal suppliers, costs and revenues for SO_2 and NO_x emission allowances, railroad transportation, switching and demurrage charges, railcar repair and inspection costs, railcar depreciation, railcar lease costs, similar costs associated with other applicable modes of transportation, fuel hedging costs (for purposes of factor CF, hedging is defined as realized losses and costs minus realized gains associated with mitigating volatility in the Company's cost of fuel and purchased power, including but not limited to, the Company's use of futures, options and over-the-counter derivatives including, without limitation, futures contracts, puts, calls, caps, floors, collars, and swaps), hedging costs associated with SO2 and fuel oil

** Indicates Change.

RIDER FAC
FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D)
**(Applicable To Service Provided Between June 21, 2010 And July 30, 2011)

adjustments included in commodity and transportation costs, broker commissions and fees associated with price hedges, oil costs, ash disposal revenues and expenses, and revenues and expenses resulting from fuel and transportation portfolio optimization activities; and

(ii) the following costs reflected in FERC Account Number 547: natural gas generation costs related to commodity, oil, transportation, storage, capacity reservation charges, fuel losses, hedging costs, and revenues and expenses resulting from fuel and transportation portfolio optimization activities;

b) Costs in FERC Account Number 518 (Nuclear Fuel Expense).

CPP = Costs of purchased power reflected in FERC Account Numbers 555, 565, and 575, excluding MISO administrative fees arising under MISO Schedules 10, 16, 17, and 24, and excluding capacity charges for contracts with terms in excess of one (1) year, incurred to support sales to all Missouri retail customers and Off-System Sales allocated to Missouri retail electric operations. Also included in factor "CPP" are insurance premiums in FERC Account Number 924 for replacement power insurance (other than relating to the Taum Sauk Plant) to the extent those premiums are not reflected in base rates. Changes in replacement power insurance premiums (other than those relating to the Taum Sauk Plant) from the level reflected in base rates shall increase or decrease purchased power costs. Additionally, costs of purchased power will be reduced by expected replacement power insurance recoveries (other than those relating to the Taum Sauk Plant) qualifying as assets under Generally Accepted Accounting Principles. Notwithstanding the foregoing, concurrently with the date the "TS" factor is eliminated as provided for in this tariff, the premiums and recoveries relating to replacement power insurance coverage for the Taum Sauk Plant shall be included in this CPP Factor.

OSSR = Revenues from Off-System Sales allocated to Missouri electric operations.

Off-System Sales shall include all sales transactions (including MISO revenues in FERC Account Number 447), excluding Missouri retail sales and long-term full and partial requirements sales to Missouri municipalities, that are associated with (1) AmerenUE Missouri jurisdictional generating units, (2) power purchases made to serve Missouri retail load, and (3) any related transmission.

** Indicates Change.

RIDER FAC
FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D)
**(Applicable To Service Provided Between June 21, 2010 And July 30, 2011)

Adjustment For Reduction of Service Classification 12(M) Billing Determinants:

Should the level of monthly billing determinants under Service Classification 12(M) fall below the level of normalized 12(M) monthly billing determinants as established in Case No. ER-2010-0036 an adjustment to OSSR shall be made in accordance with the following levels:

a) A reduction of less than 40,000,000 kWh in a given month - No adjustment will be made to OSSR.

b) A reduction of 40,000,000 kWh or greater in a given month - All Off-System revenues derived from all kWh of energy sold off-system due to the entire reduction shall be excluded from OSSR.

TS = The Accumulation Period value of Taum Sauk. This factor will be used to reduce actual fuel costs to reflect the value of Taum Sauk, and will be credited in FPA filings (of which there are three each year as shown in the table above), until the next rate case or, if sooner, until Taum Sauk is placed back in service. This value is $26.8 million annually , one third of which (i.e., $8.93 million) will be applied to each Accumulation Period.

S = The Accumulation Period value of Blackbox Settlement Amount of $3 million annually, which shall expire on September 1, 2010. One third of the annual value ($1 million) shall be applied to each Accumulation Period. For the Accumulation Period during which the factor expires, the factor shall be prorated according to the number of days during which it was effective during that Accumulation Period.

W = $300,000 per month for the months, July 1, 2010 through, June 30, 2011. This factor "W" expires on June 30, 2011.

N = The positive amount by which, over the course of the Accumulation Period, (a) revenues derived from the off-system sale of power made possible as a result of reductions in the level of 12(M) sales (as addressed in the definition of OSSR above) exceeds (b) the reduction of 12(M) revenues compared to normalized 12(M) revenues as determined in Case No. ER-2010-0036.

I = Interest applicable to (i) the difference between Actual Net Fuel Costs (adjusted for Taum Sauk, factor "S", and factor "W") and NBFC for all kWh of energy supplied to Missouri retail customers during an Accumulation Period until those costs have been recovered; (ii) refunds due to prudence reviews (a portion of factor R, below); and (iii) all under- or over-recovery

** Indicates Change.

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D)

**(Applicable To Service Provided Between June 21, 2010 And July 30, 2011)

balances created through operation of this FAC, as determined in the true-up filings provided for herein (a portion of factor R, below). Interest shall be calculated monthly at a rate equal to the weighted average interest rate paid on the Company's short-term debt, applied to the month-end balance of items (i) through (iii) in the preceding sentence.

R = Under/over recovery (if any) from currently active and prior Recovery Periods as determined for the FAC true-up adjustments, and modifications due to adjustments ordered by the Commission (other than the adjustment for Taum Sauk as already reflected in the TS factor), as a result of required prudence reviews or other disallowances and reconciliations, with interest as defined in item I.

