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Witness:	Laura M. Moore
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Sponsoring Party:	Union Electric Company
File No.:	ER-2016-0179
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MISSOURI PUBLIC SERVICE COMMISSION

File No. ER-2016-0179

DIRECT TESTIMONY

OF

LAURA M. MOORE

ON

BEHALF OF

UNION ELECTRIC COMPANY
d/b/a Ameren Missouri

St. Louis, Missouri
July 2016

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DIRECT TESTIMONY

OF

LAURA M. MOORE

FILE NO. ER-2016-0179

I. INTRODUCTION

Q. Please state your name and business address.

A. My name is Laura M. Moore. My business address is One Ameren Plaza, 1901 Chouteau Avenue, St. Louis, Missouri 63103.

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

A. I am employed by Union Electric Company d/b/a Ameren Missouri ("Ameren Missouri" or "Company") as Director, Regulatory Accounting.

Q. Please describe your qualifications.

A. I received a Bachelor of Science degree in Accounting from the University of Missouri at Columbia in May 1991 and a Masters of Business Administration from St. Louis University in May 1997. I am a Certified Public Accountant, licensed to practice in the State of Missouri. From 1992 to 1994, I worked for Preferred Pipe Products, Inc., in St. Louis, Missouri, in various capacities, including Staff Accountant in 1992 and Accounting Manager from 1992 to 1994. I worked with Eagleton Enterprises in St. Louis, Missouri, as an Accounting Manager from 1994 to 1995. I worked with Merit Behavioral Care in St. Louis, Missouri, as an Accountant from 1995 to 1997. I worked with Clark Refining and Marketing in St. Louis, Missouri, as a Financial Analyst from 1997 to 1999. From 1999 to 2002, I worked at Emerson Tool Company in St. Louis, Missouri, in the Financial Analysis Department, first as an Analyst and then as the Manager. I have worked for Ameren Missouri or one of its affiliates since 2002.

I am a former Vice Chairperson of the Edison Electric Institute's ("EEI") Property Accounting and Valuation Committee. Prior to that, I was a member of the Leadership Committee for EEI's Property Accounting and Valuation Committee.

Q. Please describe your employment history relating to your work for Ameren Missouri.

A. In June 2002, I began working in the Plant Accounting Department as a Financial Specialist at Ameren Services Company ("Ameren Services"). Ameren Services provides various corporate support services for operating companies owned by Ameren Corporation (including Ameren Missouri) such as accounting, finance, engineering, and legal services. I worked as Supervisor, Generation and General Plant from 2003 to 2006. In October 2006, I assumed the responsibilities of Fuel and Gas Accounting Supervisor. In May 2009, I was promoted to Managing Supervisor, Plant Accounting. In July 2012, I accepted the position as Managing Supervisor of Regulatory Accounting for Ameren Missouri. In January 2016, I was promoted to Director, Regulatory Accounting.

Q. Please describe your duties and responsibilities.

A. In my current position, my primary duties and responsibilities include preparation of the revenue requirement for Missouri rate filings, preparing written testimony for rate, regulatory and audit proceedings, and testifying before the Missouri Public Service Commission and the courts. I prepare reports and exhibits regularly required by various regulatory commissions. I also provide data, answer inquires, arrange meetings and otherwise assist representatives of regulatory commissions in conducting their audits and reviews.

Q. What is the purpose of your direct testimony?

A. The purpose of my direct testimony and attached Schedules LMM-1 through LMM-16 is to develop the revenue requirement (cost of service) for the electric operations of Ameren Missouri. The revenue requirement determines the level of electric revenues required to pay operating expenses, to provide for depreciation and taxes, and to permit our investors an opportunity to earn a fair and reasonable return on their investment. Ameren Missouri witness William R. Davis uses this data as the starting point for his class cost of service study. In addition, I provide testimony on the calculation of net base energy costs ("NBEC") and Base Factor ("BF") which are used in the formula appearing in Ameren Missouri's fuel adjustment clause ("FAC") tariff. These calculations appear in my Schedule LMM-17.

Q. What test year is the Company proposing to use to establish the revenue requirement in this proceeding?

A. The Company is proposing a test year consisting of the twelve months ended March 31, 2016, with pro forma adjustments to account for the true-up of various items, as have been included in the Company's last several rate cases. In addition, the Company is proposing to true-up the following items through December 31, 2016: plant-in-service, depreciation reserve, materials and supplies (including fuel inventories), pre-payments, cash working capital (excluding lead/lag days), customer advances for construction, customer deposits, accumulated deferred income taxes, pension and Other Post-Employment Benefits ("OPEB"), tracker regulatory asset/liability balances, new

Internal Revenue Service ("IRS") FIN 48 settlements (if any), revenues, customer growth, net energy costs (as defined in the FAC tariff), refined coal project revenues and expenses, Midcontinent Independent System Operator, Inc. ("MISO") transmission revenues and expenses, compensation, number of employees, employee benefits, Renewable Energy Standard ("RES") costs, insurance expense, the Missouri Public Service Commission ("MPSC") and the Office of the Public Counsel ("OPC") assessments, rate case expense, capital structure, depreciation expense, various amortizations (such as the pension & OPEB tracker amortization) and property taxes. The Company will also true-up coal prices, MISO Schedule 26-A rates, and wage increases that become effective January 1, 2017. Finally, the Company proposes that other significant items, both increases and decreases, should be included in the true-up.

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

A. Yes. I am sponsoring Schedules LMM-1 through LMM-17.

Q. What is the subject matter of these schedules?

A. Schedules LMM-1 through LMM-16 develop the various elements of the revenue requirement to be considered in arriving at the proper level of rates for the Company's electric service based on the test year of the twelve months ended March 31, 2016, with pro forma adjustments and updates for known and measurable changes to be trued-up through December 31, 2016. Schedule LMM-17 shows the calculation of NBEC and BF for the FAC tariff.

Q. Will you please briefly summarize the information provided on each of the revenue requirement schedules you are presenting?

A. Each revenue requirement schedule provides the following information:

- Schedule LMM-1 – Original Cost of Electric Plant by functional classification at March 31, 2016, per book and pro forma.
- Schedule LMM-2 – Electric Plant Reserves for Depreciation and Amortization by functional classification at March 31, 2016, per book and pro forma.
- Schedule LMM-3 – Average Fuel Inventories and Average Materials and Supplies Inventories at March 31, 2016, per book and pro forma applicable to electric operations.
- Schedule LMM-4 – Average Pre-payments at March 31, 2016, per book and pro forma applicable to electric operations.
- Schedule LMM-5 – Total Electric Cash Working Capital (per the Company's lead/lag study) for the twelve months ended March 31, 2016, applicable to electric operations.
- Schedule LMM-6 – Interest Expense Cash Requirement, Federal Income Tax Cash Requirement, State Income Tax Cash Requirement and City of St. Louis Earnings Tax Cash Requirement applicable to electric operations for the twelve months ended March 31, 2016.
- Schedule LMM-7 – Average Electric Customer Advances for Construction and Average Electric Customer Deposits reductions to rate base at March 31, 2016.
- Schedule LMM-8 – Electric Pension and Other Post-Employment Benefits Regulatory Asset/Liabilities, Energy Efficiency Regulatory

Assets, and FIN 48 Tracker Regulatory Asset and Liability balances at March 31, 2016, per book and pro forma.

- Schedule LMM-9 – Total Electric Accumulated Deferred Income Taxes at March 31, 2016, per book and pro forma.
- Schedule LMM-10 – Total Electric Operating Revenues for the twelve months ended March 31, 2016, per book and pro forma.
- Schedule LMM-11 – Total Electric Operations and Maintenance Expenses, by functional classification, for the twelve months ended March 31, 2016, updated for certain known items, per book and pro forma. A description of each of the pro forma adjustments is included.
- Schedule LMM-12 – Depreciation and Amortization Expenses applicable to electric operations, by functional classification, for the twelve months ended March 31, 2016, per book and pro forma. A description of the pro forma adjustments is included.
- Schedule LMM-13 – Taxes Other Than Income Taxes, for the twelve months ended March 31, 2016, per book and pro forma for the electric operations of the Company. A description of the pro forma adjustments is included.
- Schedule LMM-14 – Income Tax Calculation at the proposed rate of return and statutory tax rates for the total electric operations of the Company.

- Schedule LMM-15 – The pro forma Electric Net Original Cost Rate Base at March 31, 2016, and the Electric Revenue Requirement including the pro forma adjustments.
- Schedule LMM-16 – The increase required at a 7.713% return on Net Original Cost Electric Rate Base, including pro forma adjustments.

II. REVENUE REQUIREMENT

Q. What do you mean by "revenue requirement?"

A. The revenue requirement of a utility is the sum of operating and maintenance expenses, depreciation and amortization expenses, taxes, and a fair and reasonable return on the net value of property used and useful in serving its customers. The revenue requirement is based on a test year and it is necessary to make certain "proforma" adjustments in order to reflect conditions existing at the end of the test year, as well as significant changes that are known or reasonably certain to occur closer to the time new rates would take effect.

The revenue requirement represents the total funds (revenues) that must be collected by the Company if it is to pay employees and suppliers, satisfy tax liabilities, and provide a return to investors. To the extent that current revenues are less than the revenue requirement, a rate increase is required, which is the purpose of this proceeding.

Q. Why is it necessary to make pro forma adjustments to the test year data?

A. It is an axiom in ratemaking that rates are set for the future. In order for newly-authorized rates to have the opportunity to produce the allowed rate of return during the period they are in effect, it is often necessary to adjust the test year data so that it is more representative of future operating conditions. This requires pro forma adjustments to reflect known and measurable changes.

Q. Please explain Schedule LMM-1.

A. Schedule LMM-1 shows the recorded original cost of electric plant by functional classification at March 31, 2016, along with the estimated plant additions through December 31, 2016, which is the end of the Company's proposed true-up period.

Q. Are the Company's plant accounts recorded on the basis of original cost as defined by the Uniform System of Accounts prescribed by this Commission?

A. Yes, they are.

Q. Please explain the elimination of the plant balances related to Financial Accounting Standard ("FAS") 143 Asset Retirement Obligation ("ARO"), which is shown as the first adjustment on Schedule LMM-1.

A. FAS 143 is basically a financial reporting requirement to reflect the fact that the Company has a legal obligation to remove certain facilities in the future. Since Ameren Missouri is regulated and collects or expects to collect funds to cover removal costs through its rates, Adjustment 1 to plant for $218,021,000 eliminates the ARO investment for ratemaking purposes.

Q. Why is the Company including plant additions through December 31, 2016?

A. The Company is continuing to spend tens of millions of dollars each month on infrastructure replacements and improvements. In order to provide the Company an opportunity to earn a fair and reasonable return on its total investment, it is necessary for the cost of service to reflect, as closely as possible, the level of the

Company's investment at the time the new rates will become effective. Adjustment 2 adds the estimated plant-in-service additions of $865,736,000 from April 2016 through December 2016, which is the end of the proposed true-up period.

Q. Please explain the elimination of items of General Plant applicable to gas operations.

A. General Plant facilities, such as general office buildings, the central warehouse, the central garage, and computers and office equipment, are used in both the electric and gas operations. For convenience, such facilities are accounted for as electric plant. Adjustment 3 eliminates the portion of the multi-use general plant applicable to the Company's gas operations of $7,132,000.

Q. Why is Adjustment 4 to reduce the electric plant-in-service necessary?

A. In past Ameren Missouri rate cases, a portion of the Company's incentive compensation paid has either been disallowed or recovery not requested. On the books of the Company, a portion of the incentive compensation has been capitalized and added to plant-in-service. Adjustment 4 reduces the plant-in-service balance by $26,128,000 for the accumulated amount of any previously disallowed and/or not requested capitalized incentive compensation.

Q. After reflecting the above pro forma adjustments, what amount of electric plant-in-service is the Company proposing to include in rate base?

A. As shown on Schedule LMM-1, the total electric plant-in-service is $16,986,807,000.

Q. Please explain Schedule LMM-2.

A. Schedule LMM-2 shows the electric plant reserve for depreciation and amortization at March 31, 2016, by functional group. It also indicates the pro forma adjustments.

Q. What pro forma adjustments were made to the reserve for depreciation?

A. The following adjustments were made to the reserve for depreciation on Schedule LMM-2:

Adjustment 1 eliminates $228,000 from the depreciation reserve related to FAS 143 Asset Retirement Obligation. The plant related to FAS 143 was removed from rate base in Adjustment 1 to plant-in-service in Schedule LMM-1.

Adjustment 2 increases the depreciation reserve by $369,086,000 to reflect the depreciation reserve increase on the March 31, 2016, plant-in-service for the proposed true-up through December 31, 2016.

Adjustment 3 increases the depreciation reserve by $8,984,000 for the pro forma additions to plant-in-service from April 1, 2016, through December 31, 2016, the proposed true-up period.

Adjustment 4 eliminates the accumulated depreciation and amortization reserve of $2,359,000 for the multi-use general plant applicable to gas operations and corresponds to Adjustment 3 made to the plant accounts in Schedule LMM-1.

The accumulated depreciation and amortization reserve is reduced by $7,991,000 in Adjustment 5 to reflect the accumulated depreciation and amortization applicable to a portion of capitalized incentive compensation reflected in Adjustment 4 on Schedule LMM-1.

The pro forma accumulated provision for depreciation and amortization, as shown on Schedule LMM-2, applicable to total electric plant-in-service is $7,461,802,000.

