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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

America Exhibit No. 36 Date 10-11-12 Reporter XF File No. F-R-2012-0166

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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,

1 including load research and various cost of service and rate design studies, as assigned. I 2 was appointed to my present position of Manager of Rates and Tariffs in March 2003. 3 I currently have responsibility for the general policies and practices associated 4 with the day-to-day administration and design of Ameren Missouri's electric and gas rate 5 tariffs, riders and rules and regulations tariffs on file with the Missouri Public Service 6 Commission ("Commission") and in the participation in various proceedings before this 7 regulatory agency. In addition, Rates and Tariffs is responsible for conducting class cost 8 of service and rate design studies and the participation in other projects of a general 9 corporate nature, as requested by the Company's Vice President-Regulatory and 10 Legislative Affairs. 11 I have previously submitted testimony before the regulatory commissions of 12 Missouri, Illinois, and Iowa. 13 II. PURPOSE AND SUMMARY OF TESTIMONY 14 Q. What is the purpose of your direct testimony in this proceeding? 15 A. My direct testimony discusses: a) the revenue increase being proposed for 16 the Company's electric retail rate classes; b) the development and results of a class cost 17 of service study being submitted in connection with the direct testimony of Ameren 18 Missouri witness William M. Warwick as part of this case; and c) the design and 19 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.

6

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 rate¹ revenue that would be realized from the tariffs which are effective at the time of this filing.

13

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.

19

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.

Ш. 1 CLASS COST OF SERVICE STUDY 2 А, **Class Cost of Service Concepts and Operating System Components** 3 Q. Please explain what is meant by "class cost of service." The Company currently provides service to its customers in a number of 4 A. 5 rate classifications that are designated for residential or non-residential service. The nonresidential customer group is differentiated by customer size and the voltage level at 6 7 which the Company provides service. The current customer classes are Residential, Small General Service ("SGS") and Large General Service ("LGS") (all of which have 8 9 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 10 Transmission Service ("LTS") (delivery at a "transmission" voltage level) and Lighting 11 12 Service (both area and street lighting). A class cost of service study provides a basis for 13 allocating and/or assigning the Company's total jurisdictional cost of providing electric 14 service to these various customer classes in a manner that reflects cost causation. The 15 results of a class cost of service study with equalized rates of return are often referred to 16 as "class revenue requirements." Mr. Warwick conducted a class cost of service study 17 for this case, under my supervision, and he is sponsoring that study in direct testimony 18 filed in this proceeding.

19 Q. How are the results of a class cost of service study used by the20 Company?

21

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.

4

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

5 Α. 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 6 7 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 8 9 structure, of a given class rate may range in complexity from a simple structure 10 consisting of a monthly customer charge and a flat charge per kilowatt-hour (such as the 11 Company's summer Residential rate), to a more complex set of customer, demand, 12 energy and reactive charges (such as the Company's SPS, LPS and LTS rates). In all 13 instances, however, the charges within a specific rate classification are established such 14 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 15 each of the Company's retail rate classes. 16

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.
- 3
- 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.

10

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.

16

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.

1	Q.	After electrical power at 4,160 to 13,800 volts is delivered to a point at
2	or near a cus	tomer's premises, do any further reductions in voltage take place?
3	А.	Yes, in most instances. While approximately 720 of the Company's
4	largest indust	rial and commercial customers in Missouri take service at the 4,160 to
5	13,800 volt ra	nge or higher, the majority of the Company's customers are served at lower
6	voltages, rang	ing from 120 to 480 volts. The lower voltages are achieved through the use
7	of numerous	line transformers located at or near the customer's premises. This low
8	voltage electri	ical power from the line transformer is delivered to a customer's premises
9	over low volta	ge lines referred to as "secondary" and "service" lines.
10	Q.	What voltages are utilized in providing electric service to residential
11	customers?	
12	А.	Residential customers are served at either 120 or 240 volts depending
13	upon the custo	omer's service entrance panel size and connected appliances.
14	Q.	What voltages are utilized to serve non-residential customers?
15	А.	Non-residential customers on the Company's SGS or LGS rates are served
16	at voltages fro	m 120 to 480 volts due to the wide variety of electrical consuming devices
17	utilized by suc	ch customers. Customers in the latter voltage range are often referred to as
18	"secondary" v	oltage customers. Other larger non-residential customers receiving service
19	at 4,160 to 13	,800 volts are referred to as "primary" voltage customers. The Company
20	also serves ap	proximately 75 customers in Missouri at voltages above the 13,800 volt
21	level. These	are referred to as "high voltage" or Rider B customers. Additionally, the
22	Company serv	ves its only current LTS customer at 161 kilovolts ("kV") via a unique
23	transmission s	ervice arrangement.

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1	Q. In your description of the Ameren Missouri generation, transmission
2	and distribution system are you using the term "lines" in a general sense?
3	A. Yes. Those "lines" may be overhead conductors or underground cables.
4	Overhead "lines" include all poles, towers, insulators, crossarms and all other hardware
5	associated with such installations. Underground "lines" include direct buried cable, as
6	well as that installed in single or multi-duct conduit, and other associated hardware.
7	B. Costs and Revenues in Class Cost of Service Study
8	Q. Please describe the components of costs and revenues that are
9	contained in the class cost of service study that the Company is filing in this case.
10	A. A traditional cost of service study incorporates the aggregate jurisdictional
11	(Missouri or Federal Energy Regulatory Commission ("FERC")) accounting and
12	financial data normally submitted to a regulatory commission by a utility in support of a
13	request for an adjustment in its overall rate levels. Such a study is required to determine
14	the level of revenues necessary for the Company to recover its operating and maintenance
15	expenses, depreciation applicable to its investment in utility plant, property taxes, income
16	and other taxes, and provide a fair rate of return to the Company's investors, through its
17	rates. The Company's class cost of service study allocates, or distributes, these total
18	jurisdictional costs to the various customer classes in a cost-based manner that fairly and
19	equitably reflects the cost of the service being provided to each customer class.

1	Q.	Was a Missouri jurisdictional cost of service study performed by the
2	Company's I	Regulatory Accounting group the starting point for the class cost of
3	service study	performed and sponsored by Mr. Warwick?
4	Α.	Yes, it was. As I indicated above, the Company's class cost of service
5	study is a cor	ntinuation and refinement of the Missouri jurisdictional cost of service study
6	discussed in	the direct testimony of Mr. Weiss, resulting in a determination of the costs
7	incurred in pr	oviding electric service to each of the Company's customer classes.
8	Q.	What major categories of cost were examined in the development of
9	the class cost	t of service study being sponsored by Mr. Warwick in this case?
10	Α.	A detailed analysis was made of all elements of the Company's Missouri
11	jurisdictional	rate base investment and expenses during the test year for the purpose of
12	allocating suc	ch items to the Company's present customer classes. This analysis consisted
13	of classifying	the various elements of cost into their customer-related, energy-related and
14	demand-relate	ed cost categories.
15	Q.	Why are the Company's costs classified into these three categories?
16	Α.	It is generally accepted within the industry that the costs in each of these
17	categories re	sult from different cost causation factors and, hence, should be allocated
18	among the va	rious customer classes by different methodologies which consider such cost
19	causation.	·
20	Q.	What are customer-related costs?
21	Α.	Customer-related costs are the minimum costs necessary to just make
22	electric servic	e available to the customer, regardless of the extent to which such service is

23 utilized. Examples of such costs include monthly meter reading, billing, postage,

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Q.

1 customer accounting and customer service expenses, as well as a portion of the costs 2 associated with the required investment in a meter, the service line, the transformer and 3 other distribution system facilities. The customer components of the distribution system 4 are those costs necessary to simply make service available to a customer, without the 5 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 6 7 Regulatory Utility Commissioners ("NARUC"), references both customer-related and 8 demand-related cost components for all distribution plant and operating expense accounts 9 other than for substations and street lighting plant accounts.

10

What are energy-related costs?

11 A. Energy-related costs are those costs related directly to the customer's 12 consumption of electrical energy (kilowatt-hours) and consist primarily of fuel, fuel 13 handling, interchange power costs, and a portion of production plant maintenance 14 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.

3 Q. Was there an additional category of cost that was examined in this 4 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.

11

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.

3 Demand-related distribution costs are allocated to customer classes using one or 4 more allocation factors based upon customer class coincident, class non-coincident or 5 individual customer non-coincident kilowatt demands. Demand-related transmission costs are allocated to customer classes on a 12 coincident peak ("CP") basis, as that 6 7 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 8 9 the Midwest Independent Transmission System Operator, Inc. ("MISO"), per the MISO's 10 Attachment O Rate Formulae in the Open Access Transmission, Energy and Operating 11 Reserve Markets Tariff on file at the FERC. Demand-related production costs are 12 allocated on the basis of the Average & Excess ("A&E") Demand Method referenced in 13 the NARUC cost allocation manual. As not all customers have demand meters, customer 14 class and individual customer kilowatt demand data is obtained from the Company's 15 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:

22 <u>Peak Responsibility</u> – Costs are allocated on the basis of the relative customer
 23 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.

<u>Non-Coincident Peak</u> – 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.

9 Average and Excess - Costs are allocated based upon a weighting of average class 10 demand throughout the year (kilowatt-hours ÷ 8,760 hours) and class "excess" 11 demand(s). The excess demand(s) used in this determination are the class NCP 12 demand(s) in excess of the average class demand during the study period. As 13 with the CP and NCP methodologies, this method can also employ the use of one 14 or more customer class NCP demands to determine class excess demands. 15 Average class demands are weighted by the Company's annual system load factor ("LF") (LF = average demand \div peak demand) and excess class demands are 16 17 weighted by the complement of the load factor (1.0 - LF) in the development of 18 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?

4 Two major factors associated with generation capacity planning prompted A. 5 the use of the A&E demand cost allocation methodology. Generally, system peak 6 demands and, to a somewhat lesser extent, excess customer demands, are the motivating 7 factors which influence the amount of capacity the Company must add to its generation 8 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 9 10 maximum customer demand alone, but also by the annual energy, or kilowatt-hours, 11 which will be required to be generated by such capacity, i.e., the generation unit's 12 utilization factor. A cost allocation methodology that gives weight to both a) class peak 13 demands and b) class energy consumption (average demands) is required to properly 14 address both of the above considerations associated with capacity planning. The A&E 15 methodology gives weight to both of these considerations by its inclusion of both average 16 class demands, which are kilowatt-hours divided by total hours in the year (8,760) and 17 the excess NCP demands of each class. As indicated earlier, the Company's A&E cost 18 allocation study used both the 4 NCP and average class demands in the determination of 19 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

23 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

1	each class will indicate the percentage rate of return being earned by the Company from a
2	particular customer class. This application of allocation factors to Missouri electrical
3	jurisdictional costs, the aggregation of the total annual cost to each of the customer
4	classes and a summary of the results of the Company's class cost of service study are
5	described in detail in Mr. Warwick's direct testimony.
6	Q. Earlier you mentioned the categorization of energy efficiency related
7	costs. How were these costs allocated to the affected customer classes?
8	A. Costs in the aforementioned category 1) (Program costs) were directly
9	assigned to the rate classes based on utilization of program benefits to date. The revenue
10	requirements in the aforementioned category 2) were allocated consistent with the
11	Company's MEEIA filing.
12	D. <u>Study Results</u>
13	Q. Referring now to the results of the Company's class cost of service
14	study performed by Mr. Warwick in this case, please identify Schedule WLC-E5.
15	A. Schedule WLC-E5 (which is the same as Mr. Warwick's Schedule
16	WMW-E1) summarizes the results of the Company's class cost of service study,
17	indicating the rate of return on rate base currently being earned on the service being
18	provided to the Company's major retail customer classes. As indicated earlier, the basic
19	starting point for this study was the Missouri jurisdictional cost of service study.
20	Q. What general conclusions can be drawn from the information

.

21 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.

О.

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

3 E. Class Revenue Proposals

4

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?

8 A. If one was to base class rates solely on class cost of service and ignore 9 other relevant factors, the response would be yes. However, the results of Mr. Warwick's 10 study produced the following revenue increases by customer class:

11

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%

1	Q. Is t	he Company proposing that these cost-based class revenue
2	requirements be u	itilized in developing class rates in the case?
3	A. No,	the Company is proposing a departure from class revenue
4	requirements or ra	te design being established solely on the basis of equal class rates of
5	return as shown in	its class cost of service study.
6	Q. Wh	y is the Company proposing to vary from the cost-based revenue
7	requirements?	
8	A. The	e Company recognizes that factors other than cost of service are
9	relevant to determ	ining class revenue requirements. These factors may include, but are
10	not limited to, rev	venue stability, rate stability, effectiveness in yielding total revenue
11	requirements, publ	ic acceptance, and value of service.
12	Q. Wh	at is the Company's proposal for allocating the revenue increase
13	requested in this o	case?
14	A. The	Company is proposing to allocate the revenue increase requested in
15	this case across-the	e-board, on an equal percentage of present revenue basis.
16	Q. Plea	ase explain the Company's proposal to allocate the revenue
17	increase in this c	ase on an equal percentage or across-the-board basis rather than
18	based solely on cl	ass cost of service study results.
19	A. Wh	ile cost-based rates are an important starting point in developing class
20	revenue targets and	d rate design, the aforementioned other factors of revenue stability, rate
21	stability, effective	ness in yielding total revenue requirements, public acceptance, and
22	value of service sh	ould be considered when determining class revenue requirements and
23	designing rates. C	onsidering 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?