S_{AP} = Supplied kWh during the Accumulation Period that ended prior to the applicable Filing Date, at the generation level, plus the kWh reductions up to the kWh of energy sold off-system associated with the 12(M) OSSR adjustment above.

S_{RP} = Applicable Recovery Period estimated kWh, at the generation level, subject to the FPA_{RP} to be billed.

NBFC = Net Base Fuel Costs are the net costs determined by the Commission's order as the normalized test year value (and reflecting an adjustment for Taum Sauk, consistent with the term TS) for the sum of allowable fuel costs (consistent with the term CF), plus cost of purchased power (consistent with the term CPP), less revenues from off-system sales (consistent with the term OSSR), less adjustments (consistent with the terms "S" and "W"), expressed in cents per kWh, at the generation level, as included in the Company's retail rates. The NBFC rate applicable to June through September calendar months ("Summer NBFC Rate") is 1.236 cents per kWh. The NBFC rate applicable to October through May calendar months ("Winter NBFC Rate") is 1.044 cents per kWh.

To determine the FPA rates applicable to the individual Service Classifications, the FPA_C rate determined in accordance with the foregoing will be multiplied by the following voltage level adjustment factors:

Secondary Voltage Service	1.0789
Primary Voltage Service	1.0459
Large Transmission Voltage Service	1.0124

The FPA rates applicable to the individual Service Classifications shall be rounded to the nearest 0.001 cents, to be charged on a cents/kWh basis for each applicable kWh billed.

** Indicates Change.

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D)

**(Applicable To Service Provided Between June 21, 2010 And July 30, 2011)

TRUE-UP OF FAC

After completion of each Recovery Period, the Company will make a true-up filing in conjunction with an adjustment to its FAC, where applicable. The true-up filings shall be made on the first Filing Date that occurs at least two (2) months after completion of each Recovery Period. Any true-up adjustments or refunds shall be reflected in item R above, and shall include interest calculated as provided for in item I above.

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

GENERAL RATE CASE/PRUDENCE REVIEWS

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

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

Prudence reviews of the costs subject to this Fuel and Purchased Power Adjustment Clause shall occur no less frequently than every eighteen months, and any such costs which are determined by the Missouri Public Service Commission to have been imprudently incurred shall be returned to customers with interest at a rate equal to the weighted average interest rate paid on the Company's short-term debt.

** Indicates Change.

RIDER FAC
FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE

**(Applicable To Service Provided Between July 31, 2011 And The Day Before The Effective Date Of This Tariff)

APPLICABILITY

This rider is applicable to kilowatt-hours (kWh) of energy supplied to customers served by the Company under Service Classification Nos. 1(M), 2(M), 3(M), 4(M), 5(M), 6(M), 7(M), 11(M), and 12(M).

Costs passed through this Fuel and Purchased Power Adjustment Clause (FAC) reflect differences between actual fuel and purchased power costs, including transportation, net of Off-System Sales Revenues (OSSR) (i.e., Actual Net Fuel Costs) and Net Base Fuel Costs (factor NBFC, as defined below), calculated and recovered as provided for herein.

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

Accumulation Period (AP)	Filing Date	Recovery Period (RP)
February through May	By August 1	October through May
June through September	By December 1	February through September
October through January	By April 1	June through January

Accumulation Period (AP) means the historical calendar months during which fuel and purchased power costs, including transportation, net of OSSR for all kWh of energy supplied to Missouri retail customers are determined.

Recovery Period (RP) means the billing months as set forth in the above table during which the difference between the Actual Net Fuel Costs during an Accumulation Period and NBFC are applied to and recovered through retail customer billings on a per kWh basis, as adjusted for service voltage level.

The Company will make a Fuel and Purchased Power Adjustment (FPA) filing by each Filing Date. The new FPA rates for which the filing is made will be applicable starting with the Recovery Period that begins following the Filing Date. All FPA filings shall be accompanied by detailed workpapers supporting the filing in an electronic format with all formulas intact.

FPA DETERMINATION

Ninety five percent (95%) of the difference between Actual Net Fuel Costs and NBFC for all kWh of energy supplied to Missouri retail customers during the respective Accumulation Periods shall be reflected as an FPA_C credit or debit, stated as a separate line item on the customer's bill and will be calculated according to the following formulas.

For the FPA filing made by each Filing Date, the FPA_C rate, applicable starting with the Recovery Period following the applicable Filing Date, to recover fuel and purchased power costs, including transportation, net of OSSR, to the extent they vary from Net Base Fuel Costs (NBFC), as defined below, during the recently-completed Accumulation Period is calculated as:

**Indicates Change.

RIDER FAC
FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)

**(Applicable To Service Provided Between July 31, 2011 And The Day Before The Effective Date Of This Tariff)

$$FPA_{(RP)} = [[(CF+CPP-OSSR-W) - (NBFC \times S_{AP})] \times 95\% + I + R - N]/S_{RP}$$

The FPA rate, which will be multiplied by the voltage level adjustment factors set forth below, applicable starting with the following Recovery Period is calculated as:

$$FPA_C = FPA_{(RP)} + FPA_{(RP-1)} + FPA_{(RP-2)}$$

Effective with the Company's April 1, 2012 filing, FPA_C shall be revised to:

$$FPA_C = FPA_{(RP)} + FPA_{(RP-1)}$$

where:

FPA_C = Fuel and Purchased Power Adjustment rate applicable starting with the Recovery Period following the applicable Filing Date.

FPA_{RP} = FPA Recovery Period rate component calculated to recover under/over collection during the Accumulation Period that ended prior to the applicable Filing Date.