Q. Please explain Schedule LMM-3.

A. Schedule LMM-3 shows the average investment in fuel inventories and materials and supplies at March 31, 2016. Fuel consists of nuclear fuel, coal, minor amounts of oil and stored natural gas used for electric generation, emission allowances and renewable energy credits ("RECs"). The nuclear fuel balances include the nuclear fuel in the reactor as well as the nuclear fuel on site. General materials and supplies include such items as poles, cross arms, wire, cable, line hardware and general supplies. A thirteen-month average is used for all of these items except nuclear fuel. An eighteen-month average is used for the nuclear fuel since the Callaway Energy Center is re-fueled every eighteen months.

The actual thirteen-month average coal inventory has been increased by $2,495,000 to reflect the January 2017 coal price per ton in pro forma Adjustment 1.

Pro forma Adjustment 2 shown on Schedule LMM-3 removes the portion of the average general materials and supplies inventory of $1,183,000 applicable to the Company's gas operations.

Q. What is the amount of the pro forma materials and supplies applicable to electric operations?

A. The pro forma materials and supplies applicable to total electric operations, as shown on Schedule LMM-3, is $523,721,000.

Q. Please explain the average pre-payments shown on Schedule LMM-4.

A. Certain costs for rent, insurance, assessments by the state regulatory commission, service agreements, medical and dental voluntary employee beneficiary association ("VEBA") and coal car leases are paid in advance. The thirteen-month average balances of total electric pre-payments at March 31, 2016, after eliminating the portion applicable to gas operations, are $15,074,000.

Q. Please explain Schedule LMM-5.

A. Schedule LMM-5 shows the calculation of the electric cash working capital requirement of $41,680,000, which is based on a lead/lag study for the twelve months ended March 31, 2016, including the pro forma adjustments to the operating expenses. The expense leads used in the revenue requirement are the same as those agreed to in File No. ER-2014-0258. The development of the various revenue lags is explained in the direct testimony of Company witness Brenda I. Weber.

Q. What appears on Schedule LMM-6?

A. The interest expense cash requirement, the federal income tax cash requirement, the state income tax cash requirement and the city earnings tax cash requirement applicable to the Company's electric operations are shown on Schedule LMM-6. The payment lead times for these items are based on actual or statutory dates and are the same as those agreed to in File No. ER-2014-0258.

Q. What is the cash requirement for the interest expense, the federal income taxes, the state income taxes and city earnings tax?

A. Reflecting the payment lead times for each of these items compared to the revenue lag results in a negative cash requirement of ($24,604,000) for interest expense, cash requirements of $1,961,000 for federal income taxes and $312,000 for state income taxes, and a negative cash requirement of ($20,000) for city earnings tax.

Q. What items are shown on Schedule LMM-7?

A. The thirteen-month average balances at March 31, 2016, for electric customer advances for construction and electric customer deposits are shown on Schedule LMM-7. These items represent cash provided by customers that can be used by the Company until they are refunded. Therefore, the average balances for the customer advances for construction and customer deposits are reductions to the Company's rate base.

Customer advances for construction are cash advances made by customers that are subject to refund to the customer in whole or in part. These advances provide the Company cash that offsets the cost of the construction until they are refunded. The thirteen-month average balance of electric customer advances for construction at March 31, 2016, is ($7,055,000).

Customer deposits are cash deposits made by customers which are subject to refund to the customer if the customer develops a good payment record. The Company pays interest on the deposits, which is shown as a customer account expense on Schedule LMM-11. The thirteen-month average balance of electric customer deposits at March 31, 2016, is ($20,418,000).

Q. What is shown on Schedule LMM-8?

A. Schedule LMM-8 shows the pension and OPEB regulatory asset and liability balances, the energy efficiency regulatory asset balances and the FIN 48 tracker regulatory asset and liability balance. The pension and OPEB regulatory liability and asset balances shown are for the period ended March 31, 2016, as amortized through December 2016, the end of the proposed true-up period. In File No. ER-2010-0036 (Ameren Missouri's 2009/2010 electric rate case), the pension and OPEB tracker expenses from October 2008 and January 2010 were again re-based, and the regulatory asset and liability balances at January 31, 2010, are being amortized over five years. In File No. ER-2011-0028 (Ameren Missouri's 2010/2011 electric rate case), the pension and OPEB tracker expenses from February 2010 through February 28, 2011 were again re-based, and the regulatory asset and liability balances at February 28, 2011, are being amortized over five years. In File No. ER-2012-0166 (Ameren Missouri's 2012/2013 electric rate case), the pension and OPEB tracker expenses from March 2011 through July 2012 were again re-based, and the regulatory asset and liabilities at July 31, 2012, are being amortized over five years. In File No. ER-2014-0258 (Ameren Missouri's most recent electric rate case), the pension and OPEB tracker expenses from August 2012 through December 2014 were again re-based, and the regulatory asset and liabilities at December 31, 2014, are being amortized over five years. In addition, the estimated pension and OPEB tracker expenses from January 1, 2015, through the end of the proposed true-up period (December 31, 2016) are also included, with one-fifth of the net regulatory asset and liability balance at December 31, 2016, being included in the revenue requirement in this case, reflecting amortization over a period of five years. The pension tracker and the OPEB tracker have a regulatory liability balance at December 31, 2016. The net balance of these regulatory liabilities is ($31,926,000). As the net of these items is a regulatory liability, the rate base is reduced by that amount.

The energy efficiency regulatory asset balance (pre-Missouri Energy Efficiency Investment Adjustment ("MEEIA") energy efficiency costs) as of December 31, 2009, to be amortized over a six-year period, was established with the Commission's approval in the First Non-Unanimous Stipulation and Agreement in File No. ER-2010-0036. The energy efficiency expenditures for the period of January 1, 2010 through February 28, 2011, are included in the regulatory asset and are being amortized over a six-year period per the Commission's Order in File No. ER-2011-0028. The energy efficiency expenditures from March 1, 2011 through July 31, 2012, are included in the regulatory asset and are being amortized over a six-year period per the Commission's Order in File No. ER-2012-0166. The energy efficiency expenditures from August 1, 2012 through May 31, 2015, are included in the regulatory asset and are being amortized over a six-year period per the Commission's Order in File No. ER-2014-0258. The energy efficiency regulatory asset balance at December 31, 2016, is $18,501,000.

Finally, in the Non-Unanimous Stipulation and Agreement Regarding Tax Issues approved by the Commission in File No. ER-2011-0028, the Company established a tracking mechanism relating to differences between the amounts accrued to reflect uncertain tax positions in the FIN 48 balance, and the amounts that the Company actually must pay pursuant to resolution of the uncertain tax positions based on final settlements with the IRS. In File No. ER-2012-0166 and File No. ER-2014-0258, the FIN 48 balance was a liability. In addition to these amounts, a regulatory asset balance was established since the true-up in the last rate case. The net FIN 48 tracker balance as of March 31, 2016, as amortized through December 2016, is $3,351,000.

Q. Please explain Schedule LMM-9.

A. Schedule LMM-9 lists the accumulated deferred income taxes applicable to total electric operations at March 31, 2016, and the pro forma adjustments required to move the balances forward to December 31, 2016, the end of the proposed true-up period. Accumulated deferred income taxes are the net result of normalizing the tax benefits resulting from timing differences between the periods in which transactions affect taxable income and the periods in which such transactions affect the determination of pre-tax income.

Currently, the Company has deferred income taxes in Federal Energy Regulatory Commission ("FERC") Accounts 190, 281, 282, and 283. As shown on Schedule LMM-9, the total electric pro forma accumulated deferred income tax balance is a net balance of ($2,850,326,000). The net deferred income taxes are a deduction from the rate base.

Q. What is the Company's pro forma net original cost electric rate base at March 31, 2016?

A. The Company's total electric rate base as shown on Schedule LMM-15 is $7,195,256,000, consisting of:

	In Thousands of $
Original Cost of Plant-In-Service	$16,986,807
Less Reserve for Depreciation & Amortization	7,461,802
Net Original Cost of Plant	9,525,005
Average Fuel and Materials & Supplies	523,721
Average Prepayments	15,074
Cash Working Capital (Lead/Lag)	41,680

Interest Expense Cash Requirement	(24,604)
Federal Income Tax Cash Requirement	1,961
State Income Tax Cash Requirement	312
City Earnings Tax Cash Requirement	(20)
Average Customer Advances for Construction	(7,055)
Average Customer Deposits	(20,418)
Pension Tracker Regulatory Asset	(15,928)
OPEB Tracker Regulatory Liability	(15,998)
Energy Efficiency Regulatory Asset	18,501
FIN 48 Liability Tracker Regulatory Liability	3,351
Accumulated Deferred Income Taxes	(2,850,326)
Total Electric Rate Base	$7,195,256

Q. Please explain Schedule LMM-10.

A. Schedule LMM-10 shows total electric operating revenues per book and pro forma for the twelve months ended March 31, 2016, with customer growth through December 31, 2016, the end of the proposed true-up period.

Q. Please explain the pro forma adjustments to the electric operating revenues shown on Schedule LMM-10.

A. The following pro forma adjustments are shown on Schedule LMM-10:

Adjustment 1 eliminates revenue add-on taxes of $147,362,000, as they are directly passed through to customers by the Company. Adjustment 2 eliminates the MEEIA revenues of $118,661,000, as they are now collected through the MEEIA Rider rather than through base rates. Adjustment 3 eliminates the FAC Recoveries revenues of

$132,381,000 from revenues. Since the Company is rebasing the net base energy costs in the FAC, it is appropriate to eliminate the revenues from FAC recoveries. Adjustment 4 eliminates unbilled revenues of $12,144,000 to reflect the book revenues on a bill cycle basis. As new retail rates (resulting from File No. ER-2014-0258) were effective May 30, 2015, Adjustment 5 increases revenues by $22,142,000 to annualize the effect of the new rates. Adjustment 6 increases revenues by $7,779,000 to reflect customer growth through March 31, 2016. Additional customer growth through December 31, 2016, of $12,775,000, is reflected in Adjustment 7. Due to the situation at the Noranda Aluminum, Inc. ("Noranda") smelter, revenues are being reduced by $124,925,000 in Adjustment 8 to remove Noranda's load, as discussed in Mr. Davis's testimony. Since the Company uses cycle and window billing, revenues are decreased by $2,945,000 to reflect normal billing days in Adjustment 9. Adjustment 10 decreases revenues by $1,886,000 to synchronize the book revenues with the revenues developed by Mr. Davis in his billing unit rate analysis, as discussed in Mr. Davis's direct testimony. The revenues were decreased in Adjustment 11 by $3,484,000 to reflect normal weather because the sales and revenues for the twelve months ended March 31, 2016, were higher than normal.

The provision for rate refunds of $17,120,000, applicable to the operation of the Company's FAC is eliminated in Adjustment 12. Since the Company is re-basing the net base energy costs in its FAC, it is appropriate to eliminate the provision for rate refunds.

The "other electric revenues" on Schedule LMM-10 were increased by $1,819,000 in Adjustment 13 to adjust for transmission revenues through December 31, 2016, the proposed true-up date. The revenues were decreased by $163,000 to annualize the lease revenues from coal refinement in Adjustment 14. The coal refinement contract at the Labadie Energy Center ended in 2016, so an adjustment in the amount of $163,000 was necessary to remove these revenues from the test year amounts. In Adjustment 15, revenues were decreased by $234,000 to remove revenues received from other Ameren affiliates to pay the Company for the use of Ameren Missouri's SCADA equipment, since it has been retired and is no longer in use. In Adjustment 16, the Company is decreasing revenues by $907,000 to provide customers that utilize paperless billing with a bill credit, as discussed in Company witness Tara K. Oglesby's direct testimony.

In Adjustment 17, the gains of $191,000 recognized in the disposition of emissions allowances are eliminated as a non-recurring item. These gains should be eliminated to reflect a normal on-going level of revenues.

Q. Are the revenues from off-system energy sales included in Schedule LMM-10?

A. Yes, Adjustment 18 in Schedule LMM-10 increases the actual off-system sales revenues from energy by $130,204,000, to reflect a normal level of off-system sales and revenues calculated using the current normalized market price for energy and the annualized power market revenues from MISO and ancillary services revenue, as discussed in the direct testimony of Company witness Andrew Meyer. Adjustment 19 increases sales of capacity by $185,462,000, to reflect a normal level of capacity sales, as is also addressed by Mr. Meyer's direct testimony. The production cost model ("PROSYM"), explained in the direct testimony of Company witness Mark J. Peters, was used to develop the normal off-system sales volumes and revenues from energy sales.

Q. What are the pro forma electric operating revenues for the twelve months ended March 31, 2016?

A. The pro forma electric operating revenues for the twelve months ended March 31, 2016, are $3,268,036,000, including the off-system sales revenues.

Q. Please describe what is shown in Schedule LMM-11.

A. Total electric operating and maintenance expenses for the twelve months ended March 31, 2016 (per books by functional classification), a listing of the pro forma adjustments, and the pro forma electric operating and maintenance expenses by functional classification, are shown in Schedule LMM-11.

Q. Will you please explain the pro forma adjustments to electric operating expenses for the twelve months ended March 31, 2016?

A. A summary of the pro forma adjustments to operating expenses appears in Schedule LMM-11. Adjustment 1 reflects the increased labor expense from annualizing the 2.00% wage increase for the Company's union employees effective July 1, 2015, and July 1, 2016, per the labor contracts. In addition, management employees' average wage increases of 3.26% effective January 1, 2016, and the estimated 3.26% average wage increase effective January 1, 2017, are reflected. The annualized increase in the total electric operating labor resulting from the above increases is $12,486,000. Incentive compensation was subtracted from the calculation of the wage increases as the wage increases only apply to base wages.

The test year short-term incentive compensation is reduced by $1,734,000 in Adjustment 2 to eliminate the incentive compensation related to earnings of the Ameren Services officers allocated to Ameren Missouri and the Ameren Missouri officers.

