

Exhibit No.:  
Issues: Class Cost of Service  
Witness: Lena M. Mantle  
Sponsoring Party: MO PSC Staff  
Type of Exhibit: Rebuttal Testimony  
Case No.: ER-2007-0002  
Date Testimony Prepared: February 5, 2007

**MISSOURI PUBLIC SERVICE COMMISSION**

**UTILITY OPERATIONS DIVISION**

**REBUTTAL TESTIMONY**

**OF**

**LENA M. MANTLE**

**UNION ELECTRIC COMPANY d/b/a**

**AMERENUE**

**CASE NO. ER-2007-0002**

**Jefferson City, Missouri  
February, 2007**

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

In the Matter of Union Electric Company   )  
d/b/a AmerenUE for Authority to File   )  
Tariffs Increasing Rates for Electric   )  
Service Provided to Customers in the   )  
Company's Missouri Service Area.        )

Case No. ER-2007-0002

**AFFIDAVIT OF LENA M. MANTLE**

STATE OF MISSOURI       )  
                                      ) ss  
COUNTY OF COLE        )

Lena M. Mantle, of lawful age, on her oath states: that she has participated in the preparation of the following Rebuttal Testimony in question and answer form, consisting of 4 pages of Rebuttal Testimony to be presented in the above case, that the answers in the following Rebuttal Testimony were given by her; that she has knowledge of the matters set forth in such answers; and that such matters are true to the best of her knowledge and belief.

  
Lena M. Mantle

Subscribed and sworn to before me this 2<sup>nd</sup> day of February, 2007



SUSAN L. SUNDERMEYER  
My Commission Expires  
September 21, 2010  
Callaway County  
Commission #06942086

  
Notary Public

My commission expires 9-21-10

**CASE NO. ER-2007-0002**

1 Q. What is a REC?

2 A. According to Mr. Mill, “A REC is defined as the environmentally beneficial  
3 component of renewable energy and is equivalent to 1,000 kWh.” (Mill direct, pg 13, ln.  
4 6-8) In other words, a renewable energy provider (e.g., wind farm, biomass plant) is  
5 credited with one REC or green tag for each 1,000 kilowatt hours (kWh) of electricity it  
6 produces. As the renewable energy MWh is created, there is an accompanying REC  
7 which can be sold on the open market. Several organizations attempt to ensure that RECs  
8 are actually created, correctly tracked, verified and not double counted.

9 Q. Do you recommend that the Missouri Public Service Commission  
10 (Commission) approve the VGP?

11 A. No.

12 Q. Why shouldn’t the Commission approve the VGP?

13 A. RECs are a market mechanism that represent the environmental benefits  
14 associated with generating electricity from renewable energy resources. Staff has no  
15 problem with the REC market but it is Staff’s position that if AmerenUE is serious about  
16 the development and integration of renewable power into its resource portfolio, it should  
17 be spending its resources on developing renewable power, not selling RECs. In its recent  
18 resource plan filing, AmerenUE only analyzed a minimal amount of wind resources and  
19 then restricted the generation of the wind resources to its service territory in Missouri.  
20 Given these constraints, it is not surprising that wind resources were not shown to be cost  
21 effective resources. Even with this limited analysis, wind was analyzed more than any  
22 other renewable resource even though Staff is aware of a St. Louis metro area landfill that  
23 has had numerous communications with AmerenUE attempting to build a relationship

1 that could result in construction of a power plant that would use presently available  
2 landfill gas as its fuel source.

3 In addition, Staff thinks that it would be likely for there to be serious confusion on  
4 the part of customers purchasing a REC to believe that when they purchase a REC, they  
5 are purchasing renewable energy.

6 Q. If a REC is purchased, is it the same as purchasing renewable energy?

7 A. No. Purchasing a REC is a method of supporting renewables. It is not the  
8 same as purchasing renewables. The renewable power that the REC is associated with  
9 may be generated in another state. It may have already been generated or it may be  
10 generated anytime in the next year. Purchasing a REC is not the same as purchasing  
11 renewable energy.

12 An analogous example would be if McDonald's sells "hamburger credits," can  
13 someone who buys one of the credits satisfy his or her hunger with the hamburger credit?  
14 The only way to satisfy hunger is to purchase the cheeseburger and consume it. Whoever  
15 purchases a cheeseburger credit will just be supporting cheeseburgers. There is nothing  
16 wrong with this as long as the goal of the purchaser was to support hamburgers not to  
17 meet his or her actual needs. In the same way the purchase of a REC does not mean that  
18 the consumer is receiving renewable power. It simply means that the consumer is  
19 supporting renewable power.

20 Q. Is this type of program offered elsewhere?

21 A. Yes, this type of program is offered nationwide. While there are utilities that  
22 have programs that offer RECs to their customers, RECs are also available for purchase  
23 without a sponsoring utility, i.e., supporting renewable energy through the purchase of

Rebuttal Testimony of  
Lena M. Mantle

1 REC can easily be done regardless of whether it is a part of an electric utility program.

2 There are web sites that anyone can go to and purchase RECs.

3 Q. So is Staff against the purchase of RECs?

4 A. No. It is one tool that encourages the development of renewable energy.  
5 However, Staff does not believe that AmerenUE should offer the program. RECs are  
6 available to AmerenUE's customers even if AmerenUE does not offer the VGP. I do  
7 recognize that many of AmerenUE's customers do not know about RECs and that  
8 publicity and support from AmerenUE through such a program would likely result in  
9 more customers buying RECs. However, the potential for customer confusion is great.

10 If AmerenUE wants to support renewable energy through a program of this type,  
11 then AmerenUE might suggest that Ameren Corporation offer this product to through an  
12 unregulated subsidiary.

13 Q. Does this conclude your rebuttal testimony?

14 A. This concludes my testimony for the class cost-of-service and rate design  
15 rebuttal filing of this case.