$FPA_{(RP-1)}$ = FPA Recovery Period rate component from prior FPA_{RP} calculation, if any.

$FPA_{(RP-2)}$ = FPA Recovery Period rate component from FPA_{RP} calculation prior to $FPA_{(RP-1)}$, if any.

CF = Fuel costs incurred to support sales to all retail customers and Off-System Sales allocated to Missouri retail electric operations, including transportation, associated with the Company's generating plants. These costs consist of the following:

a) For fossil fuel or hydroelectric plants:

(i) the following costs reflected in Federal Energy Regulatory Commission (FERC) Account Number 501: coal commodity, applicable taxes, gas, alternative fuels, fuel additives, Btu adjustments assessed by coal suppliers, quality adjustments related to the sulfur content of coal assessed by coal suppliers, railroad transportation, switching and demurrage charges, railcar repair and inspection costs, railcar depreciation, railcar lease costs, similar costs associated with other applicable modes of transportation, fuel hedging costs (for purposes of factor CF, hedging is defined as realized losses and costs minus realized gains associated with mitigating volatility in the Company's cost of fuel and purchased power, including but not limited to, the Company's use of futures, options and over-the-counter derivatives

**Indicates Change.

RIDER FAC
FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)
**(Applicable To Service Provided Between July 31, 2011 And The Day Before The Effective Date Of This Tariff)

including, without limitation, futures contracts, puts, calls, caps, floors, collars, and swaps), hedging costs associated with SO2 and fuel oil adjustments included in commodity and transportation costs, broker commissions and fees associated with price hedges, oil costs, ash disposal revenues and expenses, and revenues and expenses resulting from fuel and transportation portfolio optimization activities; and

(ii) the following costs reflected in FERC Account Number 547: natural gas generation costs related to commodity, oil, transportation, storage, capacity reservation charges, fuel losses, hedging costs, and revenues and expenses resulting from fuel and transportation portfolio optimization activities; and

(iii) costs and revenues for SO_2 and NO_x emission allowances;

b) Costs in FERC Account Number 518 (Nuclear Fuel Expense).

CPP = Costs of purchased power reflected in FERC Account Numbers 555, 565, and 575, excluding MISO administrative fees arising under MISO Schedules 10, 16, 17, and 24, and excluding capacity charges for contracts with terms in excess of one (1) year, incurred to support sales to all Missouri retail customers and Off-System Sales allocated to Missouri retail electric operations. Also included in factor "CPP" are insurance premiums in FERC Account Number 924 for replacement power insurance to the extent those premiums are not reflected in base rates. Changes in replacement power insurance premiums from the level reflected in base rates shall increase or decrease purchased power costs. Additionally, costs of purchased power will be reduced by expected replacement power insurance recoveries qualifying as assets under Generally Accepted Accounting Principles.

OSSR = All revenues in FERC Account 447.

**Indicates Change.

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)

**(Applicable To Service Provided Between July 31, 2011 And The Day Before The Effective Date Of This Tariff)

Adjustment For Reduction of Service Classification 12(M) Billing Determinants:

Should the level of monthly billing determinants under Service Classification 12(M) fall below the level of normalized 12(M) monthly billing determinants as established in Case No. ER-2011-0028 an adjustment to OSSR shall be made in accordance with the following levels:

a) A reduction of less than 40,000,000 kWh in a given month - No adjustment will be made to OSSR.

b) A reduction of 40,000,000 kWh or greater in a given month - All Off-System Sales revenues derived from all kWh of energy sold off-system due to the entire reduction shall be excluded from OSSR.

W = $300,000 per month for the months, July 1, 2010 through, June 30, 2011. This factor "W" expires on June 30, 2011.

N = The positive amount by which, over the course of the Accumulation Period, (a) revenues derived from the off-system sale of power made possible as a result of reductions in the level of 12(M) sales (as addressed in the definition of OSSR above) exceeds (b) the reduction of 12(M) revenues compared to normalized 12(M) revenues as determined in Case No. ER-2011-0028.

I = Interest applicable to (i) the difference between Actual Net Fuel Costs (adjusted for factor "W") and NBFC for all kWh of energy supplied to Missouri retail customers during an Accumulation Period until those costs have been recovered; (ii) refunds due to prudence reviews (a portion of factor R, below); and (iii) all under- or over-recovery balances created through operation of this FAC, as determined in the true-up filings provided for herein (a portion of factor R, below). Interest shall be calculated monthly at a rate equal to the weighted average interest rate paid on the Company's short-term debt, applied to the month-end balance of items (i) through (iii) in the preceding sentence.

**Indicates Change.

RIDER FAC
FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)
**(Applicable To Service Provided Between July 31, 2011 And The Day Before The Effective Date Of This Tariff)

R = Under/over recovery (if any) from currently active and prior Recovery Periods as determined for the FAC true-up adjustments, and modifications due to adjustments ordered by the Commission , as a result of required prudence reviews or other disallowances and reconciliations, with interest as defined in item I.

S_{AP} = kWh during the Accumulation Period that ended prior to the applicable Filing Date, as measured by taking the retail component of the Company's load settled at its MISO CP node (AMMO.UE or successor node), plus the kWh reductions up to the kWh of energy sold off-system associated with the 12(M) OSSR adjustment above.

S_{RP} = Applicable Recovery Period estimated kWh representing the expected retail component of the Company's load settled at its MISO CP node (AMMO.UE or successor node), subject to the FPA_{RP} to be billed.

