

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of the Adjustment)	
of Union Electric Company)	<u>File No. ER-2016-0243</u>
d/b/a Ameren Missouri's)	Tariff No. YE-2016-0245
Fuel Adjustment Clause for)	
the 21 st Accumulation Period)	

**STAFF RECOMMENDATION TO APPROVE TARIFF SHEET
REGARDING CHANGE TO THE FUEL ADJUSTMENT RATE
FOR ACCUMULATION PERIOD 21**

COMES NOW the Staff of the Missouri Public Service Commission ("Commission"), by and through counsel, and for its recommendation to approve the tariff sheet, states as follows:

1. On March 24, 2016, Union Electric Company d/b/a Ameren Missouri ("Ameren Missouri" or "Company") filed a proposed tariff sheet, 3rd Revised Sheet No. 73.11, with supporting direct testimony pursuant to Commission Rules 4 CSR 240-20.090(4) and 4 CSR 240-3.161(7) seeking approval to adjust the Company's Fuel Adjustment Rates ("FARs") used to calculate its Fuel Adjustment Clause ("FAC") charge billed to its customers. The proposed tariff sheet bears an effective date of May 25, 2016.

2. Concurrently on March 24, Ameren Missouri submitted a true-up filing in File No. ER-2016-0244 to identify the amount of over- or under-recovery during Recovery Period 18 ("RP18") prescribed by its FAC. The over- or under-recovered amount (or true-up amount) and interest amount for RP18 are used when calculating the new FARs in this case.

3. On March 28, the Commission ordered Staff to examine and analyze Ameren Missouri's filings in this case, and to file its recommendation no later

than April 25, 2016, as required by Rule 4 CSR 240-20.090(4). The Commission also directed that all parties to Case No. ER-2014-0258 (the general rate proceeding in which continuation of Ameren Missouri's FAC was most recently approved) be added to the service list for this case, and set an intervention date of April 11, 2016. The Commission received no applications to intervene.

4. Staff's *Memorandum*, attached hereto as Appendix A and incorporated herein by reference, recommends the Commission issue an order approving the proposed revised tariff sheet Ameren Missouri filed on March 24, 2016.

5. Commission Rule 4 CSR 240-20.090(4) states in pertinent part: (A) "An electric utility with a FAC shall file one (1) mandatory adjustment to its FAC in each true-up year coinciding with the true-up of its FAC..."¹ The rule requires Staff "to determine if the proposed adjustment to the FAC is in accordance with the provisions of this rule, Section 386.266 RSMo and the FAC mechanism established in the most recent general rate proceeding." If so, "the commission shall either issue an interim rate adjustment order approving the tariff schedules and the FAC rate adjustments within sixty (60) days of the electric utility's filing or... the tariff schedules and the FAC rate adjustments shall take effect sixty (60) days after the tariff schedules were filed."

6. Ameren Missouri's filing in this case requests Commission approval of one tariff sheet bearing an effective date of May 25, 2016, that revises the current FARs in its FAC. The filing includes testimony and work papers of Ameren Missouri

¹ An electric utility may also file up to three (3) additional adjustments to its FAC within a true-up year with the timing and number of such filings to be determined in a general rate proceeding.

witness Erik C. Wenberg supporting the Company's calculation of the Fuel and Purchased Power Adjustment ("FPA").

7. The FPA amount is (\$13,933)². The FPA amount³ is the sum of: Customer Responsibility for Accumulation Period 21 ("AP21") equal to (\$9,160,528)⁴ (Line 4 on 3rd Revised Sheet No. 73.11); minus Interest for AP21, RP18, and the N-Factor for AP20, equal to \$489,598 (Line 4.1 on 3rd Revised Sheet No. 73.11) which includes (\$14,849) for AP21, \$503,030 for RP18, and \$1,417 for the N-Factor for AP20; plus True-Up amount for RP18 and the N-Factor for AP20, without interest, equal to \$8,656,997 (Line 4.2 on 3rd Revised Sheet No. 73.11) which includes \$8,219,471 for RP18 and \$437,526 for the N-Factor for AP20. This True-Up amount is before the Commission for approval in pending File No. ER-2016-0244.