6 Yes. At pages 115-116 the order states, "In general, it is important that A. each customer class carry its own weight by paying rates sufficient to cover the cost to 7 8 serve that class. That is a matter of simple fairness in that one customer class should not 9 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 10 correct price signals to those customers.²⁸⁵ However, the Commission is not required to 11 12 precisely set rates to match the indicated class cost of service. Instead, the Commission 13 has a great deal of discretion to set just and reasonable rates, and can take into account 14 other factors, such as public acceptance, rate stability and revenue stability in setting rates." 15

16

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

1	contained in Schedules JRP-E1 through JRP-E6 of Mr. Pozzo's direct testimony in this
2	case was used as a resource for the individual class billing units. The data in these
3	schedules are based upon the Company's weather normalized sales during the test year in
4	this case as discussed in the direct testimony of Ameren Missouri witness Steven M.
5	Wills.
6	IV. CLASS RATES
7 8	Q. Please describe the Company's specific rate design proposal in this case.
9 10	A. The Company's rate design proposal in this case is as follows:
11	(1) Energy Efficiency Charge(s). For the affected classes, the energy
12	efficiency charges were set to achieve the "unbundled" annual energy efficiency
13	related revenue requirement as developed in Mr. Warwick's class cost of service
14	study, and the charges were seasonally differentiated based on the existing
15	proportionality of the class' summer and winter non-customer charge revenues.
16	(2) Residential Rate Design. The Customer Charge was the initial rate
17	component developed. Mr. Warwick's class cost of service study produced a
18	customer charge of approximately \$20 per month. Although the existing
19	customer charge of \$8.00 per month is only 75¢ greater than its level of \$7.25 per
20	month in March 2000, the Company has limited this charge to \$12.00 in its
21	proposed Residential Rate. The remaining energy charges of the Residential Rate
22	were increased to achieve the annual revenue target or across-the-board increase
23	less the unbundled energy efficiency revenue requirement for this class.
24	(3) Small General Service Rate Design. The Customer Charge was
25	the initial rate component developed. Mr. Warwick's class cost of service study

1	produced a weighted customer charge of approximately \$22 per month for
2	customers in this class. The current level is \$9.74 per month for single phase
3	service and \$19.49 for three phase service. The Company has limited this charge
4	to \$14.61 for single phase service and \$29.24 for three phase service in its
5	proposed Small General Service Rate. The remaining energy charges of the
6	Small General Service Rate were increased to achieve the annual revenue target
7	or across-the-board increase less the unbundled energy efficiency revenue
8	requirement for this class.
9	(4) Retention of Certain Prior Uniform Features of the Company's
10	non-Residential, Commercial and Industrial Customer classes. The Company is
11	proposing to retain the following rate design features that are currently in effect.
12	Remaining rate designs for these Service Classifications will be discussed later.
13	(a) The customer charges on the SPS, LPS, and LTS rate schedules are
14	proposed to remain the same.
15	(b) The rates (\$ per kW) for Rider B voltage credits are proposed to
16	remain the same under all applicable rate schedules.
17	(c) The rate (\$ per billed kVar) associated with the Reactive Charge is
18	proposed to remain the same under all applicable rate schedules.
19	(d) The rate (\$ per month) associated with the Time-of-Day meter
20	charge is proposed to remain the same under all applicable rate schedules.
21	(5) Large General Service and Small Primary Service Rate Design.
22	The demand and energy charges on the LGS and SPS rate schedules were
23	increased uniformly to achieve the annual revenue requirement of these classes

1	less the unbundled energy efficiency revenue requirement after uniformity
2	adjustments were made, as described in (4) above.
3	(6) Large Primary Service Rate Design. The demand and energy
4	charges on the LPS rate schedule were increased uniformly to achieve the annual
5	revenue requirement less the unbundled energy efficiency revenue requirement of
6	this class after uniformity adjustments were made, as described in (4) above.
7	(7) Large Transmission Service Rate Design. The demand and energy
8	charges on the LTS rate schedule were increased uniformly to achieve the annual
9	revenue requirement of this class after uniformity adjustments were made, as
10	described in (4) above.
11	(8) Lighting Service – The Company has three active lighting service
12	classifications: 1) Street & Outdoor Area Lighting - Company-Owned 5(M);
13	2) Street and Outdoor Area Lighting – Customer-Owned 6(M); and 3) Municipal
14	Street Lighting – Incandescent 7(M).
15	Mr. Warwick's class cost of service study combined the Lighting Service
16	classifications and, as noted above, the study produced a cost-based increase of 22.8%.
17	However, as mentioned above, the Company is proposing an across-the-board increase
18	(i.e., 14.6%) for its major customer classes in this case.

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

2 A. Yes. At page 63 of the Commission's order in the Company's most 3 recently adjudicated electric rate case (Case No. ER-2011-0028) it states, "Based on its 4 findings of fact and conclusions of law, the Commission decides that Ameren Missouri 5 should eliminate the pole and span charge gradually. To avoid the rate shock that would 6 result from the complete elimination of this charge, the Commission directs Ameren 7 Missouri to initially reduce the monthly pole and span charge by half. The reduced 8 revenue resulting from this reduction in the pole and span charge shall be collected from 9 the entire 5M classification within the lighting class. The Commission will consider the 10 total elimination of the pole and span charge in Ameren Missouri's next rate case." 11 Consistent with this language, the Company is proposing to discontinue these charges in 12 this case with the resulting revenue reduction to be collected from the entire 5M 13 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 14.6%. 15

16 Q. Proposed monthly customer charges for both the Residential and 17 Small General Service Classifications reflect percentage increases larger than the 18 across-the-board percentage increase level proposed for these classes. Please 19 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

1 Missouri has embarked on an energy efficiency and demand response effort to give 2 customers more control over their energy usage and to lower their bills via reduced 3 consumption. Therefore, the Company is proposing larger increases in customer charges 4 and corresponding reductions in the percentage of revenue derived from volumetric or 5 consumption charges for these classes. This proposal reflects cost causation principles 6 (i.e., moves customer charges closer to class cost of service study results), helps to 7 mitigate the negative financial impact on the Company associated with decreased 8 volumetric or energy use, and, at the same time, does not discourage energy efficiency. 9 Shifting more of the classes' revenue requirement to monthly customer charges helps to 10 remove some of the financial disincentive to embark on an energy efficiency campaign, 11 and at the same time affords the Company a more reasonable opportunity to earn a fair 12 rate of return regardless of weather conditions. Excluding the impacts of the Company's 13 current Low Income Pilot Program Charges (i.e., "Keeping Current Program" as 14 discussed in the direct testimony of Ameren Missouri witness Mark Mueller), 15 approximately 91% and 93%, respectively, of the present test year revenues of these 16 classes are collected via current energy or volumetric charges with the remaining 9% and 17 7%, respectively, being collected via customer charges. The proposed customer charges 18 would increase the customer charge contribution to total revenues for the Residential and 19 Small General Service classes to 10% and 7%, respectively.

20

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. 1 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 $\underline{\partial}, \underline{5}$ pages and Schedules WLC-E<u>1</u> through WLC-E<u>7</u>, 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

Mary Hoyt - Notary Public Notary Seal, State of Missouri - Jefferson County Commission #10397820 Commission Expires 4/11/201

Subscribed and sworn to before me this $\mathcal{L}_{\mathcal{L}}^{\mathcal{W}}$ day of February, 2012.

Notar

My commission expires: 4-11-2014

UNION ELECTRIC COMPANY ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO	·•	40th Revised	· · · · · · · · · · · · · · · · · · ·
CANCELLING MO.P.S.C. SCHEDULE NO		39th Revised	SHEET NO. 28
PLYING TOMI	SSOURI SEF	VICE AREA	
		CATION NO. 1(M) SERVICE RATE	
Rate Based on Monthly Meter Re	eadings		
<u>Summer Rate</u> (Applicable periods o		monthly billing ugh September)	
Customer Charge -	per month		\$12.00
Low-Income Pilot H	rogram Chai	rge - per month	\$0.03
Energy Charge - pe	er kWh		11.28¢
Energy Efficiency		arge – per kWh	0.59¢
<u>Winter Rate</u> (Applicable	-	monthly billing	
Customer Charge -			\$12.00
Low-Income Pilot B	-	rge – per month	\$0.03
Energy Charge - pe	5		,
First 750 kWh			8.03¢
Over 750 kWh			5.32¢
Energy Efficiency	Program Cha	arge - per kWh	0.35¢
Optional Time-of-Day Ra	te		
Customer Charge -	per month		\$25.00
Low-Income Pilot B	rogram Chai	rge - per month	\$ 0.03
Energy Charge - pe	er kWh (1)		
Summer (June-Se	eptember bi	lling periods)	
All On	Peak kWh		16.38¢
	Peak kWh		6.71¢
Energy Efficier Winter (October		Charge - per kWh ng periods)	0.59¢
All On	Peak kWh		9.67¢
	Peak kWh		4.78¢
Energy Efficier	ncy Program	Charge - per kWh	0.35¢
		ours applicable herein paragraph A.	shall be as
Fuel and Purchased Power A kilowatt-hours (kWh) of energy	-	(Rider FAC). Applicab	le to all metered
Payments. Bills are due and become delinguent after twenty		thin ten (10) days fro days from date of bill.	
Term of Use. Initial period days' notice.	one (1) y	year, terminable there	after on three (3)
-	axing autho a separate	item to bills rendered	lled hereunder will
* Indicates Change.			
inarcaeco onange.			

DATE OF ISSUE	February 3, 2012	DATE EFFECTIVE	March 4, 2012
ISSUED BY	Warner L. Baxter	President & CEO	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

	MO.P.S.C. SCHEDULE NO. 5	28th	Revised SHEET NO.	32
CANC	ELLING MO.P.S.C. SCHEDULE NO. 5	27th	Revised SHEET NO.	32
PLYING TO	MISSOUR	SERVICE AREA		
	SERVICE CLA	SSIFICATION NO. 2 (M	1)	
		VERAL SERVICE RATE	<u>-</u>	
* <u>Rate</u> Base	d on Monthly Meter Readings	<u>i</u>		
Summe	<u>r Rate</u> (Applicable during periods of June t	g 4 monthly billing		
	Customer Charge - per month	·		
	Single Phase S	ervice	\$14.61	
	Three Phase Se		\$29.24	
	Low-Income Pilot Program Ch	arge - per month	\$0.05	
	Energy Charge - per kWh		10.62¢	
	Energy Efficiency Program (harge - per kWh (3)	0.22¢	
Winte	<u>r Rate</u> (Applicable during periods of Octobe	g 8 monthly billing er through May)		
	Customer Charge - per month		\$14.61	
	Single Phase S Three Phase Se		\$29.24	
	Low-Income Pilot Program Ch		\$29.24	
	Energy Charge - per kWh	large per monen	40.03	
	Base Use		7.91¢	
	Seasonal Use(1)	4.58¢	
	Energy Efficiency Program (harge - per kWh (3)	0.15¢	
Optic	nal Time-of-Day Rate			
	Customer Charge - per month	1		
	Single Phase S		\$29.30	
	Three Phase Se	rvice	\$58.58	
	Low-Income Pilot Program Ch	arge - per month	\$0.05	
	Energy Charge - per kWh (2) Summer (June-Septembe All On Peak kW	r billing periods)	15.76¢	
	All Off Peak k		6,42\$	
	Energy Efficiency Pro			
	Winter (October-May b		(iii (5) 0122+	
	All On Peak kW		10.37¢	
	All Off Peak k	₩h	4.76¢	
	Energy Efficiency Pro	gram Charge - per b	Wh (3) 0.15¢	
(1)	The winter seasonal energy per month <u>and</u> in excess preceding May billing per maximum monthly kWh use dur	of the lesser of lod, or b) October	a) the kWh use during billing period, or c)	th€
(2)	On-peak and Off-peak hour: Rider I, paragraph A.	• •		d in
(3)	Not applicable to customer: Section 393.1075, RSMo.	s that have satisfi	ed the opt-out provision	s of
	Purchased Power Adjustme	nt (Rider FAC).	Applicable to all met	erec
kilowatt-ł	ours (kWh) of energy.			
*Indicates	Change.		· · · · · · · · · · · · · · · · · · ·	
	February 3, 2012	DATE EFFECTIVE	March 4, 2012	
		resident & CEO		