NBFC = Net Base Fuel Costs are the net costs determined by the Commission's order as the normalized test year value for the sum of allowable fuel costs (consistent with the term CF), plus cost of purchased power (consistent with the term CPP), less revenues from off-system sales (consistent with the term OSSR), less an adjustment (consistent with the term "W"), expressed in cents per kWh, based on the retail kWh from the net output calculation in the fuel run used in part to determine Net Base Fuel Costs, as included in the Company's retail rates. The NBFC rate applicable to June through September calendar months ("Summer NBFC Rate") is 1.319 cents per kWh. The NBFC rate applicable to October through May calendar months ("Winter NBFC Rate") is 1.213 cents per kWh.

To determine the FPA rates applicable to the individual Service Classifications, the FPA_C rate determined in accordance with the foregoing will be multiplied by the following voltage level adjustment factors:

Secondary Voltage Service	1.0557
Primary Voltage Service	1.0234
Large Transmission Voltage Service	0.9906

The FPA rates applicable to the individual Service Classifications shall be rounded to the nearest 0.001 cents, to be charged on a cents/kWh basis for each applicable kWh billed.

**Indicates Change.

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)

**(Applicable To Service Provided Between July 31, 2011 And The Day Before The Effective Date Of This Tariff)

TRUE-UP OF FAC

After completion of each Recovery Period, the Company will make a true-up filing in conjunction with an adjustment to its FAC. The true-up filing shall be made on the same day as the filing made to adjust its FAC. Any true-up adjustments or refunds shall be reflected in item R above, and shall include interest calculated as provided for in item I above.

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

GENERAL RATE CASE/PRUDENCE REVIEWS

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

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

Prudence reviews of the costs subject to this Fuel and Purchased Power Adjustment Clause shall occur no less frequently than every eighteen months, and any such costs which are determined by the Missouri Public Service Commission to have been imprudently incurred or incurred in violation of the terms of this rider shall be returned to customers with interest at a rate equal to the weighted average interest rate paid on the Company's short-term debt.

**Indicates Change.

Rider B

DISCOUNTS APPLICABLE FOR SERVICE TO SUBSTATIONS OWNED BY CUSTOMER IN LIEU OF COMPANY OWNERSHIP

Where a Customer served under rate schedules 4(M) or 11 (M) takes delivery of power and energy at a delivery voltage of 34kV or higher, Company will allow discounts from its applicable rate schedule as follows:

*1. A monthly credit of $1.19/kW of billing demand for customers taking service at 34.5 or 69kV

*2. A monthly credit of $1.41/kW of billing demand for customers taking service at 115kV or higher

*Indicates Change.

Ameren Missouri
CASE NO. ER-2012-0166
PRESENT AND PROPOSED CLASS REVENUE REQUIREMENTS
($000's)

Customer Class	Current Base Revenue	Proposed Base Revenue	Required Revenue Adjustment	% Change
Residential	$ 1,170,105	$ 1,340,393	$ 170,288	14.6%
Small General Service	$ 288,054	$ 329,979	$ 41,925	14.6%
Large General Service	$ 539,384	$ 617,889	$ 78,505	14.6%
Small Primary Service	$ 210,466	$ 241,113	$ 30,647	14.6%
Large Primary Service	$ 189,820	$ 217,450	$ 27,629	14.6%
Large Transmission Service	$ 147,949	$ 169,485	$ 21,536	14.6%
Lighting	$ 34,380	$ 39,383	$ 5,003	14.6%
Total	$ 2,580,158	$ 2,955,691	$ 375,533 (1)	14.6%

(1) - Targeted increase from Company witness Mr. Gary Weiss testimony is $375,565; however, rate rounding resulted in a shortfall of approximately $32K.

MISSOURI
RESIDENTIAL SERVICE CLASSIFICATION NO. 1(M)
TYPICAL MONTHLY BILLS - EXCLUDING TAXES

kWh	AVERAGE MONTHLY BILL
100	$21.57
150	$26.35
200	$31.12
250	$35.89
300	$40.66
350	$45.43
400	$50.20
450	$54.98
500	$59.75
550	$64.52
600	$69.29
650	$74.06
700	$78.83
750	$83.61
800	$87.48
850	$91.34
900	$95.21
950	$99.08
1000	$102.95
1100	$110.69
1200	$118.42
1300	$126.16
1400	$133.90
1500	$141.63
1600	$149.37
1700	$157.11
1800	$164.84
1900	$172.58
2000	$180.32
2500	$219.00
3000	$257.68
3500	$296.37
4000	$335.05
4500	$373.73
5000	$412.42

MISSOURI
SMALL GENERAL SERVICE CLASSIFICATION NO. 2(M)
TYPICAL MONTHLY BILLS - EXCLUDING TAXES
SINGLE-PHASE SERVICE

kWh	AVERAGE MONTHLY BILL
0	$14.66
50	$19.15
100	$23.65
300	$41.62
400	$50.61
500	$59.59
600	$68.58
700	$77.57
800	$86.55
900	$95.54
1000	$104.53
2,000	$194.39
3,000	$284.26
4,000	$374.13
5,000	$463.99
6,000	$553.86
7,000	$643.73
8,000	$733.59
9,000	$823.46
10,000	$913.33
11,000	$1,003.19
12,000	$1,093.06
13,000	$1,182.93
14,000	$1,272.79
15,000	$1,362.66
16,000	$1,452.53
17,000	$1,542.39
18,000	$1,632.26
19,000	$1,722.13
20,000	$1,811.99
21,000	$1,901.86
22,000	$1,991.73
23,000	$2,081.59
24,000	$2,171.46
25,000	$2,261.33
30,000	$2,710.66
35,000	$3,159.99
40,000	$3,609.33
45,000	$4,058.66
50,000	$4,507.99

(1) - WINTER BILLS EXCLUDE SEASONAL USAGE EFFECT, IF ANY.