8. As explained in Staff's *Memorandum*, the FPA amount results in a Current Period FAR ("FAR₂₁") of \$0.0000 per kWh (Line 7 on 3rd Revised Sheet No. 73.11) which, when added to the Prior Period FAR (FAR₂₀) of (\$0.00002) per kWh (Line 8 on 3rd Revised Sheet No. 73.11), results in a proposed Fuel Adjustment Rate ("FAR") of (\$0.00002) per kWh (Line 9 on 3rd Revised Sheet No. 73.11), which is a decrease of \$0.00183 per kWh when compared to the existing FAR of \$0.00181 per kWh. Because of a difference in line losses, the FAR is adjusted for the voltage at which customers receive service.

² A bracketed amount in parentheses represents a refund to customers.

³ 3rd Revised Sheet No. 73.11 lines 1 through 5 include the complete calculation of the FPA Amount of (\$13,933).

⁴ The customer responsibility for AP21 is equal to ninety-five percent (95%) of (\$9,642,661) (the difference between Actual Net Energy Cost ("ANEC") and Net Base Energy Cost ("B") during AP21).

9. Because the Initial Rate Component for Large Transmission voltage service of (\$0.00002) / kWh is less than \$0.00200 / kWh,⁵ the Initial Rate Components for Secondary, Primary and Large Transmission voltage levels are the Recovery Period (“RP21”) FARs for each service voltage level, and the Industrial Aluminum Smelter (“IAS”) Service rate class FAR is equal to that of the Large Transmission voltage level rate class.

Listed below are the proposed RP21 FARs and the difference between them for Secondary, Primary, and Large Transmission and IAS service:

	Proposed RP21 FAR	Current RP20 FAR	Difference
Secondary	(\$0.00002)/kWh	\$0.00191/kWh	\$0.00193/kWh Decrease
Primary	(\$0.00002)/kWh	\$0.00186/kWh	\$0.00188/kWh Decrease
Large Transmission	(\$0.00002)/kWh	\$0.00179/kWh	\$0.00181/kWh Decrease
IAS	(\$0.00002)/kWh	\$0.00179/ kWh	\$0.00181/kWh Decrease

Based on a monthly usage of 1,105 kWh, the proposed change to the Secondary FAR would decrease the Fuel Adjustment Charge of an Ameren Missouri residential customer’s bill from \$2.11 to (\$0.02), a decrease of \$2.13 per month.

10. According to Ameren Missouri witness Erik Wenberg, “[T]he primary factor driving this decrease was higher capacity sales revenue, partially offset by the Adjustment for Reduction of Service Classification 13(M)(otherwise known as

⁵ The Commission’s Report and Order in Case No. ER-2015-0258 created a new Industrial Aluminum Smelter Rate Class for which the FAR IAS rate is capped at \$0.00200 per kWh.

the IAS class) triggered by load reductions at Noranda Aluminum, Inc.'s smelter (this adjustment is generally referred as the 'N factor adjustment')."⁶

11 Staff has determined that Ameren Missouri timely filed the 3rd Revised Tariff Sheet No. 73.11 and that it complies with Commission Rule 4 CSR 240-3.161 and Ameren Missouri's FAC as defined in its FAC tariff sheets.

12. Staff has verified that Ameren Missouri is not delinquent on any assessment, and has filed its 2015 annual report. Ameren Missouri is current on the filing of its Surveillance Monitoring reports as required by 4 CSR 240-20.090(10) and its monthly reports required by 4 CSR 240-3.161(5). Staff is not aware of any other matter before the Commission that affects or is affected by this filing, except File No. ER-2016-0244 as noted herein.