Schedule WLC-E1-2

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULI	ENO. <u>5</u>	31st	Revised	SHEET NO	34
CANCELLING MO.P.S.C. SCHEDULE	NO. <u>5</u>	30th	Revised	SHEET NO	34
PLYING TO	MISSOURI SERVI	CE AREA			
מתס	VICE CLASSIFIC	ΑΨΤΩΝΙΝΟ 3	(M)		
	LARGE GENERAL S				
* <u>Rate Based on Monthly Me</u>					
	licable during iods of June t	_	_		
Customer Charge Low-Income Pilot		e - per mon		\$92.34 \$ 0.50	
Next 200 kWh	per kWh h per kW of Bil h per kW of Bil kWh per kW of	ling Demand		10.33¢ 7.78¢ 5.23¢	
Demand Charge -	per kW of Tota	l Billing D	emand	\$ 4.83	
Energy Efficience	ey Program Char	ge – per kW	h (1)	0.36¢	
	licable during iods of Octobe:				
Customer Charge	-			\$92.34	
Low-Income Pilot		e - per mon	th	\$ 0.50	
Next 200 kWh	n per kW of Bas n per kW of Bas kWh per kW of	e Demand Base Demand		6.52¢ 4.83¢ 3.79¢ 3.79¢	
Demand Charge -	-		emand	\$ 1.79	
Energy Efficienc	-	_		0.21¢	
(1) Not applicable to provisions of Sec	customers tha	t have sati			
Optional Time-of-Day	Adjustments				
Additional Custo	mer Charge - pe	er Month	\$20.30 pe	r month	
Energy Adjustmen	t – per kWh		On-Peak <u>Hours(2)</u>	Off-Peak <u>Hours(2</u>)	
Summer kWh(June Winter kWh(Octo				-0.69¢ -0.21¢	-
(2) On-peak and specified in	off-peak hours Rider I, parag		herein shal	l be as	
<u>Fuel and Purchased Power</u> kilowatt-hours (kWh) of e	<u>Adjustment (Ri</u> nergy.	<u>der FAC)</u> . A	Applicable t	o all meter	red
*Indicates Change.					
ATE OF ISSUE February 3,	2012 1	DATE EFFECTIVE	Marcl	n 4, 2012	
SUED BY Warner L. Baxter	Presiden	t & CEO	St. I	Louis, Miss	our
NAME OF OFFICER	TITI			ADDRESS	

UNION ELECTRIC COMPANY ELECTRIC SERVICE

	MO.P.S.C. SCHEDULE NO. 5	38th Re	vised SHEE	т мо. 37
CANCE	LLING MO.P.S.C. SCHEDULE NO. 5		· · ·	τ NO. 37
PLYING TO		I SERVICE AREA		
	SERVICE CL	ASSIFICATION NO. 4 (M IMARY SERVICE RATE)	
* Rate Bage	ed on Monthly Meter Read			
	<u>r Rate</u> (Applicable	during 4 monthly bi June through Septem		
(Customer Charge – per m		\$311.86	õ
	Low-Income Pilot Progra		\$0.50	1
	Energy Charge – per kWh First 150 kWh per kW Next 200 kWh per kW All Over 350 kWh per	of Billing Demand of Billing Demand	9.90 7.46	¢
I	Demand Charge - per kW	of Total Billing Dem	and \$3.96	,
	Reactive Charge - per k		37.00	¢
1	Energy Efficiency Progr	am Charge - per kWh	(1) 0.40	¢
<u>Winte</u>		during 8 monthly bi October through May	—	
(Customer Charge - per m	onth	\$311.80	5
]	Low-Income Pilot Progra	m Charge - per month	\$0.50	i
]	Base Energy Charge – pe First 150 kWh per kW Next 200 kWh per kW All Over 350 kWh per	of Base Demand of Base Demand	6.24 4.64 3.63	¢
ć	Seasonal Energy Charge	- Seasonal kWh	3.63	¢
	Demand Charge - per kW		and \$1.45	
I	Reactive Charge - per k	Var	37.00	¢
1	Energy Efficiency Progr	am Charge – per kWh	(1) 0.24	¢
	ot applicable to custom rovisions of Section 39		ied the opt-out	
	<u>nal Time-of-Day Adjustm</u> Additional Customer Cha		\$20.30 per montl	n
E	Energy Adjustment - per	kWh		-Peak rs(2)
	Summer kWh(June-Septemb Winter kWh(October-May			.50¢ .18¢
1	(2) On-peak and Off-pe specified within th			be as
<u>Fuel and l</u> kilowatt-ł	Purchased Power Adjustm Nours (kWh) of energy.	<u>ent (Rider FAC)</u> . App	plicable to all n	metered
*Indicates	s Change.			
	February 3, 2012	DATE EFFECTIVE	March 4, 20	12
SUED BY Wa	Irner L. Baxter F	resident & CEO	St. Louis,	Missour

ISSUED BY	Warner L. Baxter	President & CEO	St. Louis, Missouri
-	NAME OF OFFICER	TITLE	ADDRESS

PLYING T	o	MISS	OURI SERVICE	AREA		
	OTTA	•		ION NO. 5(M)		
	STR	EET AND OUTDO	JK AKEA LIGH	TING - COMPF	INT-OWNED	
	per Unit per and Fixture	<u>Month</u>				
Α.	Standard h pole:	orizontal bu	rning, encl	osed lumina	ire on exi	sting woo
	<u>High Pressu</u>	<u>ire Sodium</u>		Mercu	ry Vapor (1	<u>)</u>
	Lumens			Lumen		=
	9,500			6,80		
	25,500 50,000	•				
	50,000	\$31.41		108,00	0 \$31.4 0 \$62.8	
в.	Standard s wood pole:	ide mounted,	hood with c	pen bottom	glassware d	on existing
	<u>High Pressu</u>	ire Sodium		Mercu	ry Vapor (1)
	Lumens			• • • • •	<u>s Rate</u>	
		\$ 9.87			0 \$ 9.8	
	9,500	\$10.78		6,80	0 \$10.7	8
Ċ.	Standard po	st-top lumina	ire includi	ng standard	17-foot pos	t:
	<u>High Pressu</u>	re Sodium		Mercu	ry Vapor (1)
	Lumens	Rate		Lumen	<u>s Rate</u>	L.
	9,500	\$22.59			0 \$21.3 0 \$22.5	
D	Dolo mounto	d dimention				
D.		d, direction to Company ba		Inalle; IIm	iteu to m	Stallation
	<u>High Pressu</u>	re Sodium	Metal 1	<u>Halide</u>	Mercury Va	apor (1)
	Lumens	Rate	Lumens	Rate	Lumens	Rate
	25,500 50,000	\$22.36 \$35.37	34,000 100,000	\$22.36 \$70.70	20,000 54,000	\$22.36 \$35.37
	-				-	·
	under will c	y Vapor lamps contracts ini ontinue to ma	tiated prion aintain thes	to Septemb se lamps and	er 27, 1988	B. Company
	parts a	are economica	lly availabl	e.		

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ISSUED BY	Warner L. Baxter	President & CEO	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

UNION ELECTRIC COMPANY	ELECTRIC SERVICE

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	MO.P.S.C. SCHEDULE NO. 5	27th Revised	SHEET NO. 40
	CANCELLING MO.P.S.C. SCHEDULE NO. 5	26th Revised	SHEET NO. 40
PPLYING T	0 MISSOURI SEI	RVICE AREA	
	SERVICE CLASSIF	ICATION NO. 5(M) FING - COMPANY-OWNED (Co	nt'd.)
* Е.	All poles and cable, where requ The installation of all standa in advance by customer, with facilities provided by Company.	rd poles and cables sha all subsequent replace	ll be paid for
F.	Incandescent lamps provided September 30, 1963, which fa Company after June 30, 1981:		
	Lamp and Fixture 1,000 Lumens 2,500 " 4,000 " 6,000 " 10,000 "	*Per U <u>Monthly</u> \$11.6 15.7 18.1 20.2 27.4	<u>7 Rate</u> 59 77 19 20
*Indi	icates Change.		
ATE OF IS:	SUE February 3, 2012	DATE EFFECTIVE Mare	ch 4, 2012

ISSUED BY	Warner L. Baxter	President & CEO	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

	MO.P.S.C.SCHEDUI	.e no. 5	33rd Revise	ed SHEET NO.	41
(CANCELLING MO.P.S.C. SCHEDU	<u> </u>	32nd Revise		
PLYING TO		MISSOURI SERVIC	e area	•••••••••••••••••••••••••••••••	
	STREET AND OUTDO	RVICE CLASSIFICAT	<u>'ION NO. 5 (M)</u> - COMPANY-OWNE	D (Cont'd.)	
G.	Former Subsidiary initiated prior t maintained by Com present stock:	o April 9, 1986	, which facili	ties will only	be
	11,000 Lumens, M 11,000 Lumens, M 42,000 Lumens, M 16,000 Lumens, H 34,200 Lumens, H 140,000 Lumens, H	ercury Vapor, Pos ercury Vapor, Ope ercury Vapor, Hor ercury Vapor, Hor .P. Sodium, Horiz .P. Sodium, Direc .P. Sodium, Direc etal Halide, Direc	n Bottom izontal Enclose izontal Enclose ontal Enclosed tional(2) tional		AN
	(2) This lamp rep lamp.				iun
	<u>of Contract</u> . Min: ties are installe led.				
applie rates has ar above Therea condit electr Compar	ant for Franchised ad to bills render and currently cont ordinance granted discount shall of fter, the above of fions are met: fic franchise must ay must have a co ang service provide	ed for lighting cracted for by mu l electric franch: only apply for discount shall ap 1) any initial be for a minimum ntract for all 1	facilities serv nicipalities wi ise as of Septer the duration of oply only when or subsequent term of twenty lighting facili	ed under the ab th whom the Comp mber 27, 1988. of said franchi the following ordinance gran (20) years and	ove any The se. two ted 2)
simila hereur	ljustment. Any l ar charge or tax le ader will be so d red to customers un	evied by any taxi esignated and ad	ng authority on ded as a separ	the amounts bil rate item to bi	led
*Indic	ates Change.				

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

CANCELLING MO.P.S.C. SCHEDULE NO. 5	<u> </u>	SHEET NO4
LYING TO MISSOURI SE	RVICE AREA	
STREET AND OUTDOOR AREA	FICATION NO. 6(M) LIGHTING - CUSTOMER-OWN	VED
*Monthly Rate For Metered Service		
Customer Charge Per Meter		per month
Energy Charge	4.460	\$ per kWh
*Rate Per Unit Per Month For Unmetere	ed Service	
Customer Charge per account	\$6.60	per month
H.P. Sodium B	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	<u>(3)</u>	
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 furnis	sh electric energy, fur	nish and replace
lamps, and adjust a	and replace control mech	nanisms, as
required.		
-	erved under contracts in	nitiated prior
to September 27, 19		
-	os and fixtures limited	
	acts prior to November 1	15, 1991.
N/A Not Available.		
Term of Contract. One (1) year, term	ninable thereafter on th	aree (3) davs!
notice.		nee (5) duyb
Discount For Franchised Municipal	Customers. A 10% di	scount will be
applied to bills rendered for lighti		
rates and currently contracted for by		
has an ordinance granted electric fra		
above discount shall only apply for		
Thereafter, the above discount shall		
	ial or subsequent or	
electric franchise must be for a min		-
Company must have a contract for a lighting service provided by Company		s for municipal
*Indicates Change.		
matoacco onango.		

