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Exhibit No. 104

Staff – Exhibit 104
Alan J. Bax
Rebuttal Testimony
File No. ER-2022-0337

Exhibit No.:
Issue(s): *FAC Voltage
Adjustment Factors*
Witness: *Alan J. Bax*
Sponsoring Party: *MoPSC Staff*
Type of Exhibit: *Rebuttal Testimony*
Case No.: *ER-2022-0337*
Date Testimony Prepared: *February 15, 2023*

MISSOURI PUBLIC SERVICE COMMISSION

INDUSTRY ANALYSIS DIVISION

ENGINEERING ANALYSIS DEPARTMENT

REBUTTAL TESTIMONY

OF

ALAN J. BAX

**UNION ELECTRIC COMPANY,
d/b/a AMEREN MISSOURI**

CASE NO. ER-2022-0337

*Jefferson City, Missouri
February 2023*

1 **REBUTTAL TESTIMONY**

2 **OF**

3 **ALAN J BAX**

4 **UNION ELECTRIC COMPANY,**
5 **d/b/a AMEREN MISSOURI**

6 **CASE NO. ER-2022-0337**

7 Q. Please state your name and business address.

8 A. Alan J. Bax, P.O. Box 360, Jefferson City, Missouri, 65102.

9 Q. Are you the same Alan J. Bax that previously filed Direct Testimony in
10 this case?

11 A. Yes.

12 Q. What is the purpose of your rebuttal testimony?

13 A. The purpose of this testimony is to respond to the Direct Testimony of Ameren
14 Missouri witness Michael W. Harding regarding the voltage adjustment factors (“VAFs”)
15 reflected in the Fuel Adjustment Clause (“FAC”), i.e. the Rider FAC tariff (“FAC tariff”).
16 Mr. Harding recommends that the VAFs currently contained in the FAC tariff be maintained.

17 Q. What were the VAFs that you recommended in your Direct Testimony?

18 A. I had calculated and recommended the following VAFs in my Direct Testimony:

19 VAF_{Transmission} 0.9954

20 VAF_{High Voltage Primary} 1.0085

21 VAF_{Low Voltage Primary} 1.0248

22 VAF_{Secondary} 1.0567

23 Q. What are the VAFs currently reflected in the FAC tariff?

Rebuttal Testimony of
Alan J. Bax

1 A. The VAFs currently illustrated in the FAC tariff, as stipulated in the last general
2 Ameren Missouri rate case (ER-2021-0240), are as follows:

3 Union Electric Company d.b.a. Ameren Missouri – Rider FAC

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

5 Original Sheet No. 71.25

6 VAF_{Transmission} 0.9928

7 VAF_{High Voltage Primary} 1.0059

8 VAF_{Low Voltage Primary} 1.0222

9 VAF_{Secondary} 1.0539

10 Q. Are you opposed to the continued use of these VAFs as currently reflected in
11 the FAC tariff as recommended by Mr. Harding?

12 A. No.

13 Q. Have you informed any other Staff witnesses?

14 A. Yes. I provided this information regarding the VAFs to Staff witness
15 Amanda C. Conner. Ms. Conner will utilize these VAFs in the determination of Fuel
16 Adjustment Rates (“FARs”) that are reflected in the FAC tariff.

17 Q. Does this conclude your Rebuttal Testimony?

18 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 Adjust)
Its Revenues for Electric Service) Case No. ER-2022-0337

AFFIDAVIT OF ALAN J. BAX

STATE OF MISSOURI)
)
COUNTY OF COLE) ss.

COMES NOW ALAN J. BAX and on his oath declares that he is of sound mind and lawful age; that he contributed to the foregoing *Rebuttal Testimony of Alan J. Bax*; and that the same is true and correct according to his best knowledge and belief.

Further the Affiant sayeth not.

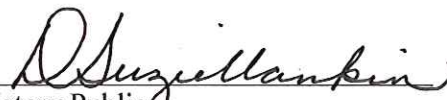


ALAN J. BAX

JURAT

Subscribed and sworn before me, a duly constituted and authorized Notary Public, in and for the County of Cole, State of Missouri, at my office in Jefferson City, on this 9th day of February 2023.

D. SUZIE MANKIN
Notary Public - Notary Seal
State of Missouri
Commissioned for Cole County
My Commission Expires: April 04, 2025
Commission Number: 12412070



Notary Public