WHEREFORE, Staff recommends the Commission issue an order approving the following proposed revised tariff sheet, as filed on March 24, 2016, to become effective on May 25, 2016, as requested by Ameren Missouri:

MO.P.S.C. Schedule No. 6

3rd Revised Sheet No. 73.11 Cancelling 2nd Revised Sheet No. 73.11.

⁶ Direct testimony of Erik C. Wenberg, page 2, line 21 through page 3, line 1.

Respectfully submitted,

/s/ Robert S. Berlin

Robert S. Berlin

Deputy Staff Counsel

Missouri Bar No. 51709

Attorney for the Staff of the

Missouri Public Service Commission

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CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing was served by electronic mail, or First Class United States Postal Mail, postage prepaid, on this 25th day of April, 2016, to all counsel of record.

/s/ Robert S. Berlin

MEMORANDUM

TO: Missouri Public Service Commission Official Case File
File No. ER-2016-0243, Tariff Tracking No. YE-2016-0245
Union Electric Company d/b/a Ameren Missouri

FROM: Matthew J. Barnes, Utility Regulatory Auditor IV
David Roos, Regulatory Economist III
Curtis Gateley, Utility Policy Analyst II

/s/ John Rogers 04/25/2016

Energy Resources Department / Date

/s/ Bob Berlin 04/25/2016

Staff Counsel's Office / Date

SUBJECT: Staff Recommendation for Approval of Tariff Sheet Filed to Change Rates Related to Ameren Missouri's Fuel Adjustment Clause Pursuant to the Commission's Report and Order in File No. ER-2014-0258.

DATE: April 25, 2016

On March 24, 2016, Union Electric Company d/b/a Ameren Missouri ("Ameren Missouri" or "Company") filed one (1) tariff sheet, 3rd Revised Sheet No. 73.11 bearing a proposed effective date of May 25, 2016, and cancelling 2nd Revised Sheet No. 73.11. The filed tariff sheet, 3rd Revised Sheet No. 73.11, revises Ameren Missouri's Fuel Adjustment Rates ("FARs") of its Fuel Adjustment Clause ("FAC") for Accumulation Period 21 ("AP21") which ended on January 31, 2016. Staff recommends the Missouri Public Service Commission ("Commission") approve 3rd Revised Sheet No. 73.11.

Ameren Missouri's March 24, 2016 filing includes the testimony of Ameren Missouri witness Erik C. Wenberg and associated Ameren Missouri work papers. The testimony and work papers include information and data that supports Ameren Missouri's calculation of the dollar amount of its Fuel and Purchased Power Adjustment ("FPA"). That dollar amount ("FPA Amount") is (\$13,933)¹ and is reflected on line 5 of 3rd Revised Sheet No. 73.11. This FPA Amount results in a FAR₂₁² of \$0.00000 per kWh, which when added to the FAR₂₀³

¹ A bracketed amount in parentheses represents a refund to the customer.

² FAR_{RP} is defined in Original Sheet No. 73.8 as "FAR Recovery Period rate component calculated to recover under- or over-collection during the Accumulation Period that ended immediately prior to the applicable filing." Since this filing occurred after the end of Accumulation Period 21, FAR_{RP} in this recommendation is referred to as FAR₂₁.

³ FAR_(RP-1) is defined in Original Sheet No. 73.8 as "FAR Recovery Period rate component for the under- or over-collection during the Accumulation Period immediately preceding the Accumulation Period that ended immediately

of (\$0.00002) per kWh, results in a proposed FAR⁴ of (\$0.00002) per kWh. The proposed FAR is \$0.00183 per kWh less than the current FAR⁵ of \$0.00181 per kWh.