Consistent with prior cases, the total long-term incentive compensation of \$7,680,000 applicable to Ameren Missouri, including the allocated Ameren Services amount, is eliminated in Adjustment 3.

Adjustment 4 is a reduction in operating expenses of \$3,953,000, to reflect internal labor and benefits related to the Company's Energy Efficiency Department. This adjustment is included so that these internal labor and benefits costs, which arise from operating the Company's MEEIA energy efficiency programs, can be included in the MEEIA rider and not in base rates.

Adjustment 5 is an increase in labor expense of \$79,000 for the Security Department for employees that are working on the latest revision of the Critical Infrastructure Protection standards promulgated by the North American Electric Reliability Corporation ("NERC"). These standards establish requirements for protecting the electric grid from cyber and physical security threats. Failure to comply with the mandatory standards will result in fines up to \$1 million per violation per day. The internal labor and benefits costs of these employees were included in capital projects during the test year as the Company was implementing the capital work related to this standard. Now that the capital work is completed, the ongoing costs of complying with this standard will be an operating expense.

Adjustment 6 reflects the increase in fuel expense of \$70,120,000, for the normalized billed kilowatt-hour ("kWh") sales and output with customer growth through December 2016 reflecting the January 2017 fuel prices.

Adjustment 7 is an increase in purchased power expense of $181,073,000 to reflect the normalized billed kWh sales and output with customer growth through December 2016 and the normalized power prices.

The increases and decreases in the fuel cost and the purchased power expense contained in Adjustments 6 and 7 were calculated by Mr. Peters using the PROSYM production cost model. His direct testimony details the inputs and assumptions used in the PROSYM Model. The purchased power expenses also include the power market and ancillary services charges from MISO.

Adjustment 8 reflects the increase in MISO transmission costs of $21,440,000 for the normalized billed kWh sales and output with customer growth through December 2016 reflecting the January 2017 MISO Schedule 26-A rates.

Adjustment 9 reduces transmission operating expenses by $11,000 to reflect an adjustment ordered by the Commission in its Report and Order in File No. EO-2011-0128 issued April 19, 2012, and as modified by the Commission's Order Modifying Report and Order issued December 22, 2014. The referenced orders require that the Company make certain adjustments for ratemaking purposes for transmission charges from MISO for regionally-allocated transmission facilities constructed by an Ameren Missouri affiliate in the service territory of Ameren Missouri. Ameren Missouri has received charges for one such project, the Mark Twain Transmission Project, and thus has adjusted its revenue requirement in this case as required by the above-referenced orders for charges received on the project through December 31, 2015. Adjustments will be made in future general rate proceedings for post-December 31, 2015, charges per the above-referenced orders.[1]

Adjustment 10 increases production expenses by $11,895,000 due to the end of the coal refinement contract at Labadie Energy Center, as discussed earlier.

Adjustment 11 increases the nuclear production expenses by $2,571,000 to record the expected annual radwaste disposal expense.

Adjustment 12 decreases production expenses by $105,100,000, to eliminate the FAC recovery during the test year. Since the Company is re-basing the net base energy costs in its FAC, it is appropriate to eliminate the FAC recovery.

Adjustment 13 is an increase to production expense to include two-thirds of the Fall 2014 Callaway Nuclear Plant re-fueling expenses. This adjustment is required because the test year excluded the cost of a Callaway re-fueling outage, which occurs every eighteen months. Therefore, in order to reflect a normal twelve months of operating and maintenance expenses, it is necessary to include two-thirds of the Callaway Plant re-fueling expense. The production expenses are increased by $5,617,000 for outside contractors' maintenance expenses and $4,901,000 for incremental overtime expense. This is a total increase of $10,518,000. The impact on replacement power and purchased power is part of the fuel and purchased power adjustment in Adjustments 6 and 7. The inputs for the PROSYM Model included two-thirds of a Callaway outage.

[1] For adjustments to be made after the Mark Twain project goes into service, an allowance for funds used during construction ("AFUDC") will be included. AFUDC will account for the fact that this and the other adjustments required by the above-referenced Commission orders will have removed the impact of construction work in progress ("CWIP") from the transmission charges associated with the Mark Twain project, as required by those orders AFUDC is necessary for customers to be put in the same position they would have been in had Ameren Missouri constructed the project and included it in its rate base.

Adjustment 14 reduces operating expenses by $69,158,000, to eliminate the write-off of the Callaway Unit 2 license project.

Adjustment 15 increases operating expenses by $1,657,000 to reflect the amortization of the RES regulatory asset and liability balances established in prior cases and the amortization of the regulatory asset for the deferral of costs from January 2015 through December 2016, the proposed true-up period in this case.

Adjustment 16 increases operating expense by $7,191,000, to re-base the RES-related expenses, including the Maryland Heights Renewable Energy Center fuel costs.

Adjustment 17 reduces operating expenses for the solar rebate amortization established in File No. ER-2014-0258 by $9,484,000 in order to re-base the remaining regulatory asset over a two-year period. This also includes the amortization of additional solar rebates that have been paid since the true-up period in the last rate case.

It was agreed in the Stipulation in File No. ET-2014-0085 that a true-up will be required to reflect whether the sums billed to customers through the amortization are greater or less than the sums that were assumed would be billed to customers based on the billing units and amortization period used to calculate rates. The amounts billed through rates were less than the amortization, so a regulatory asset was established for the under-collection. Adjustment 18 is an increase in operating expenses of $1,355,000, to include the three-year amortization of this regulatory asset.

Adjustment 19 increases operating expenses by $133,000 for an increase in depreciation that is charged to operating and maintenance ("O&M") expense for coal cars, transportation and heavy duty equipment.

Adjustment 20 increases distribution expenses by $2,931,000, to normalize storm costs to reflect a five-year average.

Adjustment 21 eliminates the amounts recorded in distribution expense in the test year of $2,228,000 for the vegetation management and infrastructure inspections tracker, which was discontinued.

Adjustment 22 is an increase in customer accounting expenses to reflect interest expense at 4.25 percent on the average customer deposit balance. The average customer deposit balance at March 31, 2016, is deducted from rate base. The interest expense added to the customer accounting expenses is $868,000.

Adjustment 23 decreases operating expenses by $53,439,000 to eliminate program costs related to MEEIA, which are included in the MEEIA Rider.

Adjustment 24 reduces the administrative and general expenses by $114,000 for the expenses related to Ameren Missouri's retired SCADA equipment. The off-setting revenues received from the use of the equipment by other companies were also eliminated.

Adjustment 25 decreases operating expenses by $533,000, to eliminate costs related to the Taum Sauk reservoir breach and insurance cases.

The various insurance policies of the Company are renewable at different times during the test year. Adjustment 26 increases the administrative and general expense by $390,000 to annualize the premiums of the various insurance policies.

Adjustment 27 decreases administrative and general expenses by $424,000 to reflect decreases in the major medical and other employee benefits expenses to annualize the calendar year 2016 employee benefits expenses. Decreasing the employee benefits costs to the 2016 annual level matches the pro forma labor expense adjustment in Adjustment 1.

Administrative and general expenses are decreased by $489,000 in Adjustment 28 to annualize the calendar year 2016 cost of the non-qualified pension plan, which is no longer included in the pension tracker.

Adjustment 29 decreases administrative and general expenses by $20,627,000 to re-base the pension and OPEB tracker to reflect the annualized calendar year 2016 level of expense.

Adjustment 30 is a decrease in administrative and general expense of $4,006,000 to reflect the annualized amortization of the pension and OPEB net regulatory balances, and the estimated net regulatory asset balances at December 31, 2016, the end of the proposed true-up period.

In Adjustment 31, the Company is eliminating $421,000 of administrative and general expense for certain Board of Directors meeting expenses.

Administrative and general expenses are increased in Adjustment 32 by a net amount of $266,000 to reflect the expenses that have been and will be incurred to prepare and litigate this rate increase filing (rate case expense) less the rate case expenses paid during the test year related to File No. ER-2014-0258.

Finally, Adjustment 33 increases administrative and general expenses by $311,000 to annualize the Ameren Missouri electric Commission and OPC assessment.

Q. What is the impact on total electric operating and maintenance expenses from the above pro forma adjustments?

A. As shown in Schedule LMM-11, the total electric operating and maintenance expenses are increased from $1,950,744,000 to $2,001,083,000, or a total net increase of $50,339,000 by the above pro forma adjustments.

Q. What is shown in Schedule LMM-12?

A. Schedule LMM-12 shows the total electric depreciation and amortization expenses by functional classifications for the twelve months ended March 31, 2016, per book and pro forma.

Q. What pro forma adjustments apply to the depreciation and amortization expenses?

A. Schedule LMM-12 details the following pro forma adjustments to the depreciation and amortization expenses:

Adjustment 1 increases depreciation and plant amortization by $19,009,000 to reflect the book depreciation annualized for the plant-in-service depreciable balances at March 31, 2016, based on the depreciation rates approved in File No. ER-2014-0258.

Depreciation and plant amortization expense is increased by $27,141,000 in Adjustment 2 to reflect a full year's depreciation expense at the book depreciation rates on the additions to plant-in-service from April 1, 2016, through December 31, 2016, the proposed true-up period.

The depreciation expense for coal cars (Account 312), transportation equipment (Account 392) and heavy duty equipment (Account 396) are not charged to depreciation expense. Adjustment 3 reduces depreciation expense by $11,442,000 to eliminate the depreciation expense on these accounts.

In the Stipulation and Agreement Regarding Certain Revenue Requirement Issues in File No. ER-2014-0258, it was agreed that the Company would defer carrying costs (at its short-term interest rate) and amortization accruals related to the cost of the Callaway re-licensing. Adjustment 4 increases amortization expense by $111,000, for the amortization of this deferral.

Ameren Missouri was required by the Nuclear Regulatory Commission ("NRC") to complete a flood study at the Callaway Energy Center in response to the Fukushima incident. Adjustment 5 increases amortization expense by $15,000 to reflect a full year's amortization of the Fukushima flood study costs per the Report and Order in File No. ER-2014-0258.

Adjustment 6 increases amortization expense by $910,000, to reflect a full year's amortization of the construction accounting regulatory asset for the Sioux Scrubbers per the Report and Order in File No. ER-2011-0028. The Sioux Scrubbers regulatory asset is being amortized over the remaining life of the Sioux Energy Center.

Amortization expense is decreased by $200,000 in Adjustment 7 to eliminate the amortization of the 2009 storm cost tracker as this item is fully amortized, as agreed to in File No. ER-2014-0258.

Adjustment 8 decreases amortization expense by $1,134,000, to eliminate the amounts recorded to defer the storm cost regulatory liability related to the discontinued storm cost tracker.

Amortization expense is decreased by $780,000 in Adjustment 9 to reflect the five-year amortization of the storm tracker regulatory liability from File No. ER-2014-

0258 and the current storm tracker liability that was deferred from January 2015 through May 2015, the effective date of new rates in File No. ER-2014-0258.

Amortization expense is decreased by $31,000 in Adjustment 10 for the net amortization change of the vegetation management and infrastructure inspection trackers. This adjustment is to reflect a full year amortization of the re-based amortization amounts from File No. ER-2014-0258, and to include the current vegetation management and infrastructure inspections liability that was deferred from January 2015 through May 2015, the effective date of new rates in File No. ER-2014-0258, and the end of the vegetation management and infrastructure inspections tracker.

Amortization expense is increased in Adjustment 11 by $146,000 to reflect a full year's amortization of the pre-MEEIA Energy Efficiency regulatory asset balances.

Adjustment 12 increases amortization expense by $13,008,000 to eliminate MEEIA program costs that are part of the MEEIA Rider.

Adjustment 13 decreases amortization expense by $663,000 to eliminate the annualized amortization of the equity issuance costs as agreed to in File No. ER-2014-0258.

Adjustment 14 is a decrease in amortization expense of $535,000, to eliminate the annual contribution from Ameren Missouri's customers to the Keeping Current Program, as the revenues associated with that program are also excluded.

Adjustment 15 decreases amortization expense by $1,504,000 to reflect a full year's amortization of the deferred over-collections of amortization as agreed to in File No. ER-2014-0258, and to eliminate the recording of the liability.

In the Non-Unanimous Stipulation and Agreement Regarding Tax Issues in File No. ER-2011-0028, the Company agreed to establish a tracker relating to differences between the amounts accrued to reflect uncertain tax position in the FIN 48 liability balance, and the amounts that the Company actually must pay pursuant to resolution of the uncertain tax positions based on final settlements with the IRS. Adjustment 16 is an increase in amortization expense of $2,080,000 to reflect the three-year amortization of the FIN 48 regulatory asset and liability. The FIN 48 regulatory asset and liability balance is also included in the rate base.

The Company proposes to defer the lost fixed costs related to the loss of load at the Noranda aluminum smelter from April 2015 through May 2017, the beginning of the test year through the effective date of rates in this case. Adjustment 17 is an increase in the amortization expense of $8,147,000 for the ten-year amortization of this deferral.

Q. What are the total electric pro forma depreciation and amortization expenses?

A. As reported in Schedule LMM-12, the total electric pro forma depreciation and amortization expenses are $532,300,000:

Q. Please explain Schedule LMM-13.

A. Schedule LMM-13 shows the taxes other than income taxes for the twelve months ended March 31, 2016, per book and pro forma.

Q. Please list the pro forma adjustments required to arrive at the total electric pro forma taxes other than income taxes as detailed in Schedule LMM-13.

A. The following pro forma adjustments detailed in Schedule LMM-13 are required to arrive at the total electric pro forma taxes other than income taxes.