MISSOURI
SMALL GENERAL SERVICE CLASSIFICATION NO. 2(M)
TYPICAL MONTHLY BILLS - EXCLUDING TAXES
THREE-PHASE SERVICE

kWh	AVERAGE MONTHLY BILL
0	$29.29
50	$33.78
100	$38.28
300	$56.25
400	$65.24
500	$74.22
600	$83.21
700	$92.20
800	$101.18
900	$110.17
1000	$119.16
2,000	$209.02
3,000	$298.89
4,000	$388.76
5,000	$478.62
6,000	$568.49
7,000	$658.36
8,000	$748.22
9,000	$838.09
10,000	$927.96
11,000	$1,017.82
12,000	$1,107.69
13,000	$1,197.56
14,000	$1,287.42
15,000	$1,377.29
16,000	$1,467.16
17,000	$1,557.02
18,000	$1,646.89
19,000	$1,736.76
20,000	$1,826.62
21,000	$1,916.49
22,000	$2,006.36
23,000	$2,096.22
24,000	$2,186.09
25,000	$2,275.96
30,000	$2,725.29
35,000	$3,174.62
40,000	$3,623.96
45,000	$4,073.29
50,000	$4,522.62

(1) - WINTER BILLS EXCLUDE SEASONAL USAGE EFFECT, IF ANY.

MISSOURI
LARGE GENERAL SERVICE CLASSIFICATION NO. 3(M)
TYPICAL MONTHLY BILLS - EXCLUDING TAXES

kW	kWh/kW	kWh	AVERAGE MONTHLY BILL
100	100	10,000	$1,178.17
	200	20,000	$1,884.34
	300	30,000	$2,491.67
	400	40,000	$3,021.84
	500	50,000	$3,474.84
	600	60,000	$3,927.84
	700	70,000	$4,380.84
500	100	50,000	$5,519.51
	200	100,000	$9,050.34
	300	150,000	$12,087.01
	400	200,000	$14,737.84
	500	250,000	$17,002.84
	600	300,000	$19,267.84
	700	350,000	$21,532.84
1000	100	100,000	$10,946.17
	200	200,000	$18,007.84
	300	300,000	$24,081.17
	400	400,000	$29,382.84
	500	500,000	$33,912.84
	600	600,000	$38,442.84
	700	700,000	$42,972.84
2,000	100	200,000	$21,799.51
	200	400,000	$35,922.84
	300	600,000	$48,069.51
	400	800,000	$58,672.84
	500	1,000,000	$67,732.84
	600	1,200,000	$76,792.84
	700	1,400,000	$85,852.84
3,000	100	300,000	$32,652.84
	200	600,000	$53,837.84
	300	900,000	$72,057.84
	400	1,200,000	$87,962.84
	500	1,500,000	$101,552.84
	600	1,800,000	$115,142.84
	700	2,100,000	$128,732.84
5,000	100	500,000	$54,359.51
	200	1,000,000	$89,667.84
	300	1,500,000	$120,034.51
	400	2,000,000	$146,542.84
	500	2,500,000	$169,192.84
	600	3,000,000	$191,842.84
	700	3,500,000	$214,492.84

(1) - WINTER BILLS EXCLUDE SEASONAL USAGE EFFECT, IF ANY.

MISSOURI
SMALL PRIMARY SERVICE CLASSIFICATION NO. 4(M)
TYPICAL MONTHLY BILLS - EXCLUDING TAXES

kW	kWh/kW	kWh	AVERAGE MONTHLY BILL
100	100	10,000	$1,316.36
	200	20,000	$1,997.69
	300	30,000	$2,585.03
	400	40,000	$3,097.86
	500	50,000	$3,536.19
	600	60,000	$3,974.53
	700	70,000	$4,412.86
500	100	50,000	$5,332.36
	200	100,000	$8,739.03
	300	150,000	$11,675.69
	400	200,000	$14,239.86
	500	250,000	$16,431.53
	600	300,000	$18,623.19
	700	350,000	$20,814.86
1000	100	100,000	$10,352.36
	200	200,000	$17,165.69
	300	300,000	$23,039.03
	400	400,000	$28,167.36
	500	500,000	$32,550.69
	600	600,000	$36,934.03
	700	700,000	$41,317.36
2,000	100	200,000	$20,392.36
	200	400,000	$34,019.03
	300	600,000	$45,765.69
	400	800,000	$56,022.36
	500	1,000,000	$64,789.03
	600	1,200,000	$73,555.69
	700	1,400,000	$82,322.36
3,000	100	300,000	$30,432.36
	200	600,000	$50,872.36
	300	900,000	$68,492.36
	400	1,200,000	$83,877.36
	500	1,500,000	$97,027.36
	600	1,800,000	$110,177.36
	700	2,100,000	$123,327.36
5,000	100	500,000	$50,512.36
	200	1,000,000	$84,579.03
	300	1,500,000	$113,945.69
	400	2,000,000	$139,587.36
	500	2,500,000	$161,504.03
	600	3,000,000	$183,420.69
	700	3,500,000	$205,337.36

(1) - WINTER BILLS EXCLUDE SEASONAL USAGE EFFECT, IF ANY.