Adjustment for Reduction of Service Classification 12 (M) or 13 (M) Billing Determinants

Ameren Missouri's Original Sheet No. 73.4 authorizes the Company to make an adjustment to the off-system sales revenue ("OSSR") component in the Actual Net Energy Cost ("ANEC")⁶ calculation and an adjustment to the accumulation period sales to calculate Net Base Energy Cost ("B")⁷. Ameren Missouri's Original Sheet No. 73.4 states:

Should the level of monthly billing determinants under Service Classifications 12 (M) or 13 (M) fall below the level of normalized 12 (M) or 13 (M) monthly billing determinants as established in Case No. ER-2014-0258, an adjustment to OSSR shall be made in accordance with the following levels:

- a) A reduction of less than 40,000,000 kWh in a given month
 - No adjustment will be made to OSSR.
- b) A reduction of 40,000,000 kWh or greater in a given month
 - An adjustment excluding off-system sales revenue from OSSR will be made equal to the lesser of (1) all off-system sales revenues derived from all kWh of energy sold off-system due to the entire reduction, or (2) off-system sales revenues up to the reduction of 12 (M) or 13 (M) revenues compared to normalized 12 (M) or 13 (M) revenues as determined in Case No. ER-214-0258.
 -

In the previous Ameren FAC adjustment case, File No. ER-2016-0130 for AP20, the monthly billing determinants under Service Classification 13 (M) fell below – for the first time – the level of normalized 12 (M) or 13 (M) monthly billing determinants established in Case No. ER-2014-0258 by an amount greater than 40,000,000 kWh. However, no adjustments

prior to the application filing for FAR_{RP}.” Since this filing occurred after the end of Accumulation Period 21, FAR_(RP-1) in this recommendation is referred to as FAR₂₀.

⁴ FAR is defined in Original Sheet No. 73.8 as “Fuel Adjustment Rate applied to retail customer usage on a per kWh basis starting with the applicable Recovery Period following the FAR filing.” $FAR = FAR_{RP} + FAR_{(RP-1)}$.

⁵ The \$0.00181 per kWh rate is found on line 9 of 2nd Revised Sheet No. 73.11.

⁶ ANEC = fuel costs (FC) plus purchased power costs (PP) plus net emission allowances (E) minus off-system sales revenues (OSSR) as reflected on line 1 of 3rd Revised Sheet No. 73.11.

⁷ B = Base Factor times the accumulation period sales as reflected on lines 2, 2.1 and 2.2 of 3rd Revised Sheet No. 73.11.

to S_{AP} ⁸ and to OSSR were made in File No. ER-2016-0130 because of a disagreement among Ameren, the Office of Public Counsel (“OPC”) and Missouri Industrial Energy Consumers (“MIEC”) concerning the methodology to determine the amount of the adjustments to S_{AP} and to OSSR for AP20.⁹

On March 7, 2016, Ameren, Staff, OPC and MIEC filed a Second Non-Unanimous Stipulation and Agreement to: 1) establish a methodology to determine the adjustments to S_{AP} and to OSSR for adjustment periods beginning with AP21, and 2) establish that the methodology results in an AP20 N-Factor¹⁰ adjustment of \$437,526 to be retained by Ameren.

Staff reviewed the work papers of Company witness Erik C. Wenberg’s Schedule EW-FAR and finds the adjustments to S_{AP} and to OSSR for AP21 to be correct and in accordance with the methodology approved by the Commission on March 23, 2016, in its *Order Approving Second Stipulation and Agreement* in Case No. ER-2016-0130. For AP20 and AP21, the Commission-approved methodology results in the following monthly and accumulation period amounts: (see table on following page).

⁸ Original Sheet No. 73.7 defines SAP as kWh during the AP that ended immediately prior to the FAR filing, as measured by taking the most recent kWh data for the retail component of the Company’s load settled at its MISO CP node (AMMO.UE or successor node), plus the kWh reductions up to the kWh of energy sold off-system associated with the 12(M) or 13(M) OSSR adjustment above plus the metered net energy output of any generating station operating within its certificated service territory as a behind the meter resource in MISO, the output of which served to reduce the Company’s load settled at its MISO CP node (AMMO.UE or successor node).