Adjustment 1 increases F.I.C.A. taxes by $281,000 to reflect the pro forma wage adjustments.

Adjustment 2 increases property taxes by $4,945,000 to reflect the current level of property taxes based on the investment in plant at January 1, 2016.

Property taxes of $314,000 applicable to plant held for future use are eliminated in Adjustment 3. This adjustment is required as the investment in plant held for future use is not included in rate base.

Adjustment 4 adjusts taxes other than income taxes to remove Missouri gross receipts taxes of $146,652,000, as they are add-on taxes that are directly passed through to customers. The pro forma book revenues also reflect the removal of the add-on revenue taxes.

Q. How much are pro forma taxes other than income taxes for the twelve months ended March 31, 2016, for total electric?

A. As reflected on Schedule LMM-13, the pro forma total electric taxes other than income taxes are $171,306,000.

Q. What is shown in Schedule LMM-14?

A. Schedule LMM-14 shows the derivation of the income tax calculation at the requested 7.713% rate of return for total electric operations reflecting the statutory tax rates.

Q. As shown in Schedule LMM-14, what are the income taxes at the requested rate of return for total electric operations?

A. Total current federal, state and city earnings income taxes using the statutory tax rates at the requested rate of return are $220,697,000 for total electric operations, as shown in Schedule LMM-14. Deferred income taxes for total electric operations of ($5,915,000) are also shown in Schedule LMM-14. Net current and deferred income taxes for electric operations are $214,782,000.

Q. Please explain Schedule LMM-15.

A. Schedule LMM-15 shows the total electric rate base of $7,195,256,000, and the total electric revenue requirement of $3,474,441,000 at the requested return of 7.713 percent. (See the direct testimony of Company witness Ryan J. Martin for the development of the 7.713 percent rate of return.)

Q. What does Schedule LMM-16 reflect?

A. Schedule LMM-16 compares the total electric revenue requirement of $3,474,441,000 with the total electric pro forma operating revenues under the present rates of $3,268,036,000, including off-system energy sales revenues. It shows that the revenue requirement for the test year is $206,405,000 more than the pro forma operating revenues at present rates. This is the amount of additional revenues Ameren Missouri needs to collect each year to recover its cost of service, including an opportunity to recover its cost of capital.

III. DETERMINATION OF NET BASE ENERGY COSTS

Q. Did you determine the "net base energy costs" utilized in the Company's FAC, as addressed in the direct testimony of Ameren Missouri witness Lynn. M. Barnes?

A. Yes. I calculated a BF for use in the FAC tariff of 1.679 cents per kilowatt-hour for the summer, 1.739 cents per kilowatt-hour for the winter-1 period and 1.587 cents per kilowatt-hour for the winter-2 period. Ms. Barnes discusses the implementation of a second winter base factor in her direct testimony. Schedule LMM-17 shows the calculation of total net base energy costs, and the calculation of BF in the FAC tariff for the summer and the two winter periods. The net base energy costs calculation starts with the fuel and purchased power costs determined by PROSYM, as discussed in Mr. Peters' direct testimony. There are other costs for fuel and purchased power that are not modeled by PROSYM, including net fly ash revenues and expenses, fixed gas supply costs, fuel additives, MISO Day 2 expenses, capacity expense, PJM expenses, Account 565 transmission expenses, the costs of purchasing ancillary services and the cost of purchased power to serve common boundary customers. This total cost of fuel and purchased power is then offset or reduced by off-system energy sales revenues calculated by PROSYM using inputs provided by Mr. Meyer. There are additional revenues not included in PROSYM, including the MISO Day 2 revenues, capacity sales, bilateral swaps, financial swaps, real-time load and generation deviation and revenues from sales of ancillary services. All of the above expenses and revenues are then segregated between summer and the two winter periods to develop three separate BFs under the Company's FAC tariff. Per Schedule LMM-17, the summer net base energy cost of $202,020,000 was then divided by the normalized Ameren Missouri summer load at the MISO Node AMMO.UE of 12,030,000,000 kWhs to arrive at a summer BF expressed in cents per kWh 1.679 cents. The winter-1 net base energy cost of $197,660,000 was then divided by the normalized Ameren Missouri winter 1 load at the MISO Node AMMO.UE of 11,367,000,000 kWh to arrive at a winter-1 BF expressed in cents per kWh of 1.739. The winter-2 net base energy cost of $161,789,000 was then divided by the normalized Ameren Missouri winter-2 load at the MISO Node

AMMO.UE of 10,192,297,000 kWh to arrive at a winter-2 BF expressed in cents per kWh of 1.587.

IV. CONCLUSION

Q. Please summarize your testimony and conclusions.

A. My testimony and attached schedules have developed the Company's total electric rate base and revenue requirement, which include continuation of two existing trackers, the pension and OPEB expense and the FIN 48 trackers, as well as amortization of existing regulatory assets and liabilities. The Company also requests authority to defer and recover through an amortization the lost fixed costs associated with load reductions at Noranda's smelting facility for the period April 2015 through May 2017, the effective date of new rates. As summarized in Schedule LMM-16, the Company's total electric revenue requirement, including the Company's proposed 7.713 percent return on rate base, exceeds the pro forma operating revenues at the present rates by $206,405,000. The Company should be allowed to increase its rates to permit it to recover this $206,405,000 in additional revenue requirement. Finally, the three BFs, reflected in the Company's FAC should be set at the values reflected in Schedule LMM-17, reflecting a re-base of net base energy costs.

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 Annual Revenues for Electric Service.	)))	File No. ER-2016-0179

AFFIDAVIT OF LAURA M. MOORE

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

Laura M. Moore, being first duly sworn on her oath, states:

1. My name is Laura M. Moore. I am employed by Union Electric Company d/b/a Ameren Missouri as Director Regulatory Accounting.

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 34 pages and Schedule(s) LMM-1 through LMM-17, 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.

Laura M. Moore
Laura M. Moore

Subscribed and sworn to before me this 30th day of June, 2016.

Beckie J. Eaves
Notary Public

My commission expires: 2-21-18

BECKIE J. EAVES
Notary Public - Notary Seal
State of Missouri
Commissioned for St. Louis City
My Commission Expires: February 21, 2018
Commission Number: 14938572

AMEREN MISSOURI
ORIGINAL COST OF ELECTRIC PLANT
BY FUNCTIONAL CLASSIFICATION FOR THE TWELVE MONTHS ENDED MARCH 31, 2016
($000)

LINE	FUNCTIONAL CLASSIFICATION (A)	TOTALS PER BOOKS (B)	PRO FORMA ADJUSTMENTS (C)	PRO FORMA ELECTRIC TOTALS (D)
	INTANGIBLE PLANT			
1	FRANCHISES	$ 77,774	$ -	$ 77,774
2	CALLAWAY LIFE EXTENSION DEFERRAL	1,253	1,785	3,038
3	MISC INTANGIBLE PLANT	158,284	23,145	181,429
4	**TOTAL INTANGIBLE PLANT**	237,311	24,930	262,241
	PRODUCTION PLANT			
5	NUCLEAR	3,143,855	44,177	3,188,032
6	CALLAWAY POST OPERATIONAL	116,731	-	116,731
7	STEAM	4,311,301	72,263	4,383,564
8	HYDRAULIC	418,632	35,848	454,480
9	OTHER	1,255,985	1,608	1,257,593
10	**TOTAL PRODUCTION PLANT**	9,246,504	153,896	9,400,400
11	**TRANSMISSION PLANT**	992,997	168,203	1,161,200
12	**DISTRIBUTION PLANT**	5,339,529	262,145	5,601,674
13	**GENERAL PLANT**	556,012	31,408	587,420
14	**INCENTIVE COMPENSATION CAPITALIZED**	-	(26,128)	(26,128)
15	**TOTAL PLANT IN SERVICE**	**$ 16,372,353**	**$ 614,454**	**$ 16,986,807**

PRO FORMA ADJUSTMENTS

LINE			(C)	(D)
16	(1)	Eliminate Plant balances related to FAS 143 Asset Retirement Obligation		
17		NUCLEAR	$ (69,165)	
18		STEAM	(146,304)	
19		DISTRIBUTION	-	
20		GENERAL	(2,552)	
21		TOTAL		$ (218,021)
22	(2)	Plant Additions for the true-up period		
23		INTANGIBLE FRANCHISES	1,785	
24		OTHER INTANGIBLE PLANT	23,145	
25		NUCLEAR	113,343	
26		STEAM	218,567	
27		HYDRAULIC	35,848	
28		OTHER	1,608	
29		TRANSMISSION	168,203	
30		DISTRIBUTION	262,145	
31		GENERAL	41,092	
32		TOTAL		865,736
33	(3)	Eliminate portions of plant in service for multi use general facilities which are applicable to gas		
34		operations. For convenience, such facilities are recorded as electric plant but are commonly used for		
35		both electric and gas.		
36		GENERAL		(7,132)
37	(4)	Reduce Plant-in-Service for disallowed capital incentive compensation		
38		GENERAL		(26,128)
39		**TOTAL PRO FORMA ADJUSTMENTS**		**$ 614,455**

AMEREN MISSOURI
TOTAL ELECTRIC RESERVES FOR DEPRECIATION AND AMORTIZATION
BY FUNCTIONAL CLASSIFICATION FOR THE TWELVE MONTHS ENDED MARCH 31, 2016
($000)

LINE	FUNCTIONAL CLASSIFICATION (A)	TOTALS PER BOOKS (B)	PRO FORMA ADJUSTMENTS (C)	PRO FORMA ELECTRIC TOTALS (D)
	INTANGIBLE PLANT			
1	FRANCHISES	$ 9,739	$ 2,444	$ 12,183
2	CALLAWAY LIFE EXTENSION DEFERRAL	-	-	-
3	MISC INTANGIBLE PLANT	74,552	13,240	87,792
4	**TOTAL INTANGIBLE PLANT**	84,291	15,684	99,975
	PRODUCTION PLANT			
5	NUCLEAR	1,431,114	81,194	1,512,308
6	CALLAWAY POST OPERATIONAL	85,080	2,766	87,846
7	STEAM	1,767,492	85,504	1,852,996
8	HYDRAULIC	93,369	7,425	100,794
9	OTHER	603,813	20,799	624,612
10	**TOTAL PRODUCTION PLANT**	3,980,868	197,688	4,178,556
11	**TRANSMISSION PLANT**	324,126	19,700	343,826
12	**DISTRIBUTION PLANT**	2,521,089	122,009	2,643,098
13	**GENERAL PLANT**	183,935	20,403	204,338
14	**INCENTIVE COMPENSATION CAPITALIZED**	-	(7,991)	(7,991)
15	**TOTAL DEPRC. & AMORT RESERVE**	**$ 7,094,309**	**$ 367,493**	**$ 7,461,802**
	PRO FORMA ADJUSTMENTS			
16	(1) Eliminate Reserve balances related to FAS 143 Asset Retirement Obligation			
17	NUCLEAR		$ 28,967	
18	STEAM		(28,880)	
19	DISTRIBUTION		19	
20	GENERAL		(334)	
21	TOTAL			$ (228)
22	(2) Reserve Balance at March 31, 2016 adjusted to reflect Reserve Balance at			
23	December 31, 2016.			
24	INTANGIBLE FRANCHISES		2,444	
25	MISC INTANGIBLE PLANT		11,697	
26	NUCLEAR		51,278	
27	CALLAWAY POST OPERATIONAL		2,766	
28	STEAM		112,410	
29	HYDRAULIC		7,118	
30	OTHER		20,788	
31	TRANSMISSION		18,373	
32	DISTRIBUTION		119,724	
33	GENERAL		22,488	
34	TOTAL			369,086
35	(3) Adjustment to depreciation reserve for the additions to plant in service for the true-			
36	up period of April 1, 2016 through December 31, 2016.			
37	INTANGIBLE FRANCHISES		-	
38	MISC INTANGIBLE PLANT		1,543	
39	NUCLEAR		948	
40	STEAM		1,975	
41	HYDRAULIC		307	
42	OTHER		10	
43	TRANSMISSION		1,327	
44	DISTRIBUTION		2,266	
45	GENERAL		608	
46	TOTAL			8,984
47	(4) Eliminate portions of plant in service for multi use general facilities which are			
48	applicable to gas operations. For convenience, such facilities are recorded as			
49	electric plant but are commonly used for both electric and gas			
50	GENERAL			(2,359)
51	(5) Reserve Balance adjustment for disallowed Incentive Compensation capitalized			
52	GENERAL			(7,991)
53	**TOTAL PRO FORMA ADJUSTMENTS**			**$ 367,492**

AMEREN MISSOURI
AVERAGE FUEL AND MATERIALS & SUPPLIES INVENTORIES
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016
($000)

LINE	DESCRIPTION (A)	TOTALS PER BOOKS (B)	PRO FORMA ADJUSTMENTS (C)	PRO FORMA ELECTRIC TOTALS (D)
1	**AVERAGE NUCLEAR FUEL**	$ 131,441	$ -	$ 131,441
	AVERAGE FOSSIL FUEL:			
2	COAL	159,051	2,495	161,546
3	OIL	4,173	-	4,173
4	STORED GAS FOR CTG'S	1,599	-	1,599
5	**TOTAL FOSSIL FUEL**	164,823	2,495	167,318
6	**EMISSION ALLOWANCES AND RECS**	18,622	-	18,622
7	**GENERAL MATERIALS AND SUPPLIES**	207,523	(1,183)	206,340
8	**TOTAL**	**$ 522,409**	**$ 1,312**	**$ 523,721**

LINE			AMOUNT
		PRO FORMA ADJUSTMENT	
9	(1)	Adjust Coal Supply to reflect 13 month average inventory priced at the January 2017 coal prices.	$ 2,495
10 11	(2)	Eliminate portions of average fuel and general materials and supplies which are applicable to gas operations.	(1,183)
12		**TOTAL PRO FORMA ADJUSTMENTS**	$ 1,312

AMEREN MISSOURI
AVERAGE PREPAYMENTS
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016
($000)

LINE	DESCRIPTION (A)	TOTALS PER BOOKS(1) (B)	PRO FORMA ADJUSTMENTS (C)	PRO FORMA ELECTRIC TOTALS (D)
1	RENTS (3)	$ 8	$ -	$ 8
2	INSURANCE - DIRECT (2)	11,105	(857)	10,248
3	REG. COMMISSION ASSESSMENTS (3)	85	(1)	84
4	COAL CAR LEASE (2)	198	-	198
5	M/A COMM RADIO SYS SRVC AGREEMENT (3)	92	(2)	90
6	MEDICAL AND DENTAL VEBA (3)	4,154	(73)	4,081
7	IMAGING SOFTWARE (ELEC ONLY)	28	-	28
8	FUELWORKS SOFTWARE (ELEC ONLY)	31	-	31
9	ARBOR NEWSTAR SERVICE FEE (3)	126	(2)	124
10	OPTIV GIGAMON (3)	17	-	17
11	MICROSOFT ENTERPRISE APPLICATIONS (3)	1	-	1
12	SECUREWORKS APPLICATIONS (ELEC ONLY)	164	-	164
13	ENERGY EFFICENCY PROGRAM VENDORS (GAS ONLY)	115	(115)	-
14	**TOTAL AVERAGE PREPAYMENTS**	**$ 16,124**	**$ (1,050)**	**$ 15,074**

15 (1) Reflects 13 month average

16 (2) Directly assigned to electric or gas.