MISSOURI
LARGE PRIMARY SERVICE CLASSIFICATION NO. 11(M)
TYPICAL MONTHLY BILLS - EXCLUDING TAXES

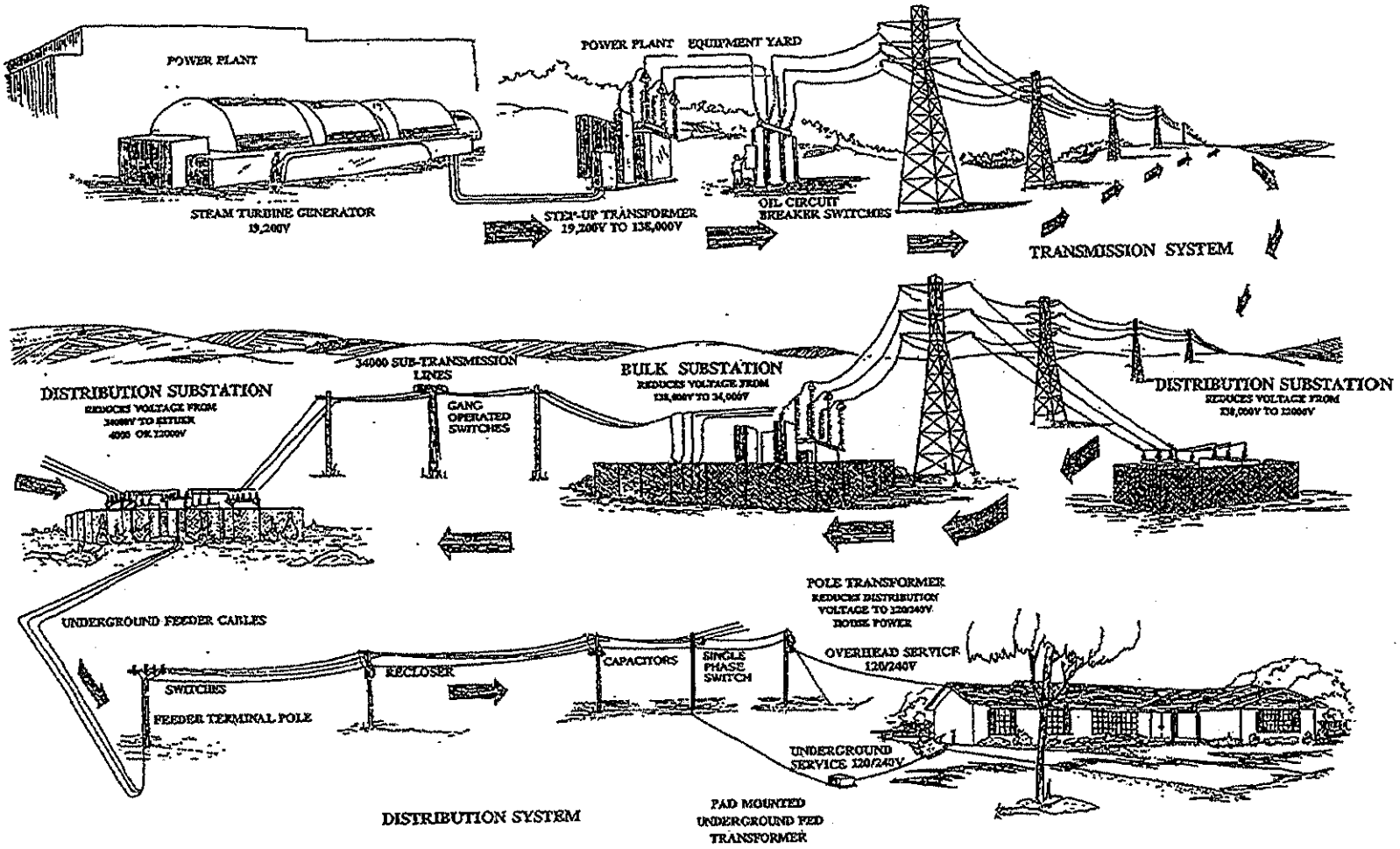
	kW	kWh/kW	kWh	AVERAGE MONTHLY BILL
*	4,000	300	1,200,000	$102,168.53
		400	1,600,000	$115,381.86
		500	2,000,000	$128,595.19
		600	2,400,000	$141,808.53
		700	2,800,000	$155,021.86
	5,000	300	1,500,000	$112,078.53
		400	2,000,000	$128,595.19
		500	2,500,000	$145,111.86
		600	3,000,000	$161,628.53
		700	3,500,000	$178,145.19
	10,000	300	3,000,000	$223,795.19
		400	4,000,000	$256,828.53
		500	5,000,000	$289,861.86
		600	6,000,000	$322,895.19
		700	7,000,000	$355,928.53
	20,000	300	6,000,000	$447,228.53
		400	8,000,000	$513,295.19
		500	10,000,000	$579,361.86
		600	12,000,000	$645,428.53
		700	14,000,000	$711,495.19
	30,000	300	9,000,000	$670,661.86
		400	12,000,000	$769,761.86
		500	15,000,000	$868,861.86
		600	18,000,000	$967,961.86
		700	21,000,000	$1,067,061.86
	50,000	300	15,000,000	$1,117,528.53
		400	20,000,000	$1,282,695.19
		500	25,000,000	$1,447,861.86
		600	30,000,000	$1,613,028.53
		700	35,000,000	$1,778,195.19
	#######	300	30,000,000	$2,234,695.19
		400	40,000,000	$2,565,028.53
		500	50,000,000	$2,895,361.86
		600	60,000,000	$3,225,695.19
		700	70,000,000	$3,556,028.53

* - BILLS REFLECT MINIMUM BILLING DEMAND OF 5,000 kW.