⁹ File No. ER-2016-0130 Non-unanimous Stipulation and Agreement filed on January 12, 2016 and approved by the Commission on January 20, 2016

¹⁰ N-Factor adjustment is the increase in the Fuel and Purchased Power Adjustment (FPA) amount as a result of any adjustments to S_{AP} and OSSR derived from the methodology approved by the Commission on March 23, 2016, in its *Order Approving Second Stipulation and Agreement* in Case No. ER-2016-0130.

Period	Adjustment to S_{AP} (kWh)	Adjustment to OSSR	N-Factor
June, 2015	0	0	0
July, 2015	33,988,834	\$776,171	\$157,445
August, 2015	34,172,924	\$763,688	\$142,445
September, 2015	38,995,367	\$843,021	\$137,636
AP20	107,157,125	\$2,382,880	\$437,526
October, 2015	47,504,051	\$969,394	\$140,646
November, 2015	44,000,328	\$874,996	\$108,519
December, 2015	26,243,898	\$533,663	\$75,911
January, 2016	187,564,831	4,038,458	\$755,689
AP21	305,313,109	\$6,416,512	\$1,080,766

Calculation of Total Company Fuel and Purchased Power Difference

Ameren Missouri’s work papers for AP21 contain data and calculations for ANEC equal to \$198,934,394¹¹ (line 1 of 3rd Revised Sheet No. 73.11) and B equal to \$208,577,055¹² (line 2 of 3rd Revised Sheet No. 73.11). For this filing, B is equal to sales of 12,063,450,248 kWh for October 1, 2015 through January 31, 2016 times \$0.01729¹³ per kWh. The difference between ANEC and B is equal to (\$9,642,661) and is the amount on line 3 of 3rd Revised Sheet No. 73.11, Total Company Fuel and Purchased Power Difference.

Calculation of FPA Amount

Ameren Missouri’s work papers and 3rd Revised Sheet No. 73.11 show the FPA Amount¹⁴ of (\$13,933) to be the sum of:

¹¹ Actual Net Energy Cost (ANEC) of \$198,934,394 excludes \$6,416,512 due to the adjustment to OSSR for AP21.
¹² Net Base Energy Cost (B) of \$208,577,055 excludes \$5,278,864 of net base energy cost due to a reduction of the S_{AP} equal to 305,313,109 kWh.
¹³ Winter Base Factor (BF_{winter}) rate on Original Sheet No. 73.7 of \$0.01729 per kWh was used to calculate B (line 2 of 3rd Revised Sheet No. 73.11). BF_{winter} is applicable for the October through May calendar months.
¹⁴ 3rd Revised Sheet No. 73.11 lines 1 through 5 include the complete calculation of the FPA Amount of (\$13,933).

Fuel and purchased power amount to be recovered from customers for AP21 equal to (\$9,160,528)¹⁵ (Line 4 on 3rd Revised Sheet No. 73.11); minus

1. Interest of \$489,598 which includes: (\$14,849) for AP21, \$503,030 for Recovery Period 18 (“RP18”) and \$1,417 for the N-Factor for AP20; plus
2. The true-up amount, without interest, equal to \$8,656,997¹⁶ which includes the sum of: a) RP18 true-up amount of \$8,219,471 which is pending Commission approval in File No. ER-2016-0244, and b) \$437,526 for the N-Factor for AP20 approved in File No. ER-2016-0130.

Calculation of FAR₂₁

FAR₂₁ of \$0.00000 per kWh is equal to the FPA Amount of (\$13,933) divided by the Estimated Recovery Period Sales in kWh settled at MISO CP node (AMMO.UE or successor node) of 23,442,797,648 kWh. FAR₂₁ will apply during RP21—Ameren Missouri’s billing months of June 2016 through January 2017.

Calculation of FAR Without Voltage Level Adjustments

Line 9 of Ameren Missouri’s proposed 3rd Revised Sheet No. 73.11 reflects a FAR of (\$0.00002) per kWh which is the sum of: 1) FAR₂₁ of \$0.00000 per kWh, and 2) FAR₂₀ of (\$0.00002) per kWh.