 DATE OF ISSUE
 February 3, 2012
 DATE EFFECTIVE
 March 4, 2012

 ISSUED BY
 Warner L. Baxter
 President & CEO
 St. Louis, Missouri

 NAME OF OFFICER
 TITLE
 ADDRESS
MO.P.S.C. SCHEDULE NO.	5		28th Revi	sed	SHEET NO	50
CANCELLING MO.P.S.C. SCHEDULE NO.	5		27th Revi	sed	SHEET NO	50
PPLYING TO MIS	SOURI SE	RVICE ARE	A			
SERVI	CE CLASSI	CATION N	D. 7(M)			
MUNICIPAL				<u>NT</u>		
RAT	E OF LIMIT	TED APPLIC	ATION			
*Rate per Lamp per Month		т	ncandescer	ht-		
	1,000	2,500	4,000	6,000	10,000	
	Lumen	Lumen	Lumen	Lumen	Lumen	
<u>Wood Pole Rates</u>	\$4.48	\$6.82	\$9.29	\$12.35	\$16.91	
Ornamental Pole. Add \$7.35 per	r month pe	r nole to	above Woo	d Pole Rat	es.	
<u>ormanentar rore</u> . nad erios pe	e monen pe	I POIG GO		u 1010 1000		
* Customer-Owned Street Lighting 1	Facilities	. Where d	customer f	urnishes,	installs	and
owns all street lighting facili	ties, serv	vice will b	ce supplie	d as follo	WS:	
For Metered Service:						
Customer Charge per Meter	•		\$15.	36 per mon	ıth	
1) Secondary Service			-	48¢ per kW		
2) Primary Service - Ride	er C shall	be applie		TOP per An		
-				abdres com	inmant ma	
Customer shall install s loop, space and mounting						ter
Tax Adjustment. Any license, charge or tax levied by any tax be so designated and added as a the jurisdiction of the taxing a	xing autho separate	ority on t item to b	he amount	s billed h	ereunder w	ill
Payments. Bills are due and pay	yable with	in ten (1)) days fr	om date of	bill.	
<u>Term of Contract</u> . Ten (10) year for all of an initial or success agreement for the maximum peri- and said agreement will cont: periods unless terminated by e sixty (60) days prior to any and	ding ten-y od for wh inue in s ither par	vear contr ich it is force the ty by wri	act term a legally reafter f tten noti	t one time authorized or success	, may sign to contra sive one-y	an Ict, Year
*Indicates Change.						
TE OF ISSUE February 3, 201	2	DATE EFFE	CTWE	March	4, 2012	
TENTUALY J/ 20.	<i>د</i>	NATE EFFE	VIIVE	naton	1 2012	

ISSUED BY	Warner L. Baxter	President & CEO	St. Louis, Missouri
-	NAME OF OFFICER	TITLE	ADDRESS

SERVICE CLASSIFICATION NO. 11(M) LARGE PRIMARY SERVICE RATE	MO.P.S.C. SCHEDULE NO. 5	15th	Revised	SHEET NO.	67.	
SERVICE CLASSIFICATION No. 11 (M) LARGE FRIMARY SERVICE RATE Rate Rased 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 \$30.00 Energy Charge - per kWh 3.27¢ Demand Charge - per kW of Billing Demand \$19.54 Reactive Charge - per kWar 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 kWh 2.89¢ Demand Charge - per kW of Billing Demand \$8.88 Reactive Charge - per kWh 2.89¢ Demand Charge - per kW of Billing Demand \$8.88 Reactive Charge - per kWar 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 Off-Peak Moura(2) Koura(2)	CANCELLING MO.P.S.C.SCHEDULE NO. 5	14th	Revised	SHEET NO.	67.	
IANGE FRIMMARY 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 Filot Program Charge - per month \$311.86 Low-Income Filot Program Charge - per month \$311.86 Reactive Charge - per kWh 3.274 Demand Charge - per kWa \$19.54 Reactive Charge - per kWar \$7.000 Energy Efficiency Program Charge - per kWh (1) 0.386 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 \$300.00 Energy Charge - per kWh 2.894 Demand Charge - per kWh 2.894 Demand Charge - per kWh 2.894 Demand Charge - per kWh 0.244 (1) Not applicable to customers that have satisfied the opt-out provisions of Section 393.1075, RSMO. Optional Time-of-Day Adjustments Moditional Customer Charge - per month \$20.30 per month Energy Adjustment - per kWh On-Peak Mours(2) Hours(2) Summer kWh (June-September billing periods) +0.632	PPLYING TO MISSOURI SE	RVICE AREA				
Rate Based on Monthly Meter Readings Summer Rate (Applicable during 4 monthly billing periods of June through September) Customor Charge - per month \$311.86 Low-Income Pilot Program Charge - per month \$50.00 Energy Charge - per kW of Billing Demand \$19.54 Demand Charge - per kW of Billing Demand \$19.54 Reactive Charge - per kW of Billing Demand \$19.54 Reactive Charge - per kW of Billing Demand \$19.54 Reactive Charge - per kW of Billing Demand \$19.54 Minter 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 kW 2.896 Demand Charge - per kW \$8.68 Reactive Charge - per kVar \$7.006 Energy Efficiency Program Charge - per kWh (1) 0.244 (1) Not applicable to customers that have satisfied the opt-out provisions of Section 393.1075, RSMo. Optional Time-of-Day Adjustments Mditional Customer Charge - per month Energy Adjustment - per kWh 0.636 -0.356 Winter kWh (Outober-May billing periods) 40.234 -0.156 (2) On-peak and off-peak hours ap	SERVICE CLASSIFICATION NO. 11(M)					
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Reactive Charge - per kVar 37.00¢ Energy Efficiency Program Charge - per kWh (1) 0.30¢ 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 kWa 2.89¢ Demand Charge - per kWar 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 33.1075, RSMO. 20.30 per month Energy Adjustment - per kWh On-Peak Off-Peak Mditional Customer Charge - per month \$20.30 per month Energy Adjustment - per kWh On-Peak 0ff-Peak Munter KWh (June-September billing periods) +0.63¢ -0.35¢ Winter kWh (June-September billing periods) +0.63¢ -0.15¢ (2) On-peak and off-peak hours applicable herein shall be as specified within this service classification. Payments. Fuel and Purchased Power Adjustment (Rider FAC). Applicable to all metered kilowatt-hours (RMh) 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. </td <td>Energy Charge - per kWh</td> <td></td> <td>3</td> <td>.27¢</td> <td></td>	Energy Charge - per kWh		3	.27¢		
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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 kW of Billing Demand \$8.88 Reactive Charge - per kW of Billing Demand \$8.88 Reactive Charge - per kWar 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 Off-Peak Hours(2) Hours(2) 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.	Energy Efficiency Program Charge	- per kWh (1)	0	.38¢		
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Demand Charge - per kW of Billing Demand \$8.88 Reactive Charge - per kWar 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. 0ptional Time-of-Day Adjustments Additional Customer Charge - per month \$20.30 per month Energy Adjustment - per kWh On-Peak Off-Peak Hours(2) Hours(2) 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.	Low-Income Pilot Program Charge -	- per month	\$50	.00		
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 Off-Peak Hours(2) Hours(2) 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.	Energy Charge - per kWh		2	.89¢		
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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. <u>Fuel and Purchased Power Adjustment (Rider FAC)</u> . Applicable to all metered kilowatt-hours (kWh) of energy. <u>Payments</u> . 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. <u>Term of Use</u> . One (1) year, terminable thereafter on three (3) days' notice. <u>Tax Adjustment</u> . 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.	Energy Adjustment - per kWh					
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 (2) On-peak and off-peak hours applicable herein shall be as specified within this service classification. <u>Fuel and Purchased Power Adjustment (Rider FAC)</u>. Applicable to all metered kilowatt-hours (kWh) of energy. <u>Payments</u>. 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. <u>Term of Use</u>. One (1) year, terminable thereafter on three (3) days' notice. <u>Tax Adjustment</u>. 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. 						
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.	(2) On-peak and off-peak hours	applicable her			fied	
become delinquent after twenty-one (21) days from date of bill. <u>Term of Use</u> . One (1) year, terminable thereafter on three (3) days' notice. <u>Tax Adjustment</u> . 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.		<u>er FAC)</u> . Applic	able to all me	etered		
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.			-	of bill and	ŧ	
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.	<u>Term of Use</u> . One (1) year, terminable t	hereafter on th	ree (3) days'	notice.		
*Indicates Change.	charge or tax levied by any taxing authors be so designated and added as a separate	ority on the am item to bills	ounts billed	hereunder (vill	
	*Indicates Change.					

ISSUED BY	Warner L. Baxter	President & CEO	St. Louis, Missouri
_	NAME OF OFFICER	TITLE	ADDRESS

	MO.P.S.C. SCHEDULE NO. 5	10th Rev	vised SHEET NO.	67.4
	CANCELLING MO.P.S.C.SCHEDULE NO. 5	9th Rev	vised SHEET NO.	67.4
PLYING TO	MISSOURI SERVICE A	AREA		
	MTCOPTIANDONO ON	ADCEC		
	MISCELLANEOUS CH	AKGES		
Α.	Reconnection Charges per Connection P	oint		
	Sheet No. 106, Par. B-3 (Annually Rec Sheet No. 184, Par. I (Reconnection o	-		
'В.	Supplementary Service Minimum Monthly	Charges		
	Sheet No. 103, Par. C-3			
	Charges applicable during 4 monthly billing periods of June through Septe	mber Pr	imary Service Rate	
	Customer Charge per month, plus Low-Income Pilot Program Charge - per All kW @	month	\$311.86 \$50.00 \$19.54	
	Charges applicable during 8 monthly billing periods of October through Ma	<u>y</u> <u>Pr</u>	imary Service Rate	
	Customer Charge per month, plus Low-Income Pilot Program Charge - per All kW 0	month	\$311.86 \$50.00 \$8.88	
C.	Service Call Charge. Customer's rep charged a \$50.00 fee for a service problem is within the customer's elec	call, if	it is determined	
simila hereu	<u>djustment</u> . Any license, franchise, ar charge or tax levied by any taxing nder will be so designated and adde red to customers under the jurisdictio	authority d as a se	on the amounts bil eparate item to bi	led
*Indio	cates Change.			
		TEFOTUE	March 4, 2012	
	JE February 3, 2012 DATEE			

UNION ELECTRIC COMPANY	ELECTRIC SERVICE

	SCHEDULE NO. <u>5</u>	15th Revi		
PLYING TO			<u>.seu</u> s	HEET NO0
		ICATION NO. 12(M) SION SERVICE RATE		
* Rate Based on Mont	hly Meter Readings			
	Applicable during periods of June th		billing	
Customer Ch	arge - per month		\$311.86	
Low~Income	Pilot Program Char	ge - per month	\$1,500.00	
Demand Char	ge – per kW of Bil	ling Demand	\$15.37	
Energy Char	ge - per kWh		2.918¢	:
Reactive Ch	arge - per kVar		37.000¢	<u>.</u>
	Applicable during periods of October		billing	
Customer Ch	arge - per month		\$311.86	
Low-Income	Pilot Program Char	ge - per month	\$1,500.00	
Demand Char	ge - per kW of Bil	ling Demand	\$5.87	
Energy Char	ge - per kWh		2.569¢	:
Reactive Ch	arge - per kVar		37.000¢	:
Optional Time-o	f-Day Adjustments			
Additional	Customer Charge -	per month	\$20.30	
Energy Adjı	astment - per kWh		On-Peak Hours(1)	Off-Peak Hours(1)
	∛h (June-September Wh (October-May Bi	_	+0.68¢ +0.31¢	-0,38¢ -0,16¢
	and off-peak hour ed within this ser			as
Fuel and Purchased	Power Adjustment	(Rider FAC) Appl	icable to al] metered
kilowatt-hours (kW		<u></u>		
* Indicates Change.				
ATE OF ISSUE Febru	ary 3, 2012	DATE EFFECTIVE	March 4,	2012

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ELECTRIC SERVICE

MO. P. S. C. SCHEDULE NO.	5	5th	Revised	_ SHEET NO	68.1

CANCELLING MO. P.S.C. SCHEDULE NO. 5 <u>4th Revised</u> SHEET NO. 68.1

APPLYING TO

MISSOURI SERVICE AREA

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. Transmission Service Requirements. Company's obligation to 1. 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.