MISSOURI
LARGE TRANSMISSION SERVICE CLASSIFICATION NO. 12(M)
TYPICAL MONTHLY BILLS - EXCLUDING TAXES

	kW	kWh/kW	kWh	AVERAGE MONTHLY BILL
*	4,000	300	1,200,000	$79,219.33
		400	1,600,000	$89,960.67
		500	2,000,000	$100,702.00
		600	2,400,000	$111,443.33
		700	2,800,000	$122,184.67
	5,000	300	1,500,000	$87,275.33
		400	2,000,000	$100,702.00
		500	2,500,000	$114,128.67
		600	3,000,000	$127,555.33
		700	3,500,000	$140,982.00
	10,000	300	3,000,000	$172,738.67
		400	4,000,000	$199,592.00
		500	5,000,000	$226,445.33
		600	6,000,000	$253,298.67
		700	7,000,000	$280,152.00
	20,000	300	6,000,000	$343,665.33
		400	8,000,000	$397,372.00
		500	10,000,000	$451,078.67
		600	12,000,000	$504,785.33
		700	14,000,000	$558,492.00
	30,000	300	9,000,000	$514,592.00
		400	12,000,000	$595,152.00
		500	15,000,000	$675,712.00
		600	18,000,000	$756,272.00
		700	21,000,000	$836,832.00
	50,000	300	15,000,000	$856,445.33
		400	20,000,000	$990,712.00
		500	25,000,000	$1,124,978.67
		600	30,000,000	$1,259,245.33
		700	35,000,000	$1,393,512.00
	#######	300	30,000,000	$1,711,078.67
		400	40,000,000	$1,979,612.00
		500	50,000,000	$2,248,145.33
		600	60,000,000	$2,516,678.67
		700	70,000,000	$2,785,212.00

GENERATING AND POWER DISTRIBUTION SYSTEM



Schedule WLC-E4

Ameren Missouri
MISSOURI ELECTRIC OPERATIONS
CLASS COST OF SERVICE ALLOCATION STUDY

TITLE: SUMMARY CURRENT ROR RESULTS ($000'S)

		MISSOURI	RESIDENTIAL	SMALL GENERAL SERV	LARGE G.S. / SMALL PRIMARY	LARGE PRIMARY	LARGE TRANSMISSION	LIGHTING
1	BASE REVENUE	$ 2,580,158	$ 1,170,105	$ 288,054	$ 749,850	$ 189,820	$ 147,949	$ 34,380
2	OTHER REVENUE	$ 68,583	$ 38,657	$ 6,658	$ 15,873	$ 3,763	$ 3,078	$ 555
3	LIGHTING REVENUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4	SYSTEM, OFF-SYS SALES & DISP OF ALLOW	$ 360,103	$ 133,880	$ 34,603	$ 115,232	$ 36,067	$ 38,542	$ 1,780
5	RATE REVENUE VARIANCE	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6	TOTAL OPERATING REVENUE	$ 3,008,844	$ 1,342,642	$ 329,314	$ 880,954	$ 229,650	$ 189,568	$ 36,715
7								
8	TOTAL PROD, T&D, CUST, AND A&G EXP	$ 1,982,446	$ 898,942	$ 198,571	$ 561,186	$ 159,113	$ 144,313	$ 20,321
9	TOTAL DEPR AND AMMORT EXPENSES	$ 461,617	$ 243,153	$ 49,410	$ 116,132	$ 26,841	$ 17,341	$ 8,741
10	REAL ESTATE AND PROPERTY TAXES	$ 142,152	$ 74,466	$ 15,498	$ 35,478	$ 8,288	$ 5,826	$ 2,597
11	INCOME TAXES	$ 203,097	$ 104,613	$ 21,783	$ 52,037	$ 12,541	$ 8,856	$ 3,267
12	PAYROLL TAXES	$ 23,042	$ 11,897	$ 2,428	$ 5,845	$ 1,463	$ 985	$ 425
13	FEDERAL EXCISE TAX	$ -	$ -	$ -	$ -	$ -	$ -	$ -
14	REVENUE TAXES	$ -	$ -	$ -	$ -	$ -	$ -	$ -
15								
16	TOTAL OPERATING EXPENSES	$ 2,812,354	$ 1,333,071	$ 287,689	$ 770,678	$ 208,246	$ 177,320	$ 35,351
17								
18	NET OPERATING INCOME	$ 196,490	$ 9,571	$ 41,626	$ 110,276	$ 21,404	$ 12,249	$ 1,365
19								
20	GROSS PLANT IN SERVICE	$14,610,042	$ 7,646,261	$ 1,587,513	$ 3,660,297	$ 854,696	$ 595,719	$ 265,557
21	RESERVES FOR DEPRECIATION	$ 6,238,748	$ 3,296,500	$ 681,502	$ 1,534,654	$ 351,261	$ 247,121	$ 127,710
22								
23	NET PLANT IN SERVICE	$ 8,371,294	$ 4,349,761	$ 906,011	$ 2,125,643	$ 503,435	$ 348,598	$ 137,847
24								
25	MATERIALS & SUPPLIES - FUEL	$ 260,508	$ 96,853	$ 25,033	$ 83,362	$ 26,092	$ 27,882	$ 1,287
26	MATERIALS & SUPPLIES -LOCAL	$ 170,308	$ 108,482	$ 19,556	$ 30,290	$ 5,016	$ 3	$ 6,961
27	CASH WORKING CAPITAL	$ 44,894	$ 20,357	$ 4,497	$ 12,708	$ 3,603	$ 3,268	$ 460
28	CUSTOMER ADVANCES & DEPOSITS	$ (19,448)	$ (10,815)	$ (4,742)	$ (3,617)	$ -	$ (125)	$ (149)
29	ACCUMULATED DEFERRED INCOME TAXES	$(2,017,383)	$(1,056,796)	$ (219,937)	$ (503,492)	$ (117,621)	$ (82,674)	$ (36,862)
30								
31	TOTAL NET ORIGINAL COST RATE BASE	$ 6,810,174	$ 3,507,841	$ 730,419	$ 1,744,893	$ 420,524	$ 296,952	$ 109,545
32								
33	RATE OF RETURN	2.885%	0.273%	5.699%	6.320%	5.090%	4.125%	1.246%