13 (3) Allocated to gas based on operating expenses excluding fuel and purchased power.

PRO FORMA ADJUSTMENT

14 (1) Eliminate portions of prepayments which are applicable to gas operations. Allocated between electric $ (1,050)
15 and gas operations based on operating expenses excluding purchased power, off-system sales and
16 purchased gas.

AMEREN MISSOURI
TOTAL ELECTRIC CASH WORKING CAPITAL
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016
($000)

LINE	DESCRIPTION	REVENUE LAG	EXPENSE LEAD (1)	NET LEAD/LAG	FACTOR	TEST YEAR EXPENSE	CASH WORKING CAPITAL REQUIREMENT
	(A)	(B)	(C)	(D)	(E)	(F)	(G)
1	PAYROLL & WITHHOLDINGS	41.640	(12.120)	29.520	0.080877	$ 320,267	$ 25,902
2	PENSIONS AND BENEFITS	41.640	(29.210)	12.430	0.034055	64,556	2,198
3	FUEL						
4	NUCLEAR	41.640	(15.210)	26.430	0.072411	89,269	6,464
5	COAL	41.640	(13.700)	27.940	0.076548	728,334	55,753
6	NATURAL GAS	41.640	(41.580)	0.060	0.000164	3,571	1
7	OIL	41.640	(16.240)	25.400	0.069589	3,893	271
8	PURCHASED POWER	41.640	(25.830)	15.810	0.043315	236,502	10,244
9	INCENTIVE COMPENSATION	41.640	(253.770)	(212.130)	(0.581178)	18,214	(10,586)
10	UNCOLLECTIBLE ACCOUNTS	41.640	(41.640)	0.000	-	12,079	-
11	OTHER OPERATING EXPENSES	41.640	(36.410)	5.230	0.014329	524,398	7,515
12	TOTAL O&M EXPENSES					2,001,083	
13	**TOTAL CASH WORKING CAPITAL REQUIREMENT**						**97,762**
14	FICA - EMPLOYER'S PORTION	41.640	(12.730)	28.910	0.079205	19,336	1,532
15	ST. LOUIS PAYROLL EXPENSE TAXES	41.640	(76.380)	(34.740)	(0.095178)	348	(33)
16	FEDERAL UNEMPLOYMENT TAXES	41.640	(76.380)	(34.740)	(0.095178)	161	(15)
17	STATE UNEMPLOYMENT TAXES	41.640	(76.380)	(34.740)	(0.095178)	-	-
18	CORPORATE FRANCHISE TAXES	41.640	77.500	119.140	0.326411	184	60
19	PROPERTY TAXES	41.640	(182.500)	(140.860)	(0.385918)	151,055	(58,295)
20	DECOMMISSIONING FEES	41.640	(70.630)	(28.990)	(0.079425)	6,759	(537)
21	SALES TAXES	41.640	(38.790)	2.850	0.007808	72,637	567
22	USE TAXES	41.640	(76.380)	(34.740)	(0.095178)	1,774	(169)
23	GROSS RECEIPTS TAXES	29.550	(27.540)	2.010	0.005507	146,652	808
24	TOTAL TAXES AND OTHER EXPENSES					398,906	
25	**NET CUSTOMER SUPPLIED FUNDS**						**$ (56,082)**
26	**NET CASH WORKING CAPITAL REQUIREMENT**						**$ 41,680**

27 (1) Expense Lead per ER-2014-0258.

AMEREN MISSOURI
TOTAL ELECTRIC FEDERAL AND STATE INCOME TAX AND CITY EARNINGS TAX CASH REQUIREMENTS
AND INTEREST EXPENSE CASH REQUIREMENT
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016
($000)

LINE	DESCRIPTION (A)	REVENUE LAG (B)	EXPENSE LEAD (1) (C)	NET LEAD/LAG (D)	FACTOR (E)	TEST YEAR EXPENSE (F)	CASH WORKING CAPITAL REQUIREMENT (G)
1	FEDERAL INCOME TAX CASH REQUIREMENT	41.640	(37.880)	3.760	0.010301	$ 190,331	$ 1,961
2	STATE INCOME TAX CASH REQUIREMENT	41.640	(37.880)	3.760	0.010301	$ 30,333	$ 312
3	CITY EARNINGS TAX CASH REQUIREMENT	41.640	(273.500)	(231.860)	(0.635233)	$ 32	$ (20)
4	INTEREST EXPENSE CASH REQUIREMENT	41.640	(90.760)	(49.120)	(0.134575)	$ 182,831	$ (24,604)

5 (1) Expense Lead per ER-2014-0258.

AMEREN MISSOURI
TOTAL ELECTRIC AVERAGE CUSTOMER ADVANCES FOR CONSTRUCTION AND AVERAGE CUSTOMER DEPOSITS
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016
($000)

LINE	DESCRIPTION (A)	TOTAL ELECTRIC (B)
1	AVERAGE CUSTOMER ADVANCES FOR CONSTRUCTION	$ (7,055)
2	AVERAGE CUSTOMER DEPOSITS	$ (20,418)

AMEREN MISSOURI
OTHER REGULATORY ASSETS
AND REGULATORY LIABILITIES
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016
($000)

LINE	DESCRIPTION (A)	TOTAL ELECTRIC (B)(1)
1	**PENSIONS**	$ (15,928)
2	**OTHER POST-EMPLOYMENT BENEFITS**	$ (15,998)
3	**ENERGY EFFICIENCY**	$ 18,501
4	**FIN 48 LIABILITY TRACKER**	$ 3,351

5 (1) A positive balance is a Regulatory Asset and a negative balance is a
6 Regulatory Liability.

AMEREN MISSOURI
ACCUMULATED DEFERRED INCOME TAXES
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016
($000)

LINE	DESCRIPTION (A)	TOTAL ELECTRIC PER BOOKS (B)	PRO FORMA ADJUSTMENTS (C)	PRO FORMA ELECTRIC TOTAL (D)
1	**ACCOUNT 190**	$ 97,926	$ 1,175	$ 99,101
2	**ACCOUNT 281**	(113,993)	(3,657)	(117,650)
3	**ACCOUNT 282**	(2,583,843)	(177,239)	(2,761,082)
4	**ACCOUNT 283**	(75,894)	5,199	(70,695)
5	**TOTAL ACCUMULATED DEFERRED INCOME TAXES**	**$ (2,675,804)**	**$ (174,522)**	**$ (2,850,326)**

PRO FORMA ADJUSTMENT:

6 Changes in balances from March 31, 2016 to December 31, 2016 the end of true-up period.

AMEREN MISSOURI
TOTAL ELECTRIC PER BOOK AND PRO FORMA OPERATING REVENUES
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016
($000)

LINE		DESCRIPTION (A)	TOTAL ELECTRIC (B)	PRO FORMA ADJUSTMENTS (C)	ADJUSTED TOTAL ELECTRIC (D)
		OPERATING REVENUES			
1		RETAIL REVENUES	$ 3,134,750	$ (476,804)	2,657,946
2		PROVISION FOR RATE REFUNDS	(17,120)	17,120	-
3		OTHER ELECTRIC REVENUES	84,086	515	84,601
4		**TOTAL REVENUES**	**3,201,716**	**(459,169)**	**2,742,547**
5		DISPOSITION OF ALLOWANCES	191	(191)	-
6		OFF-SYSTEM SALES - ENERGY	151,470	130,204	281,674
7		OFF-SYSTEM SALES-CAPACITY REVENUE	58,353	185,462	243,815
8		**TOTAL REVENUES PER BOOKS**	**$ 3,411,730**	**$ (143,694)**	**$ 3,268,036**
		PRO FORMA ADJUSTMENTS:			
9	(1)	REMOVE ADD ON REVENUE TAX	(147,362)		
10	(2)	ELIMINATE REVENUE FROM MEEIA RECOVERIES	(118,661)		
11	(3)	ELIMINATE REVENUE FROM FAC RECOVERIES	(132,381)		
12	(4)	ELIMINATE UNBILLED REVENUE	12,144		
13	(5)	ANNUALIZE 2015 RATE CHANGE	22,142		
14	(6)	ADJUST FOR GROWTH THROUGH MARCH	7,779		
15	(7)	ADJUST FOR GROWTH THROUGH TRUE-UP	12,775		
16	(8)	LARGE TRANSMISSION DEDUCTION	(124,925)		
17	(9)	DAYS ADJUSTMENT	(2,945)		
18	(10)	ADJUST FOR BILLING UNITS	(1,886)		
19	(11)	ADJUST FOR NORMAL WEATHER	(3,484)		
20		TOTAL		(476,804)	
21	(12)	ELIMINATE PROVISION FOR RATE REFUNDS		17,120	
22	(13)	ADJUST TRANSMISSION REVENUES	1,819		
23	(14)	MISC REVENUE FROM COAL REFINEMENT	(163)		
24	(15)	MISC LEASE REVENUE FROM SCADA	(234)		
25	(16)	PAPERLESS BILL CREDIT	(907)		
26		TOTAL		515	
27	(17)	ELIMINATE DISPOSITION OF ALLOWANCES		(191)	
28	(18)	ADJUST OFF-SYSTEM SALES - ENERGY		130,204	
29	(19)	ADJUST OFF-SYSTEM SALES - CAPACITY		185,462	
30		**TOTAL PRO FORMA ADJUSTMENTS**		$ (143,694)	

AMEREN MISSOURI
ELECTRIC OPERATING AND MAINTENANCE EXPENSES
PER BOOK AND PRO FORMA
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016 UPDATED THROUGH DECEMBER 31, 2016
($000)

LINE	FUNCTIONAL CLASSIFICATION (A)	TOTAL PER BOOKS (B)	#1 LABOR ADJUSTMENT (C)	#2 INCENTIVE COMPENSATION ADJUSTMENT (D)	#3 LONG TERM INCENTIVE COMPENSATION ADJUSTMENT (E)	#4 ENERGY EFFICIENCY LABOR ADJUSTMENT (F)	#5 CIP5 SECURITY ADJUSTMENT (G)	#6 INCREASE FUEL EXPENSE FOR DEC GROWTH (H)	#7 ADJUST PURCHASED POWER FOR DEC GROWTH (I)	#8 TRANSMISSION ADJUSTMENT (I)
	PRODUCTION:									
	INCREMENTAL COSTS:									
1	LABOR	$ 190,995	$ 7,107	$ (990)	$ (2,184)	$ -	$ -	$ -	$ -	$ -
	FUEL (EXCL. W/H CR.)									
2	BASE LOAD	628,576	-	-	-	-	-	208,995	-	-
3	INTERCHANGE	145,428	-	-	-	-	-	(145,428)	-	-
4	FUEL ADDITIVES	5,169	-	-	-	-	-	6,553	-	-
	PURCHASED POWER									
	ENERGY									
5	BASE LOAD	49,489	-	-	-	-	-	-	(11,892)	-
6	INTERCHANGE	(2,567)	-	-	-	-	-	-	2,567	-
	CAPACITY COSTS									
7	BASE LOAD	8,507	-	-	-	-	-	-	190,398	-
8	INTERCHANGE	-	-	-	-	-	-	-	-	-
9	OTHER	279,735	-	-	-	-	-	-	-	(82)
10	TOTAL PRODUCTION EXPENSES	1,305,332	7,107	(990)	(2,184)	-	-	70,120	181,073	(82)
	TRANSMISSION EXPENSES:									
11	LABOR	8,429	345	(44)	(390)	-	79	-	-	-
12	OTHER	65,486	-	-	-	-	-	-	-	22,130
13	TOTAL TRANSMISSION EXPENSES	73,915	345	(44)	(390)	-	79	-	-	22,130
	REGIONAL MARKET EXPENSES:									
14	LABOR	-	-	-	-	-	-	-	-	-
15	OTHER	7,001	-	-	-	-	-	-	-	(608)
16	TOTAL REGIONAL MARKET EXPENSES	7,001	-	-	-	-	-	-	-	(608)
	DISTRIBUTION EXPENSES:									
17	LABOR	58,928	2,051	(305)	(838)	-	-	-	-	-
18	OTHER	89,754	-	-	-	-	-	-	-	-
19	TOTAL DISTRIBUTION EXPENSES	148,682	2,051	(305)	(838)	-	-	-	-	-
	CUSTOMER ACCOUNTING EXPENSES:									
20	LABOR	7,304	243	(38)	(101)	-	-	-	-	-
21	OTHER	43,402	-	-	-	-	-	-	-	-
22	TOTAL CUSTOMER ACCOUNTING EXPENSES	50,706	243	(38)	(101)	-	-	-	-	-
	CUSTOMER SERV. & INFO. EXPENSES:									
23	LABOR	14,766	501	(77)	(202)	(3,953)	-	-	-	-
24	OTHER	85,945	-	-	-	-	-	-	-	-
25	TOTAL CUSTOMER SERV. & INFO. EXPENSES	100,711	501	(77)	(202)	(3,953)	-	-	-	-
	SALES EXPENSES:									
26	LABOR	397	22	(2)	-	-	-	-	-	-
27	OTHER	40	-	-	-	-	-	-	-	-
28	TOTAL SALES EXPENSES	437	22	(2)	-	-	-	-	-	-
	ADMINISTRATIVE & GENERAL EXPENSES:									
29	LABOR	53,570	2,217	(278)	(3,965)	-	-	-	-	-
30	OTHER	210,390	-	-	-	-	-	-	-	-
31	**TOTAL ADMINISTRATIVE & GENERAL EXPENSES**	263,960	2,217	(278)	(3,965)	-	-	-	-	-
32	**TOTAL OPERATIONS & MAINTENANCE EXPENSES**	**$ 1,950,744**	**$ 12,486**	**$ (1,734)**	**$ (7,680)**	**$ (3,953)**	**$ 79**	**$ 70,120**	**$ 181,073**	**$ 21,440**

33 **NOTE:** See SCHEDULE LMM-11-5 for explanation of the pro forma adjustments.