DATE OF ISSUE	February 3, 201	DATE EFFECTIVE	March 4, 2012
ISSUED BY	Warner L. Baxter	President & CEO	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	5	2nd Revised	SHEET NO.	98.1
CANCELLING MO.P.S.C. SCHEDULE NO.	5	1st Revised	SHEET NO.	98.1
PPLYING TO MISS	OURI SERVICE AREA	<u>A</u>		
<u>RIDER FAC</u> 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 ki customers served by the Compan 2(M), 3(M), 4(M), 5(M), 6(M),	y under Service	Classification N		
Costs passed through this Fuel reflect differences between ac including transportation, net Actual Net Fuel Costs) and Net below), calculated and recover	tual fuel and pu of Off-System Sa Base Fuel Costs	rchased power co les Revenues (OS (factor NBFC, a	sts, SR) (i.e.,	
The Accumulation Periods and R following table:	ecovery Periods	are as set forth	in the	
Accumulation Period (AP)	Filing Date	Recovery Per	riod (RP)	
February through May June through September October through January	By August 1 By December 1 By April 1	October thr February throug June through	gh Septemb	er
Accumulation Period (AP) means fuel and purchased power costs all kWh of energy supplied to	, including tran	sportation, net	of OSSR fo	
Recovery Period (RP) means the table during which the differe an Accumulation Period and NBF customer billings on a per kWh level.	nce between the . C are applied to	Actual Net Fuel and recovered t	Costs duri hrough ret	
The Company will make a Fuel a each Filing Date. The new FPA applicable starting with the R Filing Date. All FPA filings supporting the filing in an el	rates for which ecovery Period t shall be accompa	the filing is m hat begins follo nied by detailed	ade will h wing the workpapen)e
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:				
NATE OF ISSUE February 3, 2012	DATE EFFEC	TIVE March	4, 2012	
SSUED BY <u>Warner L. Baxter</u> NAME OF OFFICER	President & CEC THLE) St. Lo	uis, Misse ADDRESS	ouri

Schedule WLC-E1-14

MO.P.S.C. SCHEDULE NO.	5	2nd Revised	SHEET NO. 98.2	
CANCELLING MO.P.S.C. SCHEDULE NO.	5	1st Revised		
APPLYING TO MIS	SOURI SERVICE AREA	A		
<u>RIDER FAC</u> <u>FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)</u> Applicable To Service Provided On The Effective Date Of This Tariff And Thereafter				
** FPA _(RP) = [[(CF+CPP~O	SSR) - (NBFC x S _{AP})]x 95% + I + R -	N]/S _{RP}	
The FPA rate, which will be m factors set forth below, appl Period is calculated as:				
$FPA_{C} = H$	$PPA_{(RP)} + FPA_{(RP-1)} +$	FPA _(RP-2)		
Effective with the Company's	April 1, 2012 fil	ing, FPA _c shall b	e revised	
to: FP: where:	$A_{C} = FPA_{(RP)} + FPA_{(RP)}$	(P-1)		
FPA _c = Fuel and Purcha with the Recover Date.	sed Power Adjustma ry Period followin			
	riod rate componen ection during the the applicable Fi	Accumulation Per		
$FPA_{(RP-1)} = FPA Recovery Pet calculation, if$		nt from prior FPA	R₽	
$FPA_{(RP-2)} = FPA Recovery Perprise FPA_{(RP-2)}$		nt from FPA _{RP} calc	ulation	
operations, inc.	rred to support sa Sales allocated to luding transportat ating plants. The	o Missouri retail tion, associated v	electric with the	
a) For fossi	l fuel or hydroel	ectric 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.				
DATE OF ISSUE February 3, 201	2 DATE EFFEC	CTIVE March	4, 2012	

ISSUED BY	Warner L. Baxter	President & CEO	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

UNION	ELECTRIC	COMPANY
0111011	LECONNO	

M	O.P.S.C. SCHEDULE NO. 5	2nd Revised	SHEET NO98,3
CANCELLING M	O.P.S.C. SCHEDULE NO. 5	1st Revised	SHEET NO98,3
	MISSOURI SERVIO	CE AREA	
	RIDER F L AND PURCHASED POWER ADJU Service Provided On The Effec	USTMENT CLAUSE (CONT'I	
	calls, caps, floors, associated with SO2 a in commodity and tran commissions and fees costs, ash disposal a	imitation, futures con collars, and swaps), and fuel oil adjustmen nsportation costs, bro associated with price revenues and expenses, ng from fuel and trans on activities; and	hedging costs ots included oker e hedges, oil , and revenues
	Control System (AQCS)	costs reflected in FEF ble costs related to 7) operation, such as w activated carbon; and	Air Quality Area,
	Number 547: natural commodity, oil, trans reservation charges, revenues and expenses	costs reflected in FEF gas generation costs sportation, storage, of fuel losses, hedging s resulting from fuel olio optimization acti	related to capacity costs, and and
	(iv) costs and rever allowances.	nues for SO_2 and NO_x em	ission
	b) Costs in FERC Account Expense).	t Number 518 (Nuclear	Fuel
5 u c c c c c c c c c c c c c c c c c c	Costs of purchased power re 555, 565, and 575, excludin under MISO Schedules 10, 10 capacity charges for contra (1) year, incurred to suppo customers and Off-System Sa electric operations. Also are insurance premiums in b replacement power insurance not reflected in base rates insurance premiums from the shall increase or decrease additionally, costs of purch expected replacement power issets under Generally Acce	ng MISO administrative 6, 17, and 24, and exc acts with terms in exc ort sales to all Misso ales allocated to Miss included in factor "O FERC Account Number 92 e to the extent those s. Changes in replace e level reflected in h purchased power costs chased power will be n insurance recoveries	e fees arising cluding cess of one ouri retail couri retail cPP" 24 for premiums are ement power case rates 5. ceduced by qualifying as
OSSR = A	all revenues in FERC Accour	nt 447.	
* Indicates Add	dition.		

ISSUED BY	Warner L. Baxter	President & CEO	St. Louis, Missouri
-	NAME OF OFFICER	TITLE	ADDRESS

	MO.P.S.C. SCHEDULI			Revised	SHEET NO98 .
	LLING MO.P.S.C. SCHEDULI			Revised	SHEET NO98 .
PPLYING TO		MISSOURI SERV	ICE AREA		
Applicabl	FUEL AND PURC e To Service Prov	RIDER HASED POWER AD ided On The Effe	JUSTMENT CL		
*	* Adjustment For Determinants:	Reduction of	Service Cla	ssification	12(M) Billing
	Should the leve Classification monthly billing 0166 an adjust following leve	12(M) fall be g determinants ment to OSSR s	low the lev as establi	el of normal shed in Case	ized 12(M) No. ER-2012-
	a) A reductior - No adju	n of less than stment will be			ven month
	energy	n of 40,000,00 System Sales sold off-syste uded from OSSI	revenues de em due to th	erived from a	all kWh of
* * N	sale of power level of 12 above) excee	e amount by wh n Period, (a) er made possib (M) sales (as eds (b) the re ed 12(M) reven	revenues de le as a res addressed i duction of	rived from t ult of reduc n the defini 12(M) revenu	he off-system tions in the tion of OSSR les compared
** I	Missouri ret those costs reviews (a) or over-reco FAC, as deto (a portion of monthly at a paid on the	plicable to (i and NBFC for tail customers have been rec portion of fac overy balances ermined in the of factor R, b a rate equal t Company's sho of items (i)	all kWh of during an a overed; (ii tor R, below created th true-up fi elow). Into o the weigh ert-term deb	energy suppl Accumulation) refunds du w); and (iii rough operat lings provid erest shall ted average t, applied t	ied to Period until te to prudence) all under- ion of this ted for herein be calculated interest rate o the month-
** Indica	tes Change.				

ISSUED BY	Warner L. Baxter	President & CEO	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

MO.P.S.C. SCHEDULE NO.	5	2n	d Revised	SHEET NO.	98.5
CANCELLING MO.P.S.C. SCHEDULE NO.	5	1s	t Revised	SHEET NO.	98.5
APPLYING TO MIS:	SOURI SER	VICE AREA	· · · · · · · · · · · · · · · · · · ·		
FUEL AND PURCHASE Applicable To Service Provided		DJUSTMENT C			fter
R = Under/over recor Recovery Periods adjustments, and the Commission, other disallowar defined in item	s as dete d modific as a res nces and	rmined for ations due ult of requ	the FAC tru to adjustme ired pruder	le-up ents ordered lice reviews o	by
$S_{AP} = kWh during the Mapplicable Filincomponent of the(AMMO.UE or succethe kWh of energyOSSR adjustment$	ng Date, e Company cessor no gy sold o	as measured 's load set de), plus t	by taking tled at its he kWh redu	the retail MISO CP noo Actions up to	le o
S_{RP} = Applicable Recor expected retail its MISO CP node FPA _{RP} to be bill	componen e (AMMO.U	t of the Co	mpany's loa	nd settled at	
<pre>**NBFC = Net Base Fuel Cd Commission's ord sum of allowable plus cost of put less revenues ff OSSR), expressed from the net out to determine Net Company's retail through Septembe 1.529 cents per through May cale cents per kWh.</pre>	der as the e fuel co- cchased per com off-s d in cent tput calco t Base Fue l rates. er calenda kWh. The	e normalize sts (consis ower (consi ystem sales s per kWh, ulation in el Costs, a The NBFC r ar months (e NBFC rate	d test year tent with t stent with (consister based on th the fuel ru s included ate applica "Summer NBF applicable	value for t the term CF), the term CPF at with the t a vith the t a used in pa in the ble to June C Rate") is to October	?), term
**To determine the FPA rates ap Classifications, the FPA _c rate will be multiplied by the fol	e determi	ned in acco	rdance with	n the foregoi	ng
Secondary Voltage Servi Primary Voltage Service Large Transmission Volt	age Servi		1.057 1.025 0.991	2 7	
The FPA rates applicable to t rounded to the nearest 0.001 each applicable kWh billed.					
** Indicates Change.					
DATE OF ISSUE February 3, 201	2	DATE EFFECTIVE	Ma	rch 4, 2012	

ISSUED BY	Warner L. Baxter	President & CEO	<u>St. Louis, Missouri</u>
	NAME OF OFFICER	TITLE	ADDRESS

UNION ELECTRIC COMPANY ELECT

PLYING TO	MISSOURI SERVI	ICE AREA	SHEET NO98 .
·			
	RIDER FUEL AND PURCHASED POWER ADJ		D.)
Applicabl	e To Service Provided On The Effe		
TRUE-UP O	F FAC		
After com	pletion of each Recovery Perio	d, the Company will ma	ke a true-up
	conjunction with an adjustmen made on the same day as the fi		
	djustments or refunds shall be		
shall inc	lude interest calculated as pr	ovided for in item I a	bove.
The true-	up adjustments shall be the di	fference between the r	evenues billed
and the r	evenues authorized for collect	ion during the Recover	y Period.
GENERAL R	ATE CASE/PRUDENCE REVIEWS		
	wing shall apply to this Fuel	and Purchased Power Ad	justment
Clause, i	n accordance with Section 386.	266.4, RSMo. and appli	cable Missouri
	rvice Commission Rules governi ed under Section 386.266, RSMo		nanisms
	ny shall file a general rate c be no later than four years af		
	rvice Commission order impleme		
	Power Adjustment Clause. The include any periods in which		
	g any charges under this Fuel		
	r any period for which charges		
	ent a court determines that th t Clause is unlawful and all m		
refunded,	the Company shall be relieved	of the obligation und	er this Fuel
and Purch	ased Power Adjustment Clause t	o file such a rate cas	e.
	reviews of the costs subject t		
	t Clause shall occur no less f nd any such costs which are de		
Service C	ommission to have been imprude	ntly incurred or incur	red in
	of the terms of this rider sh at a rate equal to the weighte		
	short-term debt.	a arozago zneozece zac	e para en ene

ISSUED BY	Warner L. Baxter	President & CEO	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

MO.P.S.C. SCHEDULE NO. 5	2nd Re	vised SH	HEET NO.	98.8
CANCELLING MO.P.S.C. SCHEDULE NO. 5	lst Re	visedS	HEET NO.	98.8
APPLYING TO MISSOURI SI	RVICE AREA			
<u>RID</u> <u>FUEL AND PURCHASED 1</u> **(Applicable To Service Provided Bo		and a state of the second s	2011)	
APPLICABILITY				
This rider is applicable to kilowatt customers served by the Company unde 2(M), 3(M), 4(M), 5(M), 6(M), 7(M),	r Service Classif	fication Nos.		
Costs passed through this Fuel and P reflect differences between actual f including transportation, net of Off Actual Net Fuel Costs) and Net Base below), calculated and recovered as	uel and purchased -System Sales Rev Fuel Costs (facto	d power costs, venues (OSSR) or NBFC, as de	(i.e.,	
The Accumulation Periods and Recover following table:	y Periods are as	set forth in	the	
February through May By Au June through September By Dec	gust 1 Octol ember 1 Febr	ecovery Period ber through Se cuary through June through	eptembe Januar	
Accumulation Period (AP) means the h fuel and purchased power costs, incl all kWh of energy supplied to Missou	uding transportat	tion, net of C	SSR fo	
Recovery Period (RP) means the billi table during which the difference be an Accumulation Period and NBFC are customer billings on a per kWh basis level.	tween the Actual applied to and re	Net Fuel Cost ecovered throu	s duri gh ret	
The Company will make a Fuel and Pur each Filing Date. The new FPA rates applicable starting with the Recover Filing Date. All FPA filings shall supporting the filing in an electron	for which the fi y Period that beg be accompanied by	iling is made gins following y detailed wor	will b the kpaper	e
FPA DETERMINATION				
Ninety five percent (95%) of the dif and NBFC for all kWh of energy suppl the respective Accumulation Periods debit, stated as a separate line ite calculated according to the followin	ied to Missouri n shall be reflecte m on the customen	retail custome ed as an FPA _c	ers dur credit	ing or
For the FPA filing made by each Fili starting with the Recovery Period fo recover fuel and purchased power cos OSSR, to the extent they vary from N below, during the recently-completed	llowing the appli ts, including tra et Base Fuel Cost	icable Filing ansportation, ts (NBFC), as	Date, net of define	d
**Indicates Change.				
DATE OF ISSUE February 3, 2012	DATE EFFECTIVE	March 4,	2012	
SSUED BY <u>Warner L. Baxter</u> Pres: NAME OF OFFICER	dent & CEO	St. Louis, ADI	Misso DRESS	ouri