Schedule WLC-E5

Ameren Missouri
MISSOURI ELECTRIC OPERATIONS
CLASS COST OF SERVICE ALLOCATION STUDY
EQUALIZED CLASS RATES OF RETURN ANALYSIS

	TITLE: SUMMARY EQUAL ROR ($000's)	MISSOURI	RESIDENTIAL	SMALL GENERAL SERV	LARGE G.S. / SMALL PRIMARY	LARGE PRIMARY	LARGE TRANSMISSION	LIGHTING
1	BASE REVENUE	$ 2,955,723	$ 1,455,193	$ 307,783	$ 786,145	$ 203,741	$ 160,644	$ 42,217
2	OTHER REVENUE	$ 68,583	$ 38,657	$ 6,658	$ 15,873	$ 3,763	$ 3,078	$ 555
3	LIGHTING REVENUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4	SYSTEM, OFF-SYS SALES & DISP OF ALLOW	$ 360,103	$ 133,880	$ 34,603	$ 115,232	$ 36,067	$ 38,542	$ 1,780
5	RATE REVENUE VARIANCE	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6	TOTAL OPERATING REVENUE	$ 3,384,409	$ 1,627,730	$ 349,044	$ 917,249	$ 243,570	$ 202,264	$ 44,552
7								
8	TOTAL PROD., T&D, CUSTOMER, AND A&G EXP.	$ 1,982,446	$ 898,942	$ 198,571	$ 561,186	$ 159,113	$ 144,313	$ 20,321
9	TOTAL DEPR. AND AMMOR. EXPENSES	$ 461,617	$ 243,153	$ 49,410	$ 116,132	$ 26,841	$ 17,341	$ 8,741
10	REAL ESTATE AND PROPERTY TAXES	$ 142,152	$ 74,466	$ 15,498	$ 35,478	$ 8,288	$ 5,826	$ 2,597
11	INCOME TAXES	$ 203,097	$ 104,613	$ 21,783	$ 52,037	$ 12,541	$ 8,856	$ 3,267
12	PAYROLL TAXES	$ 23,042	$ 11,897	$ 2,428	$ 5,845	$ 1,463	$ 985	$ 425
13	FEDERAL EXCISE TAX	$ -	$ -	$ -	$ -	$ -	$ -	$ -
14	REVENUE TAXES	$ -	$ -	$ -	$ -	$ -	$ -	$ -
15								
16	TOTAL OPERATING EXPENSES	$ 2,812,354	$ 1,333,071	$ 287,689	$ 770,678	$ 208,246	$ 177,320	$ 35,351
17								
18	NET OPERATING INCOME	$ 572,055	$ 294,659	$ 61,355	$ 146,571	$ 35,324	$ 24,944	$ 9,202
19								
20	GROSS PLANT IN SERVICE	$ 14,610,042	$ 7,646,261	$ 1,587,513	$ 3,660,297	$ 854,696	$ 595,719	$ 265,557
21	RESERVES FOR DEPRECIATION	$ 6,238,748	$ 3,296,500	$ 681,502	$ 1,534,654	$ 351,261	$ 247,121	$ 127,710
22								
23	NET PLANT IN SERVICE	$ 8,371,294	$ 4,349,761	$ 906,011	$ 2,125,643	$ 503,435	$ 348,598	$ 137,847
24								
25	MATERIALS & SUPPLIES - FUEL	$ 260,508	$ 96,853	$ 25,033	$ 83,362	$ 26,092	$ 27,882	$ 1,287
26	MATERIALS & SUPPLIES -LOCAL	$ 170,308	$ 108,482	$ 19,556	$ 30,290	$ 5,016	$ 3	$ 6,961
27	CASH WORKING CAPITAL	$ 44,894	$ 20,357	$ 4,497	$ 12,708	$ 3,603	$ 3,268	$ 460
28	CUSTOMER ADVANCES & DEPOSITS	$ (19,448)	$ (10,815)	$ (4,742)	$ (3,617)	$ -	$ (125)	$ (149)
29	ACCUMULATED DEFERRED INCOME TAXES	$ (2,017,383)	$ (1,056,796)	$ (219,937)	$ (503,492)	$ (117,621)	$ (82,674)	$ (36,862)
30								
31	TOTAL NET ORIGINAL COST RATE BASE	$ 6,810,174	$ 3,507,841	$ 730,419	$ 1,744,893	$ 420,524	$ 296,952	$ 109,545
32								
33	RATE OF RETURN	8.400%	8.400%	8.400%	8.400%	8.400%	8.400%	8.400%

Ameren Missouri
CASE NO. ER-2012-0166
PROPOSED CLASS REVENUE REQUIREMENTS
($000's)

Customer Class	Proposed Base Revenue
Residential	$ 1,340,393
Small General Service	$ 329,979
Large General Service	$ 617,889
Small Primary Service	$ 241,113
Large Primary Service	$ 217,450
Large Transmission Service	$ 169,485
Lighting	$ 39,383
Total	$ 2,955,691

Schedule WLC-E7