AMEREN MISSOURI
ELECTRIC OPERATING AND MAINTENANCE EXPENSES
PER BOOK AND PRO FORMA
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016 UPDATED THROUGH DECEMBER 31, 2016
($000)

LINE	FUNCTIONAL CLASSIFICATION (A)	#9 MARK TWAIN TRANSMISSION ADJUSTMENT (J)	#10 COAL REFINEMENT ADJUSTMENT (J)	#11 ANNUAL RAD WASTE DISPOSAL (B)	#12 ELIMINATE FAC RECOVERY (C)	#13 CALLAWAY REFUELING EXPENSES (D)	#14 ELIMINATE COLA WRITE-OFF (E)	#15 OTHER RES AMORT ADJUSTMENT (F)	#16 REBASE RES EXPENSE (G)	#17 ANNUALIZE SOLAR REBATE AMORT (H)
	PRODUCTION:									
	INCREMENTAL COSTS:									
1	LABOR	$ -	$ -	$ -	$ -	$ 4,901	$ -	$ -	$ -	$ -
	FUEL (EXCL. W/H CR.)									
2	BASE LOAD	-	-	-	-	-	-	-	-	-
3	INTERCHANGE	-	-	-	-	-	-	-	-	-
4	FUEL ADDITIVES	-	-	-	-	-	-	-	-	-
	PURCHASED POWER									
	ENERGY									
5	BASE LOAD	-	-	-	-	-	-	-	-	-
6	INTERCHANGE	-	-	-	-	-	-	-	-	-
	CAPACITY COSTS									
7	BASE LOAD	-	-	-	-	-	-	-	-	-
8	INTERCHANGE	-	-	-	-	-	-	-	-	-
9	OTHER	-	11,895	2,571	(105,100)	5,617	(69,158)	1,657	7,191	-
10	TOTAL PRODUCTION EXPENSES	-	11,895	2,571	(105,100)	10,518	(69,158)	1,657	7,191	-
	TRANSMISSION EXPENSES:									
11	LABOR	-	-	-	-	-	-	-	-	-
12	OTHER	(11)	-	-	-	-	-	-	-	-
13	TOTAL TRANSMISSION EXPENSES	(11)	-	-	-	-	-	-	-	-
	REGIONAL MARKET EXPENSES:									
14	LABOR	-	-	-	-	-	-	-	-	-
15	OTHER	-	-	-	-	-	-	-	-	-
16	TOTAL REGIONAL MARKET EXPENSES	-	-	-	-	-	-	-	-	-
	DISTRIBUTION EXPENSES:									
17	LABOR	-	-	-	-	-	-	-	-	-
18	OTHER	-	-	-	-	-	-	-	-	-
19	TOTAL DISTRIBUTION EXPENSES	-	-	-	-	-	-	-	-	-
	CUSTOMER ACCOUNTING EXPENSES:									
20	LABOR	-	-	-	-	-	-	-	-	-
21	OTHER	-	-	-	-	-	-	-	-	-
22	TOTAL CUSTOMER ACCOUNTING EXPENSES	-	-	-	-	-	-	-	-	-
	CUSTOMER SERV. & INFO. EXPENSES:									
23	LABOR	-	-	-	-	-	-	-	-	-
24	OTHER	-	-	-	-	-	-	-	-	(9,484)
25	TOTAL CUSTOMER SERV. & INFO. EXPENSES	-	-	-	-	-	-	-	-	(9,484)
	SALES EXPENSES:									
26	LABOR	-	-	-	-	-	-	-	-	-
27	OTHER	-	-	-	-	-	-	-	-	-
28	TOTAL SALES EXPENSES	-	-	-	-	-	-	-	-	-
	ADMINISTRATIVE & GENERAL EXPENSES:									
29	LABOR	-	-	-	-	-	-	-	-	-
30	OTHER	-	-	-	-	-	-	-	-	-
31	**TOTAL ADMINISTRATIVE & GENERAL EXPENSES**	-	-	-	-	-	-	-	-	-
32	**TOTAL OPERATIONS & MAINTENANCE EXPENSES**	**$ (11)**	**$ 11,895**	**$ 2,571**	**$ (105,100)**	**$ 10,518**	**$ (69,158)**	**$ 1,657**	**$ 7,191**	**$ (9,484)**

33 **NOTE:** See SCHEDULE LMM-11-5 for explanation of the pro forma adjustments.

AMEREN MISSOURI
ELECTRIC OPERATING AND MAINTENANCE EXPENSES
PER BOOK AND PRO FORMA
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016 UPDATED THROUGH DECEMBER 31, 2016
($000)

LINE	FUNCTIONAL CLASSIFICATION (A)	#18 AMORTIZE UNDERCOLLECT OF SOLAR REBATES (I)	#19 DEPRECIATION TO O&M ADJUSTMENT (B)	#20 ANNUALIZE STORM COSTS (C)	#21 ELIMINATE VEG MGMT & INSPECTIONS TRACKER (D)	#22 ADD INTEREST ON CUSTOMER DEPOSITS (E)	#23 ENERGY EFFICIENCY PROGRAM COST RECOVERY ADJUSTMENT (F)	#24 ADJUST. SCADA EXPENSES (G)	#25 TAUM SAUK ADJUSTMENT (H)	#26 INSURANCE ADJUST. (I)
	PRODUCTION:									
	INCREMENTAL COSTS:									
1	LABOR	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	FUEL (EXCL. W/H CR.)									
2	BASE LOAD	-	-	-	-	-	-	-	-	-
3	INTERCHANGE	-	-	-	-	-	-	-	-	-
4	FUEL ADDITIVES	-	-	-	-	-	-	-	-	-
	PURCHASED POWER									
	ENERGY									
5	BASE LOAD	-	-	-	-	-	-	-	-	-
6	INTERCHANGE	-	-	-	-	-	-	-	-	-
	CAPACITY COSTS									
7	BASE LOAD	-	-	-	-	-	-	-	-	-
8	INTERCHANGE	-	-	-	-	-	-	-	-	-
9	OTHER	-	20	-	-	-	-	-	-	-
10	TOTAL PRODUCTION EXPENSES	-	20	-	-	-	-	-	-	-
	TRANSMISSION EXPENSES:									
11	LABOR	-	-	-	-	-	-	-	-	-
12	OTHER	-	-	-	-	-	-	-	-	-
13	TOTAL TRANSMISSION EXPENSES	-	-	-	-	-	-	-	-	-
	REGIONAL MARKET EXPENSES:									
14	LABOR	-	-	-	-	-	-	-	-	-
15	OTHER	-	-	-	-	-	-	-	-	-
16	TOTAL REGIONAL MARKET EXPENSES	-	-	-	-	-	-	-	-	-
	DISTRIBUTION EXPENSES:									
17	LABOR	-	-	-	-	-	-	-	-	-
18	OTHER	-	113	2,931	2,228	-	-	-	-	-
19	TOTAL DISTRIBUTION EXPENSES	-	113	2,931	2,228	-	-	-	-	-
	CUSTOMER ACCOUNTING EXPENSES:									
20	LABOR	-	-	-	-	-	-	-	-	-
21	OTHER	-	-	-	-	868	-	-	-	-
22	TOTAL CUSTOMER ACCOUNTING EXPENSES	-	-	-	-	868	-	-	-	-
	CUSTOMER SERV. & INFO. EXPENSES:									
23	LABOR	-	-	-	-	-	-	-	-	-
24	OTHER	1,355	-	-	-	-	(53,429)	-	-	-
25	TOTAL CUSTOMER SERV. & INFO. EXPENSES	1,355	-	-	-	-	(53,429)	-	-	-
	SALES EXPENSES:									
26	LABOR	-	-	-	-	-	-	-	-	-
27	OTHER	-	-	-	-	-	-	-	-	-
28	TOTAL SALES EXPENSES	-	-	-	-	-	-	-	-	-
	ADMINISTRATIVE & GENERAL EXPENSES:									
29	LABOR	-	-	-	-	-	-	-	(8)	-
30	OTHER	-	-	-	-	-	(10)	(114)	(525)	390
31	**TOTAL ADMINISTRATIVE & GENERAL EXPENSES**	-	-	-	-	-	(10)	(114)	(533)	390
32	**TOTAL OPERATIONS & MAINTENANCE EXPENSES**	**$ 1,355**	**$ 133**	**$ 2,931**	**$ 2,228**	**$ 868**	**$ (53,439)**	**$ (114)**	**$ (533)**	**$ 390**

33 **NOTE:** See SCHEDULE LMM-11-5 for explanation of the pro forma adjustments.

AMEREN MISSOURI
ELECTRIC OPERATING AND MAINTENANCE EXPENSES
PER BOOK AND PRO FORMA
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016 UPDATED THROUGH DECEMBER 31, 2016
($000)

LINE	FUNCTIONAL CLASSIFICATION (A)	#27 PRO FORMA MEDICAL & BENEFIT ADJUST. (B)	#28 NON-QUALIFIED PENSION ADJUST. (C)	#29 REBASE PENSION AND OPEB TRACKER (D)	#30 AMORTIZE PENSION AND OPEB TRACKER (E)	#31 BOARD OF DIRECTORS EXPENSE ADJUSTMENT (F)	#32 NET RATE CASE EXPENSES (G)	#33 MPSC ASSESSMENT (H)	TOTAL PRO FORMA ADJUSTMENT (I)	PRO FORMA ELECTRIC TOTALS (H)
	PRODUCTION:									
	INCREMENTAL COSTS:									
1	LABOR	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 8,834	$ 199,829
	FUEL (EXCL. W/H CR.)									
2	BASE LOAD	-	-	-	-	-	-	-	208,995	837,571
3	INTERCHANGE	-	-	-	-	-	-	-	(145,428)	-
4	FUEL ADDITIVES	-	-	-	-	-	-	-	6,553	11,722
	PURCHASED POWER									
	ENERGY									
5	BASE LOAD	-	-	-	-	-	-	-	(11,892)	37,597
6	INTERCHANGE	-	-	-	-	-	-	-	2,567	-
	CAPACITY COSTS								-	
7	BASE LOAD	-	-	-	-	-	-	-	190,398	198,905
8	INTERCHANGE	-	-	-	-	-	-	-	-	-
9	OTHER	-	-	-	-	-	-	-	(145,389)	134,346
10	TOTAL PRODUCTION EXPENSES	-	-	-	-	-	-	-	114,638	1,419,970
	TRANSMISSION EXPENSES:									
11	LABOR	-	-	-	-	-	-	-	(10)	8,419
12	OTHER	-	-	-	-	-	-	-	22,119	87,605
13	TOTAL TRANSMISSION EXPENSES	-	-	-	-	-	-	-	22,109	96,024
	REGIONAL MARKET EXPENSES:									
14	LABOR	-	-	-	-	-	-	-	-	-
15	OTHER	-	-	-	-	-	-	-	(608)	6,393
16	TOTAL REGIONAL MARKET EXPENSES	-	-	-	-	-	-	-	(608)	6,393
	DISTRIBUTION EXPENSES:									
17	LABOR	-	-	-	-	-	-	-	908	59,836
18	OTHER	-	-	-	-	-	-	-	5,272	95,026
19	TOTAL DISTRIBUTION EXPENSES	-	-	-	-	-	-	-	6,180	154,862
	CUSTOMER ACCOUNTING EXPENSES:									
20	LABOR	-	-	-	-	-	-	-	104	7,408
21	OTHER	-	-	-	-	-	-	-	868	44,270
22	TOTAL CUSTOMER ACCOUNTING EXPENSES	-	-	-	-	-	-	-	972	51,678
	CUSTOMER SERV. & INFO. EXPENSES:									
23	LABOR	-	-	-	-	-	-	-	(3,731)	11,035
24	OTHER	-	-	-	-	-	-	-	(61,558)	24,387
25	TOTAL CUSTOMER SERV. & INFO. EXPENSES	-	-	-	-	-	-	-	(65,289)	35,422
	SALES EXPENSES:									
26	LABOR	-	-	-	-	-	-	-	20	417
27	OTHER	-	-	-	-	-	-	-	-	40
28	TOTAL SALES EXPENSES	-	-	-	-	-	-	-	20	457
	ADMINISTRATIVE & GENERAL EXPENSES:									
29	LABOR	-	-	-	-	-	-	-	(2,034)	51,536
30	OTHER	(424)	(489)	(20,627)	(4,006)	(421)	266	311	(25,649)	184,741
31	**TOTAL ADMINISTRATIVE & GENERAL EXPENSES**	(424)	(489)	(20,627)	(4,006)	(421)	266	311	(27,683)	236,277
32	**TOTAL OPERATIONS & MAINTENANCE EXPENSES**	**$ (424)**	**$ (489)**	**$ (20,627)**	**$ (4,006)**	**$ (421)**	**$ 266**	**$ 311**	**$ 50,339**	**$ 2,001,083**

33 **NOTE:** See SCHEDULE LMM-11-5 for explanation of the pro forma adjustments.