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'LYING T	0	_	MISSOURI SERVIC	E AREA		
	** (Appl		RIDER FA UEL AND PURCHASED POWER ADJU ble To Service Provided Betweer	STMENT CLAU		
1	PPA (RP)		[(CF+CPP-OSSR-TS-S-W) - (NB	FC x S _{AP})]x	958 + I +	R - N]/S _{RP}
facto	ors set	; f	which will be multiplied by orth below, applicable start culated as:			
			$FPA_{C} = FPA_{(RP)} + FPA_{(RP)}$	(P-1) + FPA(RP-	2)	
where	e:					
E	'PA _C	=	Fuel and Purchased Power Adjuith the Recovery Period for Date.			
ł	'PA _{RP}	=	FPA Recovery Period rate con under/over collection during ended prior to the applicable	g the Accum	lation Pe	
E	'PA _(RP-1)	=	FPA Recovery Period rate con calculation, if any.	nponent from	n prior FI	PARP
E	'PA _(RP-2)	=	FPA Recovery Period rate conprior to $FPA_{(RP-1)}$, if any.	nponent from	n FPA _{RP} ca	lculation
С	F	=	Fuel costs incurred to support and Off-System Sales allocat operations, including transp Company's generating plants following:	ed to Misso portation, a	uri retai ssociated	l electric With the
			a) For fossil fuel or hydrogeneity	droelectric	plants:	
			(i) the following Regulatory Commission commodity, applicable fuel additives, Btu ad suppliers, quality adj content of coal assess revenues for SO ₂ and N transportation, switch railcar repair and ins depreciation, railcar associated with other transportation, fuel I factor CF, hedging is costs minus realized of volatility in the Comp power, including but n of futures, options an including, without lin calls, caps, floors, o associated with SO2 an	(FERC) Acco taxes, gas, djustments a justments re- sed by coal O _x emission ning and dem spection cos lease costs applicable nedging cost defined as gains associ- bany's cost not limited nd over-the- mitation, fu	ount Number alternat assessed b elated to suppliers allowance aurrage ch ets, railed ats, similar modes of as (for pur realized ated with of fuel a to, the C counter contures con	er 501: coal cive fuels, by coal the sulfur s, costs and s, railroad arges, car costs erposes of losses and mitigating and purchased company's use derivatives atracts, puts
** II	ndicate	es	Change.			

ISSUED BY	Warner L. Baxter	President & CEO	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

MO.P.S.C	. SCHEDULE NO. 5	2nd Revised	SHEET NO. 98,10		
CANCELLING MO.P.S.C	. SCHEDULE NO. 5	1st Revised	SHEET NO. 98.10		
APPLYING TO	MISSOURI SER	VICE AREA			
		<u>FAC</u> DJUSTMENT CLAUSE (CON Ween June 21, 2010 And J			
	costs, broker comm price hedges, oil e expenses, and rever	ed in commodity and t issions and fees asso costs, ash disposal r nues and expenses res portfolio optimizatio	ciated with evenues and ulting from fuel		
	Number 547: natura commodity, oil, tra reservation charges revenues and expense	ing costs reflected in al gas generation cos ansportation, storage s, fuel losses, hedgin ses resulting from fu- tfolio optimization a	ts related to , capacity ng costs, and el and		
b)	Costs in FERC Acco Expense).	unt Number 518 (Nucle	ar Fuel		
555, under capac (1) y custo elect are i repla Sauk base (othe level purch power recov quali Princ the d this repla	565, and 575, exclude MISO Schedules 10, eity charges for con- year, incurred to sup- omers and Off-System incorrections. Al- insurance premiums in accement power insural Plant) to the exten- rates. Changes in a er than those relation reflected in base ased power costs. will be reduced by veries (other than the fying as assets und eiples. Notwithstand late the "TS" factor tariff, the premium	reflected in FERC Ac- ding MISO administrat 16, 17, and 24, and tracts with terms in pport sales to all Mi. Sales allocated to M so included in factor n FERC Account Number nce (other than relat t those premiums are replacement power ins ng to the Taum Sauk P rates shall increase Additionally, costs o expected replacement hose relating to the er Generally Accepted ing the foregoing, con is eliminated as pro s and recoveries relat nce coverage for the s CPP Factor.	<pre>ive fees arising excluding excess of one ssouri retail issouri retail "CPP" 924 for ing to the Taum not reflected in urance premiums lant) from the or decrease f purchased power insurance Taum Sauk Plant) Accounting ncurrently with vided for in ting to</pre>		
opera Off-S (incl exclu parti are a gener	ations. Bystem Sales shall in uding MISO revenues uding Missouri retai. al requirements sale associated with (1) in cating units, (2) poor	Sales allocated to M nclude all sales trans in FERC Account Number I sales and long-term es to Missouri municin AmerenUE Missouri jur. wer purchases made to related transmission	sactions er 447), full and palities, that isdictional serve Missouri		
** Indicates Change	retail load, and (3) any related transmission. ** Indicates Change.				

DATE OF ISSUE	February 3, 2	012 DATE EFFECTIVE	March 4, 2012
ISSUED BY	Warner L. Baxter	President & CEO	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

MO.P.S.C.	SCHEDULE NO. 5	2nd	Revised	SHEET NO.	98.11
CANCELLING MO.P.S.C.	SCHEDULE NO. 5	1st	Revised	SHEET NO.	98.11
APPLYING TO	MISSOURI	SERVICE AREA	· · · · · · · · · · · · · · · · · · ·		
<u>FUEL AN</u> **(Applicable To	D PURCHASED POW	IDER FAC ER ADJUSTMENT C Between June 21,			
Adjustmer Determina		n of Service Cla	assification	n 12(M) Bil	ling
Classific monthly b	cation 12(M) fa billing determined adjustment to 0	thly billing det ll below the lev nants as establ: SSR shall be mad	vel of norma ished in Cas	alized 12(M se No. ER-2) 010-
		than 40,000,000 11 be made to 0		iven month	
- A. St	ll Off-System r	00,000 kWh or gr evenues derived due to the enti SR.	from all k	Wh of energ	
be use Taum S there the ne back i third	ed to reduce ac Gauk, and will d are three each ext rate case of In service. Th	iod value of Tau tual fuel costs be credited in 1 year as shown : r, if sooner, un is value is \$26 , \$8.93 million)	to reflect FPA filings in the table ntil Taum Sa .8 million a	the value (of which above), u auk is plac annually ,	of ntil ed one
of \$3 2010. applie Period prorat	million annual One third of ed to each Accur during which ed according to	iod value of Bla ly, which shall the annual value mulation Period the factor expin the number of t Accumulation N	expire on S e (\$1 millic . For the A ces, the fac days during	September 1 on) shall b Accumulatio ctor shall	, e n be
		or the months, a or "W" expires o			June
Accumu sale o level above)	lation Period, f power made po of 12(M) sales exceeds (b) th malized 12(M)	by which, over t (a) revenues de ossible as a res (as addressed in the reduction of revenues as dete	erived from sult of redu n the defin 12(M) reven	the off-sy actions in attion of O aues compar	the SSR ed
Fuel C "W") a retail costs review	costs (adjusted and NBFC for all customers dur have been reco	to (i) the diffe for Taum Sauk, kWh of energy ing an Accumulat vered; (ii) refu f factor R, belo	factor "S", supplied to tion Period ands due to	and facto Missouri until thos prudence	r
** Indicates Change					
DATE OF ISSUE Februa	ary 3, 2012	DATE EFFECTIVE	Mar	ch 4, 2012	

ISSUED BY	Warner L. Baxter	President & CEO	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

	MO.P.S.C. SCHEDULE NO. 5	2nd Revised	SHEET NO. 98.1
	NG MO.P.S.C. SCHEDULE NO. 5	1st Revised	SHEET NO. 98,1
PLYING TO	MISSOURI SERVIC	JE AKEA	
** (Appl:	RIDER F. FUEL AND PURCHASED POWER ADJ icable To Service Provided Betwee	USTMENT CLAUSE (CONT	
	balances created through op in the true-up filings prov factor R, below). Interest rate equal to the weighted Company's short-term debt, of items (i) through (iii)	vided for herein (a p shall be calculated average interest rat applied to the month	portion of d monthly at a te paid on the n-end balance
R	Under/over recovery (if any Recovery Periods as determi adjustments, and modificati the Commission (other than already reflected in the TS prudence reviews or other of with interest as defined in	ned for the FAC true cons due to adjustmen the adjustment for 5 factor), as a resul disallowances and rec	e-up nts ordered by Faum Sauk as lt of required
S _{AP}	Supplied kWh during the Acc to the applicable Filing Da the kWh reductions up to th associated with the 12(M) C	ite, at the generation is a set of the set o	on level, plus 1 off-system
S_{RP}	 Applicable Recovery Period level, subject to the FPA_{RP} 		ne generation
NBFC .	Net Base Fuel Costs are the Commission's order as the r reflecting an adjustment for term TS) for the sum of all the term CF), plus cost of the term CPP), less revenue (consistent with the terms per kWh, at the generation Company's retail rates. Th through September calendar 1.236 cents per kWh. The N through May calendar months cents per kWh.	normalized test year or Taum Sauk, consist lowable fuel costs (of purchased power (cor es from off-system sa DSSR), less adjustme "S" and "W"), express level, as included in the NBFC rate applicable MBFC rate applicable	value (and tent with the consistent with ales ents ssed in cents in the ole to June C Rate") is to October
Classificat	e the FPA rates applicable to ions, the FPA _c rate determined tiplied by the following volt	d in accordance with	the foregoing
Prima	dary Voltage Service ry Voltage Service Transmission Voltage Service	1.0789 1.0459 1.0124	
rounded to	es applicable to the individu the nearest 0.001 cents, to b able kWh billed.		
** Indicate	a Change		

DATE OF ISSUE _	February 3,	2012 DATE EFFECTIVE	March 4, 2012
ISSUED BY	Warner L. Baxter	President & CEO	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRE\$S

MO.P.S.C. SCHEDULE NO. 5	2nd Revised	SHEET NO. 98.13
CANCELLING MO.P.S.C. SCHEDULE NO5	1st Revised	SHEET NO. 98.13
PLYING TO MISSOURI SERV:	ICE AREA	
RIDER FUEL AND PURCHASED POWER AD **(Applicable To Service Provided Betwe	JUSTMENT CLAUSE (CONT	
TRUE-UP OF FAC		
After completion of each Recovery Perio filing in conjunction with an adjustmen true-up filings shall be made on the fi two (2) months after completion of each adjustments or refunds shall be reflect include interest calculated as provided	t to its FAC, where a rst Filing Date that Recovery Period. An ed in item R above, a	pplicable. The occurs at least y true-up
The true-up adjustments shall be the di and the revenues authorized for collect		
GENERAL RATE CASE/PRUDENCE REVIEWS		
The following shall apply to this Fuel Clause, in accordance with Section 386. Public Service Commission Rules governi established under Section 386.266, RSMo	266.4, RSMo. and appl ng rate adjustment me	icable Missouri
The Company shall file a general rate c rates to be no later than four years af Public Service Commission order impleme Purchased Power Adjustment Clause. The shall not include any periods in which collecting any charges under this Fuel Clause, or any period for which charges In the event a court determines that th Adjustment Clause is unlawful and all m refunded, the Company shall be relieved and Purchased Power Adjustment Clause t	ter the effective dat anting or continuing t four-year period ref the Company is prohib and Purchased Power A hereunder must be fu dis Fuel and Purchased woneys collected hereu of the obligation un	e of a Missouri his Fuel and erenced above ited from djustment lly refunded. Power nder are fully der this Fuel
Prudence reviews of the costs subject t Adjustment Clause shall occur no less f months, and any such costs which are de Service Commission to have been imprude customers with interest at a rate equal rate paid on the Company's short-term d	requently than every termined by the Misso antly incurred shall b to the weighted aver	eighteen uri Public e returned to
** Indicates Change.		
TE OF ISSUE February 3, 2012	DATE EFFECTIVE Mar	ab = 4 - 2012