Voltage Level FARs

Because of a difference in line losses,¹⁷ there may be different Initial Rate Components for service taken at the Secondary, Primary, and Large Transmission voltage levels reflected on lines 11, 13 and 15 of 3rd Revised Sheet No. 73.11. Because the Initial Rate Component for Large Transmission voltage service of (\$0.00002) / kWh is less than \$0.00200 / kWh,¹⁸ the Initial Rate Components for Secondary, Primary and Large Transmission voltage levels are the

¹⁵ Fuel and purchased power amount to be recovered from customers for AP21 is equal to ninety-five percent (95 %) of (\$9,642,661) (the difference between ANEC and B during AP21).

¹⁶ The true-up amount without interest of \$8,656,997 is slightly higher due to rounding

¹⁷ Secondary, Primary, and Large Transmission Voltage Adjustment Factors are shown on lines 10, 12, and 14, respectively, on Ameren Missouri’s proposed 3rd Revised Sheet No. 73.11.

¹⁸ The Commission’s Report and Order in Case No. ER-2015-0258 created a new Industrial Aluminum Smelter Rate Class for which the FAR IAS rate is capped at \$0.00200 per kWh.

RP21 FARs for each service voltage level and the Industrial Aluminum Smelter (“IAS”) Service rate class FAR is equal to that of the Large Transmission voltage level rate class. The RP21 FARs are in the table below:

Service	RP21 FAR	Line on 3 rd Revised Sheet No. 73.11
Secondary	(\$0.00002)/kWh	21
Primary	(\$0.00002)/kWh	22
Large Transmission	(\$0.00002)/kWh	23
IAS	(\$0.00002)/kWh	16

Listed below are the proposed RP21 FARs, the current RP20 FARs and the difference between them for Secondary, Primary, and Large Transmission and IAS service:

	Proposed RP21 FAR	Current RP20 FAR	Difference
Secondary	(\$0.00002)/kWh	\$0.00191/kWh	\$0.00193/kWh Decrease
Primary	(\$0.00002)/kWh	\$0.00186/kWh	\$0.00188/kWh Decrease
Large Transmission	(\$0.00002)/kWh	\$0.00179/kWh	\$0.00181/kWh Decrease
IAS	(\$0.00002)/kWh	\$0.00179/ kWh	\$0.00181/kWh Decrease

Based on a monthly usage of 1,105 kWh, the proposed change to the Secondary FAR would decrease the Fuel Adjustment Charge of an Ameren Missouri residential customer’s bill from \$2.11 to (\$0.02), a decrease of \$2.13 per month. As mentioned above company witness Erik C. Wenberg states:

The primary factor driving this decrease was higher capacity sales revenue, partially offset by the Adjustment for Reduction of Service Classification 13(M) (otherwise known as the IAS class) triggered by load reductions at Noranda Aluminum, Inc.’s smelter (this adjustment is generally referred as the "N factor adjustment").¹⁹

¹⁹ Company witness Erik C. Wenberg’s direct testimony page 2, line 21 through page 3, line 1.

Staff reviewed the proposed 3rd Revised Sheet No. 73.11, the direct testimony of Ameren Missouri witness Erik C. Wenberg and the work papers in this filing, as well as Ameren Missouri's monthly information submitted in compliance with 4 CSR 240-3.161(5) for AP21. Staff verified that the actual fuel and purchased power costs and emissions costs net of off-system sales revenues reflected therein match the fuel and purchased power costs and emission costs net of off-system sales revenues on line 1 of Ameren Missouri's proposed 3rd Revised Sheet No. 73.11 and the supporting schedules of witness Erik C. Wenberg. Staff reviewed Ameren Missouri's monthly reports and verified that the kWh billed as shown on the monthly reports match the accumulation period sales used to calculate B. Staff reviewed Ameren Missouri's monthly interest rates that are applied to 95% of the over/under Net Base Energy Cost amount and verified that the monthly interest rates and calculations of monthly interest amounts are correct for AP21.