AMEREN MISSOURI
ELECTRIC OPERATING AND MAINTENANCE EXPENSE
PRO FORMA ADJUSTMENTS
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016
($000)

LINE	PRO FORMA ITEM NO. (A)	DESCRIPTION (B)	TOTAL AMOUNT (C)
1 2 3	(1)	Increased labor expense from annualizing the average 3.26% wage increase for management employees effective January 1, 2016, and January 1, 2017 and the 2.00% wage increase for the Company's union employees effective July 1, 2015 and 2016 per the labor contracts.	$ 12,486
4 5	(2)	Decrease the incentive compensation expense for the incentive compensation applicable to AMS and Ameren Missouri officers related to earnings.	$ (1,734)
6	(3)	Eliminate the long term incentive compensation expense.	$ (7,680)
7	(4)	Reduce Labor expense for Energy Efficiency internal labor to be included in MEEIA Rider	$ (3,953)
8	(5)	Increase Labor for CIP5 Transmission expense	$ 79
9 10	(6)	Increase in fuel expense to reflect the normalized sales and customer growth through December 31, 2016 reflecting 1/1/2017 fuel prices.	$ 70,120
11 12	(7)	Increase in purchased power expense to reflect normalized sales and customer growth through December 31, 2016 and normalized power prices.	$ 181,073
13	(8)	Increase transmission expenses for increased MISO costs and changes due to loss of Noranda load..	$ 21,440
14	(9)	Decrease in transmission expense related to Mark Twain Transmission project.	$ (11)
15	(10)	Increase the coal handling costs to reflect the reduced annualized amount of coal refinement.	$ 11,895
16	(11)	Increase in production expenses to record actual amount of low-level radiactive waste expenditures.	$ 2,571
17	(12)	Eliminate test year FAC recovery	$ (105,100)
18 19	(13)	Increase to the nuclear production expense to include one-third of the Fall 2014 Callaway Nuclear Plant refueling expenses.	$ 10,518
20	(14)	Eliminate COLA Write-off (Callaway 2).	$ (69,158)
21	(15)	Increase in production expenses for amortization of RES cost regulatory asset	$ 1,657
22	(16)	Increase in production expenses for rebase of RES expenses	$ 7,191
23	(17)	Decrease in production expenses for rebase of Solar Rebates amortizations.	$ (9,484)
24	(18)	Increase in production expense for amortization of under collections of Solar Rebates	$ 1,355
25	(19)	Increase in production and distribution expenses for increase in depreciation charged to O&M	$ 133
26	(20)	Increase in distribution expense to normalize storm costs.	$ 2,931
27	(21)	Increase in distribution expense to eliminate vegetation and inspection tracker.	$ 2,228
28 29	(22)	Increase in customer accounting expenses to reflect interest expense at 4.25% on the average customer deposit balance.	$ 868
30	(23)	Eliminate test year MEEIA program costs.	$ (53,439)
31	(24)	Reduce expenses for SCADA	$ (114)
32 33	(25)	Reduce operating expenses to remove the expenses related to the Taum Sauk reservoir failure that were recorded in the test year operating expenses.	$ (533)
34	(26)	Annualize insurance expense based upon current insurance premiums.	$ 390
35 36	(27)	Decrease administrative and general expenses to reflect annualized year 2016 in the major medical and other employee benefit expenses.	$ (424)
37	(28)	Decrease non-qualified pension expense to reflect current level of expense.	$ (489)
38	(29)	Rebase Pension and OPEB Tracker to year 2016 level.	$ (20,627)
39	(30)	Reduce the amortization of the net regulatory liabilities for Pension and OPEB Tracker.	$ (4,006)
40	(31)	Reduce Board of Director meeting expenses.	$ (421)
41 42	(32)	Increase administrative and general expenses to reflect the expenses that have been and will be incurred to prepare and litigate this rate increase filing over the amount in the test year.	$ 266
43	(33)	Increase test year expenses to annualize MPSC Assessment.	$ 311
44	**Total Pro Forma Adjustments to Electric Operating and Maintenance Expenses**		$ 50,339

AMEREN MISSOURI
DEPRECIATION & AMORTIZATION EXPENSE
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016
($000)

LINE	DESCRIPTION (A)	TOTALS PER BOOKS (B)	PRO FORMA ADJUSTMENTS(1) (C)	PRO FORMA ELECTRIC TOTALS (D)
	DEPRECIATION EXPENSE:			
1	STEAM	141,218	12,004	153,222
2	NUCLEAR	66,981	4,234	71,215
3	CALLAWAY DECOMMISSIONING	6,759	-	6,759
4	HYDRAULIC	9,067	1,157	10,224
5	OTHER	27,432	317	27,749
6	TRANSMISSION PLANT	23,728	4,452	28,180
7	DISTRIBUTION PLANT	159,472	6,959	166,431
8	GENERAL PLANT	18,335	1,721	20,056
9	TOTAL DEPRECIATION EXPENSE	452,992	30,844	483,836
	PLANT AMORTIZATION:			
10	INTANGIBLE PLANT	18,182	3,864	22,046
11	HYDRAULIC PLANT	757	-	757
12	TRANSMISSION PLANT	355	-	355
13	GENERAL PLANT	-	-	-
14	TOTAL PLANT AMORTIZATION	19,294	3,864	23,158
	MISC. AMORTIZATION:			
15	CALLAWAY POST OPERATIONAL	3,687	-	3,687
16	CALLAWAY LIFE EXTEN AMORT	-	111	111
17	AMORT OF FUKUSHIMA STUDY COSTS	77	15	92
18	SIOUX SCRUBBER CONSTRUCTION ACCOUNTING	1,131	910	2,041
19	AMORT. OF 2009 STORM COSTS	200	(200)	-
20	RECORDING STORM TRACKER LIABILITY	1,134	(1,134)	-
21	AMORT. OF STORM TRACKERS	(1,069)	(780)	(1,849)
22	AMORT. OF VEGETATION MANAGEMENT &			
23	INFRASTRUCTURE INSPECTION REG. ASSETS	473	(31)	442
24	AMORT. OF ENERGY EFFICIENCY REG ASSETS	13,148	146	13,294
25	MEEIA PROGRAM COSTS	(13,008)	13,008	-
26	AMORT. OF EQUITY ISSUANCE COSTS	663	(663)	-
27	AMORT. OF VSE/ISP SEVERANCE PAY	-	-	-
28	AMORT OF LOW INCOME SURCHARGE	535	(535)	-
29	OVERCOLLECTION AMORTIZATION	1,029	(1,504)	(475)
30	AMORT OF FIN 48 TRACKER	(2,264)	2,080	(184)
31	AMORT OF LOST FIXED COST	-	8,147	8,147
32	TOTAL MISC AMORTIZATION	5,736	19,570	25,306
33	TOTAL DEPR & AMORTIZATION EXPENSE	$ 478,022	$ 54,278	$ 532,300

34 (1) See SCHEDULE LMM-12-2 for explanation of the pro forma adjustments.

AMEREN MISSOURI
ELECTRIC DEPRECIATION & AMORTIZATION EXPENSE PRO FORMA ADJUSTMENTS
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016
($000)

LINE	ITEM NO. (A)	DESCRIPTION (B)		PRO FORMA ADJUSTMENTS (C)
1	(1)	To reflect the book depreciation annualized for the plant in service depreciable balances at		
2		March 31, 2016		
3		Change in Depr. Exp. - Steam	$	6,621
4		Change in Depr. Exp. - Nuclear		1,389
5		Change in Depr. Exp. - Hydro		235
6		Change in Depr. Exp. - Other Prod.		286
7		Change in Depr. Exp. - Transmission		472
8		Change in Depr. Exp. - Distribution		160
9		Change in Depr. Exp. - General Plant		11,397
10		Change in Depr. Exp. - Incentive Comp Capitalized		(786)
11		Change in Amor. Exp. - Intangible Plant		(765)
12		Total Increase in Depreciation Expense	$	19,009
13	(2)	To reflect a full year's depreciation expense at book depreciation rates on the additions to		
14		plant in service from April 2016 through December 2016 to reflect the true-up.		
15		Increase in Depr. Exp. - Steam	$	5,924
16		Increase in Depr. Exp. - Nuclear		2,845
17		Increase in Depr. Exp. - Hydro		922
18		Increase in Depr. Exp. - Other Prod.		31
19		Increase in Depr. Exp. - Transmission		3,980
20		Increase in Depr. Exp. - Distribution		6,799
21		Increase in Depr. Exp. - General Plant		2,011
22		Increase in Amort. Exp. - Intangible Plant		4,629
23		Total Increase in Depreciation Expense	$	27,141
24	(3)	To reduce depreciation expense charged to O&M		
25		Decrease in Depr. Exp. - Steam	$	(541)
26		Decrease in Depr. Exp. - General Plant		(10,901)
27		Total Decrease in Depreciation Expense	$	(11,442)
28	(4)	To reflect the amortization of Callaway Life Extension costs	$	111
29	(5)	To reflect the amortization of Fukushima Study Costs	$	15
30	(6)	To eliminate the amortizations of the Sioux Scrubber Construction Accounting	$	910
31		contra regulatory assets.		
32	(7)	To eliminate the amortization of storm costs from previous orders	$	(200)
33	(8)	To eliminate recording of Storm Cost Tracker	$	(1,134)
34	(9)	To reflect amortization of storm tracker regulatory liabliities	$	(780)
35	(10)	To reflect the net amortization of the vegetation management and infrastructure	$	(31)
36		inspection trackers		
37	(11)	To reflect amortizations of the Energy Efficiency regulatory asset	$	146
38	(12)	To eliminate MEEIA Program Costs being moved to rider.	$	13,008
39	(13)	To eliminate amortization of Equity Issuance Cost regulatory asset	$	(663)
40	(14)	To reflect the elimination of Low Income Surcharge from Amortizations	$	(535)
41	(15)	To reflect amortization of Overcollection Regulatory Liability and eliminate recording	$	(1,504)
42		of the regulatory liability.		
43	(16)	To reflect the amortization of the FIN 48 Tracker	$	2,080
44	(17)	To reflect the amortization of the Noranda Lost Fixed Cost	$	8,147
45	**TOTAL PRO FORMA ADJUSTMENTS: DEPRECIATION & AMORTIZATION**		$	54,278

AMEREN MISSOURI
TAXES OTHER THAN INCOME TAXES
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016
($000)

LINE	DESCRIPTION (A)	TOTAL PER BOOKS (B)	PRO FORMA ADJUSTMENTS(1) (C)	PRO FORMA ELECTRIC TOTALS (D)
	PAYROLL TAXES			
1	F.I.C.A.	$ 19,055	$ 281	$ 19,336
2	FEDERAL UNEMPLOYMENT	161	-	161
3	MISSOURI UNEMPLOYMENT	-	-	-
4	ST. LOUIS EMPLOYMENT TAX	348	-	348
5	TOTAL PAYROLL TAXES	19,564	281	19,845
	R.E., P.P. & CORP FRANCHISE			
6	MISSOURI R.E., & P.P.	147,891	4,460	152,351
7	ILLINOIS R.E., & P.P.	3,555	187	3,742
8	IOWA R.E., & P.P.	1,281	(69)	1,212
9	OTHER STATES R.E. & P.P.	44	52	96
10	R.E. TAXES CAPITALIZED	(6,257)	-	(6,257)
11	TRANSFER TO GAS	(89)	-	(89)
12	TOTAL R.E., P.P. & CORP FRANCHISE	146,425	4,630	151,055
13	**MUNICIPAL GROSS RECEIPTS**	146,652	(146,652)	-
	MISCELLANEOUS			
14	MISSOURI CORP FRANCHISE	72	-	72
15	ILLINOIS CORP FRANCHISE	112	-	112
16	FED. EXCISE TAX-HEAVY VEH. USE TAX	11	-	11
17	MO. EXCISE - NEIL INS. PREM.	-	-	-
18	MISCELLANEOUS	211	-	211
19	TOTAL MISCELLANEOUS	406	-	406
20	**TOTAL TAXES OTHER THAN INCOME TAXES**	**$ 313,047**	**$ (141,741)**	**$ 171,306**

21 (1) See SCHEDULE LMM-13-2 for explanation of the pro forma adjustments.