MO.P.S.C. SCHEDULE NO. 5		lst Revised	SHEET NO. 98.15
CANCELLING MO.P.S.C. SCHEDULE NO. 5		Original	SHEET NO. 98.15
APPLYING TO MISSOURI	SERVICE ARE	A	
FUEL AND PURCHASED **(Applicable To Service Provided F		31, 2011 And The	Day Before The
APPLICABILITY			
This rider is applicable to kilowat customers served by the Company und 2(M), 3(M), 4(M), 5(M), 6(M), 7(M)	der Service	Classification	
Costs passed through this Fuel and reflect differences between actual including transportation, net of O: Actual Net Fuel Costs) and Net Base below), calculated and recovered as	fuel and pu ff-System Sa e Fuel Costs	Inchased power les Revenues ((factor NBFC,	costs, OSSR) (i.e.,
The Accumulation Periods and Recover following table:	ery Periods	are as set for	th in the
Accumulation Period (AP) Fil	ing Date	Recovery	Period (RP)
June through September By D	August 1 ecember 1 April 1	February three	hrough May ough September ugh January
Accumulation Period (AP) means the fuel and purchased power costs, ind all kWh of energy supplied to Misso	cluding tran	sportation, ne	t of OSSR for
Recovery Period (RP) means the bill table during which the difference b an Accumulation Period and NBFC are customer billings on a per kWh bass level.	between the e applied to	Actual Net Fue and recovered	l Costs during through retail
The Company will make a Fuel and Pu each Filing Date. The new FPA rate applicable starting with the Recove Filing Date. All FPA filings shall supporting the filing in an electro	es for which ery Period t l be accompa	the filing is hat begins fol nied by detail	made will be lowing the ed workpapers
FPA DETERMINATION			
Ninety five percent (95%) of the d and NBFC for all kWh of energy supp the respective Accumulation Periods debit, stated as a separate line if calculated according to the follows	plied to Mis s shall be r tem on the c	souri retail c eflected as an ustomer's bill	ustomers during FPA _c credit or
For the FPA filing made by each Fil starting with the Recovery Period is recover fuel and purchased power co OSSR, to the extent they vary from below, during the recently-complete	following th osts, includ Net Base Fu	e applicable F ing transporta el Costs (NBFC	iling Date, to tion, net of), as defined
**Indicates Change.			
ATE OF ISSUE February 3, 2012	DATE EFFEC	TIVE Mar	ch 4, 2012

ISSUED BY	Warner L. Baxter	President & CEO	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

MO.P.S.C. SCHEDULE NO. 5	1st Revised	SHEET NO98.16
CANCELLING MO.P.S.C. SCHEDULE NO. 5	Original	
APPLYING TO MISSOURI SERV	ICE AREA	
RIDER FUEL AND PURCHASED POWER AD **(Applicable To Service Provided Betwee Effective Date C	JUSTMENT CLAUSE (CONT'D. on July 31, 2011 And The Day	_
$FPA_{(RP)} = [(CF+CPP-OSSR-W) - (NB)]$	FC x S _{AP})]x 95% + I + R -	N]/S _{RP}
The FPA rate, which will be multiplied factors set forth below, applicable sta Period is calculated as:		
$FPA_{C} = FPA_{(RP)} + FE$	$A_{(RP-1)}$ + FPA $_{(RP-2)}$	
Effective with the Company's April 1, 2 to:	2012 filing, FPA _c shall b	be revised
$FPA_{C} = FPA_{(RP)}$	$+ \text{FPA}_{(\text{RP}-1)}$	
where: FPA _c = Fuel and Purchased Power with the Recovery Period Date.		-
<pre>FPA_{RP} = FPA Recovery Period rate</pre>	ing the Accumulation Per	
<pre>FPA_(RP-1) = FPA Recovery Period rate calculation, if any.</pre>	component from prior FPA	RP
$FPA_{(RP-2)} = FPA$ Recovery Period rate prior to $FPA_{(RP-1)}$, if any.	component from FPA_{RP} calc	culation
CF = Fuel costs incurred to su and Off-System Sales allo operations, including tra Company's generating plan following:	cated to Missouri retail nsportation, associated	electric with the
a) For fossil fuel or	hydroelectric plants:	
Regulatory Commissi commodity, applicab fuel additives, Btu suppliers, quality content of coal ass transportation, swi railcar repair and depreciation, railc associated with oth transportation, fue factor CF, hedging costs minus realize volatility in the C power, including bu	costs reflected in Federa on (FERC) Account Number le taxes, gas, alternati adjustments assessed by adjustments related to t essed by coal suppliers, tching and demurrage cha inspection costs, railca ar lease costs, similar er applicable modes of l hedging costs (for pur is defined as realized 1 d gains associated with ompany's cost of fuel an t not limited to, the Co and over-the-counter de	501: coal ve fuels, coal the sulfur railroad trges, r costs poses of osses and mitigating d purchased mpany's use
**Indicates Change.		

ISSUED BY	Warner L. Baxter	President & CEO	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

DATE OF ISSUE _____ February 3, 2012 ____ DATE EFFECTIVE _____ March 4, 2012 ____

ELECTRIC SERVICE

MO.P.S.	C. SCHEDULE NO. 5	1st Revised	SHEET NO. 98.17		
CANCELLING MO.P.S.	C. SCHEDULE NO. 5	Original	SHEET NO98.17		
APPLYING TO	MISSOURI SERVI	ICE AREA			
	RIDER ND PURCHASED POWER ADD Service Provided Between Effective Date O	USTMENT CLAUSE (CONT n July 31, 2011 And The			
	calls, caps, floors, associated with SO2 in commodity and tra commissions and fees costs, ash disposal and expenses resulti portfolio optimizati		, hedging costs ents included roker ce hedges, oil s, and revenues nsportation		
	Number 547: natural commodity, oil, tran reservation charges, revenues and expense	costs reflected in Fl gas generation costs asportation, storage, fuel losses, hedging s resulting from fue folio optimization act	s related to capacity g costs, and l and		
	<pre>(iii) costs and reve allowances;</pre>	enues for SO_2 and NO_x e	mission		
b)	Costs in FERC Accour Expense).	nt Number 518 (Nuclea:	r Fuel		
555, unde capa (1) cust elec are repl. not insu shal Addi	<pre>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</pre>				
OSSR = All	revenues in FERC Accou	unt 447.			
**Indicates Change	·.				
DATE OF ISSUE February 3, 2012 DATE EFFECTIVE March 4, 2012					

ISSUED BY <u>Warner L. Baxter</u> <u>President & CEO</u> <u>St. Louis, Missouri</u> NAME OF OFFICER <u>TITLE</u> ADDRESS

MO.	P.S.C. SCHEDULE NO. 5	1	lst Revised	SHEET NO.	98.18
CANCELLING MO.	P.S.C. SCHEDULE NO. 5		Original	SHEET NO.	98.18
	MISSOUF	RI SERVICE ARE	A		
	AND PURCHASED PO To Service Provideo Effective		31, 2011 And The 1		The
Deter Shoul Class month 0028	tment For Reducti minants: d the level of mo ification 12(M) f ly billing detern an adjustment to wing levels:	onthly billing fall below the minants as esta	determinants u level of norma ablished in Cas	nder Servi lized 12(M e No. ER-2	ce) 011-
a) A	reduction of les - No adjustment			iven month	
b) A	reduction of 40, - All Off-System	000,000 kWh or Sales revenue f-system due t	r greater in a g	all kWh of	Ē
	00,000 per month , 2011. This fac				June
Ac sa le ab to	e positive amount cumulation Period le of power made vel of 12(M) sale ove) exceeds (b) normalized 12(M) 11-0028.	d, (a) revenues possible as a es (as addresse the reduction	s derived from result of redu ed in the defin of 12(M) reven	the off-sy ctions in ition of O ues compar	the SSR ed
Fu en Ac (i be cr tr be to sh	terest applicable el Costs (adjuste ergy supplied to cumulation Period i) refunds due to low); and (iii) a eated through ope ue-up filings pro low). Interest s the weighted ave ort-term debt, ap) through (iii) i	ed for factor Missouri reta: d until those of prudence revi all under- or of eration of this ovided for here shall be calcul erage interest oplied to the r	"W") and NBFC f il customers du costs have been iews (a portion over-recovery b s FAC, as deter ein (a portion lated monthly a rate paid on t month-end balan	or all kWh ring an recovered of factor alances mined in t of factor t a rate e he Company	of ; R, he R, qual 's
**Indicates Char	nge.				
DATE OF ISSUEFe	bruary 3, 2012	DATE EFFEC	CTIVE Marc	ch 4, 2012	

ISSUED BY	Warner L. Baxter	President & CEO	<u>St. Louis, Missouri</u>
	NAME OF OFFICER	TITLE	ADDRESS

MO.P.S.C. SCHEDULE NO. 5	1st Revised	SHEET NO. 98.19
CANCELLING MO.P.S.C. SCHEDULE NO. 5	Original	
APPLYING TO MISSOURI SERV	ICE AREA	
RIDER FUEL AND PURCHASED POWER AD **(Applicable To Service Provided Betwee Effective Date O	JUSTMENT CLAUSE (CONT' n July 31, 2011 And The	
R = Under/over recovery (if an Recovery Periods as detern adjustments, and modificat the Commission, as a rest other disallowances and re defined in item I.	mined for the FAC true tions due to adjustmen ult of required pruden	e-up its ordered by nce reviews or
S _{AP} = kWh during the Accumulation applicable Filing Date, as component of the Company's (AMMO.UE or successor node the kWh of energy sold of OSSR adjustment above.	s measured by taking t s load settled at its e), plus the kWh reduc	the retail MISO CP node ctions up to
S_{RP} = Applicable Recovery Period expected retail component its MISO CP node (AMMO.UE FPA _{RP} to be billed.	of the Company's load	l settled at
NBFC = Net Base Fuel Costs are the Commission's order as the sum of allowable fuel cost plus cost of purchased por less revenues from off-sy OSSR), less an adjustment expressed in cents per kW net output calculation in determine Net Base Fuel Co retail rates. The NBFC rate September calendar months per kWh. The NBFC rate aj calendar months ("Winter Fuel Comparison of the system).	normalized test year ts (consistent with the wer (consistent with the stem sales (consistent (consistent with the h, based on the retail the fuel run used in osts, as included in t ate applicable to June ("Summer NBFC Rate") oplicable to October t	value for the ne term CF), the term CPP), t with the term term "W"), kWh from the part to the Company's through is 1.319 cents through May
To determine the FPA rates applicable to Classifications, the FPA _C rate determine will be multiplied by the following vol	ed in accordance with	the foregoing
Secondary Voltage Service Primary Voltage Service Large Transmission Voltage Servic	1.0557 1.0234 0.9906	
The FPA rates applicable to the individ rounded to the nearest 0.001 cents, to each applicable kWh billed.		
**Indicates Change.		
DATE OF ISSUE February 3, 2012	DATE EFFECTIVE Mar	ch 4, 2012

ISSUED BY	Warner L. Baxter	President & CEO	<u>St. Louis, Missouri</u>
	NAME OF OFFICER	TITLE	ADDRESS