Staff Recommendation

Ameren Missouri timely filed 3rd Revised Sheet No. 73.11, and based on Staff's review, Staff has determined that Ameren Missouri is in compliance with Commission Rule 4 CSR 240-3.161 (Electric Utility Fuel and Purchased Power Cost Recovery Mechanisms Filing and Submission Requirements), and Ameren Missouri's FAC embodied in its tariff.

Commission Rule 4 CSR 240-20.090(4) provides in part:

[T]he commission shall either issue an interim rate adjustment order approving the tariff schedules and the FAC rate adjustments within sixty (60) days of the electric utility's filing or, if no such order is issued, the tariff schedules and the FAC rate adjustments shall take effect sixty (60) days after the tariff schedules were filed.

Ameren Missouri requested that 3rd Revised Sheet No. 73.11, filed March 24, 2016 become effective on May 25, 2016, the beginning of the first billing cycle of Ameren Missouri's June 2016 billing month. Thus, the proposed tariff sheet was filed with 62 days' notice. Therefore, Staff recommends the Commission issue an order approving the following proposed tariff sheet, as filed on March 24, 2016, to become effective on May 25, 2016, as requested by Ameren Missouri:

MO.P.S.C. Schedule No. 6

3rd Revised Sheet No. 73.11 Cancelling 2nd Revised Sheet No. 73.11.

Staff has verified that Ameren Missouri is not delinquent on any assessment and has filed its 2015 Annual Report²⁰. Ameren Missouri is current on its submission of its Surveillance Monitoring reports as required in 4 CSR 240-20.090(10) and its monthly reports as required by 4 CSR 240-3.161(5). Staff is not aware of any other matter before the Commission that affects or is affected by this filing, except File No. ER-2016-0244 as noted herein.

²⁰ Ameren Missouri filed its 2015 Annual Report on April 15, 2016.

BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI

In the Matter of the Adjustment of Union Electric)
Company d/b/a Ameren Missouri's Fuel Adjustment) **File No. ER-2016-0243**
Clause for the 21st Accumulation Period) Tariff No. YE-2016-0245

AFFIDAVIT OF MATTHEW J. BARNES

STATE OF MISSOURI)
) ss
COUNTY OF COLE)

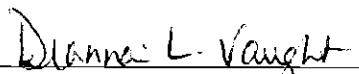
COMES NOW, Matthew J. Barnes and on his oath declares that he is of sound mind and lawful age; that he contributed to the attached Staff Recommendation in Memorandum form; and that the same is true and correct according to his best knowledge and belief.

Further the Affiant sayeth not.

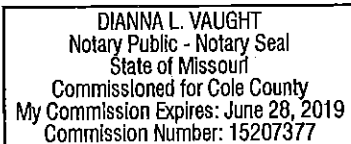


Matthew J. Barnes

Subscribed and sworn to be this 25th day of April, 2016.



Notary Public



BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI

In the Matter of the Adjustment of Union Electric)
Company d/b/a Ameren Missouri's Fuel Adjustment) **File No. ER-2016-0243**
Clause for the 21st Accumulation Period) **Tariff No. YE-2016-0245**

AFFIDAVIT OF DAVID C. ROOS

STATE OF MISSOURI)
) ss
COUNTY OF COLE)

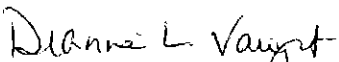
COMES NOW, David C. Roos and on his oath declares that he is of sound mind and lawful age; that he contributed to the attached Staff Recommendation in Memorandum form; and that the same is true and correct according to his best knowledge and belief.

Further the Affiant sayeth not.



David C. Roos

Subscribed and sworn to be this 25th day of April, 2016.



Notary Public