AMEREN MISSOURI
TAXES OTHER THAN INCOME
PRO FORMA ADJUSTMENTS
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016
($000)

LINE	ITEM NO. (A)	DESCRIPTION (B)	PRO FORMA AMOUNT (C)
1	(1)	Increase the F.I.C.A. taxes to reflect the pro forma wage adjustments.	$ 281
2	(2)	Increase Real Estate and Personal Property Taxes to 2016 expense level.	$ 4,945
3 4	(3)	Eliminate the property taxes on future use plant, as this investment is excluded from rate base.	$ (314)
5	(4)	Eliminate the gross receipts tax as they are a pass through tax.	$ (146,652)
6		**Total Pro Forma Adjustments to Taxes Other Than Income**	$ (141,740)

AMEREN MISSOURI

TOTAL ELECTRIC INCOME TAXES AT THE PROPOSED RETURN
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016
($000)

LINE	DESCRIPTION (A)	(B)	TOTAL ELECTRIC (C)
1	TOTAL ELECTRIC NET INCOME FROM OPERATIONS		$ 554,970
	ADD		
2	CURRENT INCOME TAXES		220,696
3	DEFERRED INCOME TAXES		
4	DEFERRED INCOME TAX EXPENSE		(814)
5	I.T.C. AMORTIZATION		(5,101)
6	TOTAL ELECTRIC NET INCOME BEFORE INCOME TAX		769,751
	ADDITIONS TO NET INCOME BEFORE INCOME TAX		
7	BOOK DEPRECIATION		483,835
8	BOOK DEPRECIATION CHARGED TO O&M		11,442
9	INTANGIBLE AMORTIZATIONS		22,047
10	HYDRAULIC AMORTIZATIONS		757
11	TRANSMISSION AMORTIZATIONS		355
12	CALLAWAY POST OPERATIONAL COSTS		3,687
13	EQUITY ISSUANCE COSTS		-
14	TOTAL ADDITIONS		522,123
	SUBTRACTIONS TO NET INCOME BEFORE INCOME TAX		
15	INTEREST ON DEBT (1)		182,831
16	TAX STRAIGHT LINE		517,105
17	PRODUCTION DEDUCTION		4,237
18	NUCLEAR DECOMMISSIONING		6,759
19	PREFERRED DIVIDEND DEDUCTION		415
20	TOTAL SUBTRACTIONS		711,347
21	**TOTAL ELECTRIC NET TAXABLE INCOME**		**580,527**
	FEDERAL INCOME TAX		
22	NET TAXABLE INCOME		580,527
23	DEDUCT MISSOURI INCOME TAX		30,334
24	DEDUCT CITY EARNINGS TAX		32
25	FEDERAL TAXABLE INCOME		550,161
26	**FEDERAL INCOME TAX**	**35.00%**	192,556
	LESS TAX CREDITS		
27	RESEARCH CREDIT		617
28	PRODUCTION TAX CREDIT		1,608
29	**TOTAL ELECTRIC FEDERAL INCOME TAX**		**190,331**
	STATE INCOME TAXES		
30	NET TAXABLE INCOME		580,527
31	DEDUCT 50% OF FEDERAL INCOME TAX		95,166
32	DEDUCT CITY EARNINGS TAX		32
33	MISSOURI TAXABLE INCOME		485,329
34	**TOTAL ELECTRIC MISSOURI INCOME TAX**	**6.25%**	**30,334**
	CITY EARNINGS TAX		
35	NET TAXABLE INCOME		580,527
36	LESS TAX ADJUSTMENTS TO INCOME		550,439
37	CITY TAXABLE INCOME		30,088
38	CITY EARNINGS TAX	**0.1057%**	32
39	LESS: TAX CREDIT		-
40	**TOTAL ELECTRIC NET CITY EARNINGS TAX**		**32**
41	**TOTAL ELECTRIC CURRENT INCOME TAXES**		**220,697**
	DEFERRED INCOME TAXES:		
42	DEFERRED INCOME TAX EXPENSE		(814)
43	I.T.C. AMORTIZATION		(5,101)
44	**TOTAL ELECTRIC DEFERRED INCOME TAX**		**(5,915)**
45	**TOTAL ELECTRIC CURRENT & DEFERRED INCOME TAX**		**$ 214,782**
46	(1) RATE BASE X EMBEDDED		
47	COST OF DEBT.	**2.541%**	

AMEREN MISSOURI
TOTAL ELECTRIC NET ORIGINAL COST RATE BASE AND REVENUE REQUIREMENT
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016
($000)

LINE	DESCRIPTION (A)	REFERENCE (B)	TOTAL ELECTRIC AMOUNT (C)
	A. TOTAL ELECTRIC NET ORIGINAL COST RATE BASE		
1	ORIGINAL COST OF PLANT IN SERVICE	SCHEDULE LMM-1	$ 16,986,807
2	LESS: RESERVES FOR DEPRECIATION & AMORTIZATION	SCHEDULE LMM-2	7,461,802
3	NET ORIGINAL COST OF PLANT		9,525,005
4	AVERAGE FUEL AND MATERIALS AND SUPPLIES	SCHEDULE LMM-3	523,721
5	AVERAGE PREPAYMENTS	SCHEDULE LMM-4	15,074
6	CASH WORKING CAPITAL (LEAD/LAG)	SCHEDULE LMM-5	41,680
7	FEDERAL INCOME TAX CASH REQUIREMENT	SCHEDULE LMM-6	1,961
8	STATE INCOME TAX CASH REQUIREMENT	SCHEDULE LMM-6	312
9	CITY EARNINGS TAX CASH REQUIREMENT	SCHEDULE LMM-6	(20)
10	INTEREST EXPENSE CASH REQUIREMENT	SCHEDULE LMM-6	(24,604)
11	AVERAGE CUSTOMER ADVANCES FOR CONSTRUCTION	SCHEDULE LMM-7	(7,055)
12	AVERAGE CUSTOMER DEPOSITS	SCHEDULE LMM-7	(20,418)
13	PENSION TRACKER REG ASSET	SCHEDULE LMM-8	(15,928)
14	OPEB TRACKER REG LIABILITY	SCHEDULE LMM-8	(15,998)
15	ENERGY EFFICIENCY REGULATORY ASSET	SCHEDULE LMM-8	18,501
16	FIN 48 TRACKER REGULATORY ASSET AND LIABILITY	SCHEDULE LMM-8	3,351
17	ACCUMULATED DEFERRED INCOME TAXES	SCHEDULE LMM-9	(2,850,326)
18	**TOTAL ELECTRIC NET ORIGINAL COST RATE BASE**		**$ 7,195,256**
	B. TOTAL ELECTRIC REVENUE REQUIREMENT		
	TOTAL ELECTRIC OPERATING EXPENSES:		
19	PRODUCTION	SCHEDULE LMM-11-4	$ 1,419,970
20	TRANSMISSION	SCHEDULE LMM-11-4	96,024
21	REGIONAL MARKET EXPENSES	SCHEDULE LMM-11-4	6,393
22	DISTRIBUTION	SCHEDULE LMM-11-4	154,862
23	CUSTOMER ACCOUNTS	SCHEDULE LMM-11-4	51,678
24	CUSTOMER SERVICE	SCHEDULE LMM-11-4	35,422
25	SALES	SCHEDULE LMM-11-4	457
26	ADMINISTRATIVE AND GENERAL	SCHEDULE LMM-11-4	236,277
27	TOTAL ELECTRIC OPERATING EXPENSES		2,001,083
28	DEPRECIATION AND AMORTIZATION	SCHEDULE LMM-12-1	532,300
29	TAXES OTHER THAN INCOME TAXES	SCHEDULE LMM-13-1	171,306
	INCOME TAXES-BASED ON PROPOSED RATE OF RETURN		
30	FEDERAL	SCHEDULE LMM-14	190,331
31	STATE	SCHEDULE LMM-14	30,334
32	CITY EARNINGS	SCHEDULE LMM-14	32
33	TOTAL INCOME TAXES		220,697
	DEFERRED INCOME TAXES		
34	DEFERRED INCOME TAX EXPENSE	SCHEDULE LMM-14	(814)
35	I.T.C. AMORTIZATION	SCHEDULE LMM-14	(5,101)
36	TOTAL DEFERRED INCOME TAXES		(5,915)
37	RETURN (RATE BASE * 7.713%)	**7.713%**	554,970
38	**TOTAL ELECTRIC REVENUE REQUIREMENT**		**$ 3,474,441**

AMEREN MISSOURI
INCREASE REQUIRED TO PRODUCE 7.713% RETURN ON TOTAL ELECTRIC NET ORIGINAL COST RATE BASE FOR THE TWELVE MONTHS ENDED MARCH 31, 2016

LINE	DESCRIPTION (A)	TOTAL ELECTRIC AMOUNT (B)
1	**TOTAL ELECTRIC NET ORIGINAL COST RATE BASE**	**$ 7,195,256**
	TOTAL ELECTRIC REVENUE REQUIREMENT:	
2	RETURN AT PROPOSED RATE (7.713%)	554,970
3	OPERATING AND MAINTENANCE EXPENSES	2,001,083
4	DEPRECIATION AND AMORTIZATION	532,300
5	TAXES OTHER THAN INCOME	171,306
6	FEDERAL AND STATE INCOME AND CITY EARNINGS TAXES AT CLAIMED RETURN	220,697
7	DEFERRED INCOME TAXES	(5,915)
8	**TOTAL ELECTRIC REVENUE REQUIREMENT**	**3,474,441**
9	**PRO FORMA TOTAL ELECTRIC OPERATING REVENUE AT PRESENT RATES**	**3,268,036**
10	**DEFICIENCY IN TOTAL ELECTRIC OPERATING REVENUE**	**$ 206,405**

AMEREN MISSOURI
CALCULATION OF NET BASE ENERGY COST (BF)
FOR THE TWELVE MONTHS ENDED MARCH 31, 2016

LINE		DESCRIPTION	TOTAL	SUMMER	WINTER-1	WINTER-2
		(A)	(B)	(D)	(E)	(F)
	A	**FUEL & PURCHASED POWER COSTS**				
1		FUEL	825,067,000	289,024,000	276,497,000	259,546,000
2		FLY ASH (1)	4,233,872	1,472,629	1,448,654	1,312,589
3		FIXED GAS SUPPLY COSTS (2)	8,270,386	2,962,037	2,798,694	2,509,655
4		FUEL ADDITIVES (2)	11,721,821	4,198,168	3,966,658	3,556,995
5		PURCHASED POWER	20,334,001	7,459,000	7,129,000	5,746,001
6		**TOTAL FUEL AND PURCHASED POWER**	**869,627,080**	**305,115,834**	**291,840,006**	**272,671,240**
	B	**ADDITIONAL FUEL & PP COSTS**				
7		MISO DAY 2 EXCLUDING ADMIN (ACCT 555) (2)	15,075,536	5,399,300	5,101,553	4,574,683
8		CAPACITY EXPENSE (2)	198,905,147	71,237,840	67,309,395	60,357,912
9		COMMON BOUNDARY PURCH POWER (ACCT 555) (2)	81,944	29,348	27,730	24,866
10		ANCILLARY SERVICES PURCHASED (ACCT. 555) (2)	2,053,181	735,244	248,807	1,069,130
11		PJM EXCLUDING ADMIN (ACCT. 555) (2)	51,937	18,599	6,294	27,044
12		TRANSMISSION BY OTHERS (ACCT. 565 @1.86%) (2)	1,163,179	416,534	140,955	605,690
13		**TOTAL ADDITIONAL FUEL & PP COSTS**	**217,330,924**	**77,836,865**	**72,834,734**	**66,659,325**
	C	**SALES**				
14		OFF-SYSTEM ENERGY SALES REVENUES (ACCT. 447)	260,149,000	85,901,000	77,224,000	97,024,000
15		MISO DAY 2 REVENUES - MWP MARGINS (ACCT 447) (2)	1,272,186	455,633	430,507	386,046
16		MISO DAY 2 REVENUES - INAVERT DIST (ACCT 447) (2)	(310)	(111)	(105)	(94)
17		CAPACITY SALES REVENUES (ACCT. 447) (2)	243,814,713	87,322,192	82,506,769	73,985,752
18		PHYSICAL BILATERAL MARGINS (ACCT 447) (2)	8,774,243	3,142,493	2,969,199	2,662,551
19		FINANCIAL SWAPS (ACCT 447) (2)	4,423,466	1,584,263	1,496,899	1,342,304
20		ANCILLARY SERVICES REVENUE (ACCT. 447) (2)	6,355,675	2,276,284	2,150,757	1,928,634
21		REAL-TIME LOAD AND GENERATION DEVIATION (2)	699,648	250,579	236,761	212,308
22		**TOTAL SALES**	**525,488,621**	**180,932,333**	**167,014,787**	**177,541,501**
23	**A + B - C**	**NET BASE ENERGY COSTS**	**561,469,383**	**202,020,366**	**197,659,953**	**161,789,064**
24		**LOAD AT MISO CP NODE AMMO.UE (KWH)**	**33,589,296,552**	**12,030,000,000**	**11,367,000,000**	**10,192,296,552**
25		**BASE FACTOR (BF) ($ PER MWH)**	**16.72**	**16.79**	**17.39**	**15.87**
26		**BASE FACTOR (BF) (CENTS PER KWH)**	**1.672**	**1.679**	**1.739**	**1.587**

27 MONTHS IN EACH PERIOD:
28 SUMMER: JUNE THROUGH SEPTEMBER
29 WINTER-1: OCTOBER THROUGH JANUARY
30 WINTER-2: FEBRUARY THROUGH MAY

31 (1) ALLOCATED BETWEEN SUMMER AND WINTERS BASED ON COAL FROM FUEL MODEL.
32 (2) ALLOCATED BETWEEN SUMMER AND WINTERS BASED ON LOAD.