ELECTRIC SERVICE

ETDER FAC FUEL AND PURCHASED FOWER ADJUSTMENT CLAUSE (CONT'D.) ** (Applicable To Service Provide Abrues TULY 31, 2011 And The Day Before The Effective Date Of This Tariff) ** (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 tis 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 Company 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, 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 the fully refunded. The the ower Adjustment Clause is unlawful and all moneys collected hereunder thuly rotected Power Adjustanent Clause shall cocure la	MO.P.S.C. SCHEDULE NO. 5	1st Revi	.sed	_SHEET NO	98.20
RIDER FAC FUEL AND PURCHASED FOWER ADJUSTMENT CLAUSE (CONT'D.) ** (Applicable To Service Provice RADJUSTMENT CLAUSE (CONT'D.) ** (Applicable To Service Provice RADJUSTMENT CLAUSE (CONT'D.) ** (Applicable To Service Provice RADJUSTMENT CLAUSE (CONT'D.) THE CONTONE PERCENT THE CONTONE SERVICE ATHEN TO SERVICE PERCENT THE CONTONE OF PACE 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 same day as the filing made to adjust tis FAC. Any 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: 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 rule signal and Purchased Power Adjustment Clause, in any period for which charges hereunder must be fully refunded. In the event a court determines that this Fuel and Purchased Power Adjustment Clauses is unlawful and all moneys collected hereunder this Fuel and Purchased Power Adjustment Clause is unlawful and all moneys collected Power Adjustment Clause is buloccur no less frequently than every elabeen months,	CANCELLING MO.P.S.C. SCHEDULE NO. 5	Origina	11	_SHEET NO	98.20
Image: Image: Provide Approximation Clause (CONTY-D.) **(Applicable To Service Provided Between Joly 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 duxing the Recovery Period. GENERAL RATE CASE/FRUDENCE 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 mechanisme established under Section 386.266, RSMo: The Company shall file a general rate case with 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. In acourt 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 shall be relieved of the obligation under this Fuel and Purchased Power Adjustment Clause shall be calce dower Adjustment Clause shall be relieved of the obligation under this Fuel	PLYING TO MISSOURI SE	RVICE AREA			
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. <u>GENERAL RATE CASE/FRUDENCE REVIEWS</u> 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 ishall 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 dobt.	FUEL AND PURCHASED POWER **(Applicable To Service Provided Bet	ADJUSTMENT CLAUSE ween July 31, 2011			'he
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. <u>GENERAL RATE CASE/FRUDENCE REVIEWS</u> 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 ishall 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 dobt.					
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. *Indicates Change.	After completion of each Recovery Pe filing in conjunction with an adjust shall be made on the same day as the true-up adjustments or refunds shall	ment to its FAC. filing made to a be reflected in	The true- djust its item R abo	-up filin FAC. An ove, and	g
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 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.					lled
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.	GENERAL RATE CASE/PRUDENCE REVIEWS				
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.	Clause, in accordance with Section 3 Public Service Commission Rules gove	86.266.4, RSMo. a rning rate adjust	nd applica	able Miss	ouri
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.	rates to be no later than four years Public Service Commission order imple Purchased Power Adjustment Clause. shall not include any periods in whice collecting any charges under this Fue Clause, or any period for which charges In the event a court determines that Adjustment Clause is unlawful and all refunded, the Company shall be relief	after the effect ementing or conti The four-year per ch the Company is el and Purchased ges hereunder mus this Fuel and Pu 1 moneys collected ved of the obliga	ive date of nuing this iod refere prohibite Power Adju t be fully rchased Po d hereunder tion under	of a Miss s Fuel an enced abo ed from ustment y refunde ower er are fu c this Fu	ouri d ve d. lly
TE OF ISSUE February 3, 2012 DATE EFFECTIVE March 4, 2012	Adjustment Clause shall occur no less months, and any such costs which are Service Commission to have been impro- violation of the terms of this rider interest at a rate equal to the weigh	s frequently than determined by the udently incurred shall be returned	every eig e Missouri or incurre d to custo	ghteen L Public ed in omers wit	
TE OF ISSUE February 3, 2012 DATE EFFECTIVE March 4, 2012					
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TE OF ISSUE February 3, 2012 DATE EFFECTIVE March 4, 2012					
	*Indicates Change.				
	re of ISSUE February 3, 2012	DATE EFFECTIVE	March	4, 2012	
					ouri

<u>St. Louis, Missouri</u> ADDRESS Schedule WLC-E1-31

ELECTRIC SERVICE

,		MO.P.S.C. SCHEDULE NO. 5	•	22nd Revised 21st Revised	SHEET NO99 SHEET NO99
PLYING TO		<u> </u>	SERVICE AREA		3REET NO3
PLTING TO	·	MISSOOKI	SERVICE AREA	3 	······
		DISCOUNTS APPLICABLE FOR BY CUSTOMER IN LI			NED
	deliv	e a Customer served und ery of power and energy ny will allow discount ws:	at a delive	ry voltage of 3	4kV or higher,
	*1.	A monthly credit of \$ taking service at 34.5		billing demand	for customers
	*2.	A monthly credit of \$ taking service at 115k		billing demand	for customers
				٢	
		Change.			

 DATE OF ISSUE
 February 3, 2012
 DATE EFFECTIVE
 March 4, 2012

 ISSUED BY
 Warner L. Baxter
 President & CEO
 St. Louis, Missouri

 NAME OF OFFICER
 TITLE
 ADDRESS

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

Customer Class		Current Base Revenue	Proposed Base Revenue	F	Required Revenue djustment	% 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	<u>\$</u>	34,380	\$ 39,383	<u>\$</u>	5,003	<u>14.6%</u>
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

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	AVERAGE MONTHLY
<u>kWh</u>	BILL
100	\$21.57
100 150	\$26.35
200	\$31.12
250	\$35.89
300	\$40.66
350	\$45.43
400	\$50,20
400	<i>430.20</i>
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
1.605	4a
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

MISSOUR	1
GENERAL SERVICE CLAS	SSIFICATION NO. 2(M)
PICAL MONTHLY BILLS	- EXCLUDING TAXES
SINGLE-PHASE	SERVICE
	AVERAGE
<u>kWh</u>	MONTHLY BILL
<u>_</u>	44.4 CC
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	63 4E9 E9
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

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

(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

	AVERAGE
	MONTHLY
kWh	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
15,000	Ş1,377,29
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
	\$2,006.22
23,000 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.

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

			AVERAGE
kW	kWh/kW	kWh	MONTHLY BILL
100	100	10,000	\$1,178.17
100	100	10,000	\$1,884.34
	200	20,000	
	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
1000	100	•	\$18,007.84
	200	200,000	
	300	300,000	\$24,081.17 \$29,382.84
	400	400,000	
	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
		1,100,000	400,002101
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
2,000	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
	,00	3,300,000	¥221,172,01

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

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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
500	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
1000	200	200,000	\$17,165.69
	300	•	\$23,039.03
		300,000	
	400	400,000	\$28,167.36
	500	500,000	\$32,550.69
	600 700	600,000 700,000	\$36,934.03 \$41,317.36
0.000	100	200 000	\$20.202.3C
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
	600 700	1,200,000 1,400,000	\$73,555.69 \$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) _ NTNU	DTILC DY	1111 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OF FFFFOR TE ANV

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

MISSOURI									
LARGE	PRIMARY	SERVICE	CLASS	IFICATION	NO.	11(M)			
$\mathbf{T}\mathbf{Y}$	PICAL MO	NTHLY BI	LLS -	EXCLUDING	TAX	ES			

	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.

	1		AVERAGE
kW	kWh/kW	kWh	MONTHLY BILL
* 4,000	300	1 200 000	\$79,219.33
* 4,000		1,200,000 1,600,000	\$89,960.67
	400 500	2,000,000	\$100,702.00
	600	2,400,000	\$111,443.33
	700	2,400,000	\$122,184.67
	700	2,000,000	Q122,104.07
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
20,000	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
	,	11,000,000	\$3307192.00
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
E0.000	200	15 000 000	COFC 44E 22
50,000	300 400	15,000,000	\$856,445.33
		20,000,000	\$990,712.00 \$1,124,978.67
	500	25,000,000	• • •
	600 700	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

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

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)					0.522	SMALL		GE G.S. /		LARGE	m th N	LARGE	-	TOURTHO
		M	ISSOURI	<u>RE</u> :	SIDENTIAL	<u>660</u>	ERAL SERV	<u>SMA</u>	LL PRIMARY	4	PRIMARY	TRA	NSMISSION	يعل	IGHTING
1	BASE REVENUE	\$ 2	2,580,158	\$	1,170,105	\$	288,054	\$	749,850	\$	189,820	Ş	147,949	\$	34,380
2	OTHER REVENUE	\$	68,583	\$	38,657	\$	6,658	\$	15,873	\$	3,763	\$	3,078	\$	555
3	LIGHTING REVENUE	\$	-	\$	-	\$	-	\$	_	\$	-	Ş	-	\$	-
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	\$	-	Ş	-	\$	-	\$	_	\$		Ş	-	Ş	_
6	TOTAL OPERATING REVENUE	\$ 3	3,008,844	\$	1,342,642	\$	329,314	\$	B80,954	\$	229,650	Ş	189,568	ş	36,715
7															
8	TOTAL PROD, T&D, CUST, AND A&G EXP	\$ <u>]</u>	L,982,446	\$	898,942	\$	198,571	\$	561,186	\$	159,113	\$	144,313	Ş	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	Ş	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	Ş	2,428	Ş	5,845	\$	1,463	\$	985	\$	425
13	FEDERAL EXCISE TAX	\$	-	Ş	-	\$	_	\$	_	\$	-	\$	-	Ş	-
14	REVENUE TAXES	\$		\$		\$	<u> </u>	\$	-	\$		\$		\$	_
15															
16	TOTAL OPERATING EXPENSES	\$ 2	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	Ş	110,276	\$	21,404	\$	12,249	\$	1,365
19															
20	GROSS PLANT IN SERVICE	\$14	1,610,042	\$	7,646,261	\$	1,587,513	\$	3,660,297	\$	854,696	\$	595,719	\$	265,557
21	RESERVES FOR DEPRECIATION	\$ 6	5,238,748	\$	3,296,500	\$	681,502	\$	1,534,654	\$	351,261	\$	247,121	\$	127,710
22															
23	NET PLANT IN SERVICE	\$8	3,371,294	\$	4,349,761	\$	906,011	\$	2,125,643	\$	503,435	\$	348,598	Ş	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	ş	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	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	5,810,174	\$	3,507,841	\$	730,419	Ş	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

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

	TITLE: SUMMARY EQUAL ROR (\$000's)						SMALL	LA	ARGE G.S. /		LARGE		LARGE		
			MISSOURI	R	ESIDENTIAL	GE	NERAL SERV	<u>SM</u>	ALL PRIMARY		PRIMARY	τR/	ANSMISSION	Ĩ	IGHTING
-										-					
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	Ş	3,763	Ş	3,078	\$	555
3	LIGHTING REVENUE	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
4	SYSTEM, OFF-SYS SALES & DISP OF ALLOW	\$	360,103	\$	133,880	\$	34,603	\$	115,232	Ş	36,067	\$	38,542	ş	1,780
5	RATE REVENUE VARIANCE	<u>\$</u>		ş.		5		ş		<u>Ş</u>		5		\$	<u> </u>
6 7	TOTAL OPERATING REVENUE	\$	3,384,409	\$	1,627,730	\$	349,044	Ş	917,249	Ş	243,570	Ş	202,264	\$	44,552
8	TOTAL PROD., T&D, CUSTOMER, AND A&G EXP.	\$	1,982,446	\$	898,942	Ş	198,571	\$	561,186	\$	159,113	Ş	144,313	\$	20,321
9	TOTAL DEPR. AND AMMOR. EXPENSES	\$	461,617	\$	243,153	Ş	49,410	\$	116,132	\$	26,841	Ş	17,341	\$	B,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	Ş	104,613	Ş	21,783	\$	52,037	\$	12,541	s	8,856	ŝ	3,267
12	PAYROLL TAXES	\$	23,042	\$	11,897	ş	2,428	\$	5,845	\$	1,463	s	985	s	425
13	FEDERAL EXCISE TAX	Ş		\$	-	s	-	\$		\$		\$	_	\$	_
14	REVENUE TAXES	\$	-	\$	-	Ş	-	s	-	\$	_	s	-	s	-
15				-											
16	TOTAL OPERATING EXPENSES	\$	2,812,354	\$	1,333,071	\$	287,689	Ş	770,678	\$	208,246	\$	177,320	\$	35,351
17															
18	NET OPERATING INCOME	Ş	572,055	\$	294,659	\$	61,355	\$	146,571	ŝ	35,324	s	24,944	s	9,202
19									,						
20	GROSS PLANT IN SERVICE	s :	14,610,042	s	7,646,261	ŝ	1,587,513	s	3,660,297	Ş	854,696	s	595,719	\$	265,557
21	RESERVES FOR DEPRECIATION	\$	6,238,748		3,296,500	\$			1,534,654	\$	351,261	\$	247,121	s	127,710
22															
23	NET PLANT IN SERVICE	\$	8,371,294	\$	4,349,761	Ś	906,011	s	2,125,643	s	503,435	s	348,598	s	137,847
24									•		,	·			
25	MATERIALS & SUPPLIES - FUEL	\$	260,508	\$	96,853	S	25,033	s	83,362	s	26,092	Ş	27,882	s	1,287
26	MATERIALS & SUPPLIES -LOCAL	\$	170,308	\$	•	ş	19,556	s		ŝ	5,016	ŝ	3	s	6,961
27	CASH WORKING CAPITAL	\$	44,894	\$	20,357	Ş	4,497	s	12,708	\$	3,603	s	3,268	ŝ	460
28	CUSTOMER ADVANCES & DEPOSITS	s	(19,448)		(10,815)		(4,742)		(3,617)	ş	_	ŝ	(125)		(149)
29	ACCUMULATED DEFERRED INCOME TAXES	\$	(2,017,383)		(1,056,796)	\$				\$	(117,621)	\$	(82,674)		(36,862)
30						-					······		······································		······································
31	TOTAL NET ORIGINAL COST RATE BASE	s	6,810,174	ŝ	3,507,841	ŝ	730,419	s	1,744,893	ŝ	420,524	s	296,952	ŝ	109,545
32		4	-, ,		-,,-	-		7		•		т	220,202	т	
	RATE OF RETURN		8.400%		8,400%		8.400%		8.400%		8.400%		8,400%		8.400%
			014004		013000		0.1000		0.4000		0000		014000		V 2000

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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	<u>\$</u>	39,383	
Total	\$	2,955,691	

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