

**Exhibit No.**  
**Issue:** Fuel Adjustment Clause  
**Witness:** Michael L. Brosch  
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**Sponsoring Party:** State of Missouri  
**Case No.** ER-2007-0002  
**Date Testimony Prepared:** December 29, 2006

**BEFORE THE PUBLIC SERVICE COMMISSION**

**STATE OF MISSOURI**

**DIRECT TESTIMONY**

**OF**

**MICHAEL L. BROSCH**

**ON BEHALF OF**

**STATE OF MISSOURI**

**NP**

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**DIRECT TESTIMONY OF**  
**MICHAEL L. BROSCHE**

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**Attachments**

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Schedule MLB-5	EIA Coal News and Markets report
Schedule MLB-6	Ameren Chairman's Letter (February 10, 1999)

**BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF MISSOURI  
DIRECT TESTIMONY OF MICHAEL L. BROSCHE  
ON BEHALF OF THE STATE OF MISSOURI  
CASE NO. ER-2007-0002**

1 Q. Please state your name and business address.

2 A. My name is Michael L. Brosch. My business address is 740 North Blue Parkway, Suite  
3 204, Lee's Summit, Missouri 64086.

4

5 Q. Are you the same Michael L. Brosch who submitted Direct Testimony in this Case on  
6 December 15, 2006 addressing revenue requirements?

7 A. Yes. My qualifications were described in that previous submission. That earlier  
8 testimony addressed revenue requirement issues and certain test year adjustments to rate  
9 base and operating income for AmerenUE ("UE" or "Company").

10

11 Q. On whose behalf are you appearing in this proceeding?

12 A. As before, I am appearing on behalf of the State of Missouri ("State").

13

14 Q. What is the purpose of your testimony at this time?

15 A. My testimony explains my evaluation of issues arising from AmerenUE's request for a  
16 fuel adjustment clause ("FAC") tariff and procedure. I describe the general ratemaking  
17 concerns that are intended to be addressed by automatic adjustments clauses and the  
18 types of problems caused by such adjustment devices. I also respond to the Direct  
19 Testimony of Company witness Mr. Martin J. Lyons who sponsors the AmerenUE  
20 proposed FAC tariff. The specific circumstances of AmerenUE, as well as these general

1 ratemaking concerns, should be considered by the Commission in determining whether  
2 an FAC should be approved for the Company. My recommendation is that an FAC not  
3 be approved for AmerenUE at this time, based upon the facts and circumstances  
4 described herein.

## 5 6 **EXECUTIVE SUMMARY**

7 Q. Please summarize your Fuel Adjustment Clause Testimony.

8 A. My testimony describes how rate tracking tariffs differ from traditional test year  
9 regulation of public utilities, explaining how piecemeal ratemaking for selected cost  
10 changes is generally undesirable, and why tracking energy costs through an FAC tariff  
11 should only be allowed under certain circumstances. Traditional test year regulation is  
12 generally preferable to single-issue rate adjustments based upon changes in only selected  
13 cost elements because of the need for a “matched” and internally consistent measurement  
14 of changing costs and revenues when revising utility rates. Traditional regulation also  
15 creates a desirable regulatory lag incentive to management that encourages efficient cost  
16 controls, but this incentive is blunted when automatic adjustments clause regulation  
17 allows higher costs to be translated directly into higher prices.

18 Piecemeal rate tracking tariffs, such as the proposed FAC tariff, should only be  
19 allowed under exceptional circumstances, for large and volatile elements of utility cost  
20 that are beyond management control and that threaten the utility’s financial stability if not  
21 tracked. This is because such rate tracking shifts the risks of cost increases to utility  
22 customers, who are least able to control such costs, while reducing incentives for efficient  
23 utility management and adding complexity to customer billings and regulatory processes.

1 AmerenUE has not demonstrated that its fuel costs are sufficiently large and  
2 volatile enough to merit special rate tracking. To the contrary, the Company has  
3 sufficiently hedged its exposure to energy price changes through risk management  
4 procedures and multi-year fuel supply contracts, such that risks of volatile fuel price  
5 changes are modest in relation to overall costs and revenue levels. It must be noted that  
6 AmerenUE has a fuel mix that limits its exposure to gas and oil price volatility.  
7 Additionally, unacceptable complexity is added to any FAC tariff implementation for  
8 AmerenUE because of the Taum Sauk outage, the Electric Energy, Inc. issue and the  
9 expiring contract for purchased power from Entergy Arkansas. On balance, the Company  
10 has not demonstrated that its proposed FAC is needed or consistent with the public  
11 interest when these factors are considered.  
12

### 13 **TRADITIONAL VERSUS RATE TRACKER REGULATION**

14 Q. What is the purpose of a Fuel Adjustment Clause tariff?

15 A. A fuel adjustment clause tariff is a regulatory tool that systematically changes utility  
16 pricing to “track” changes in defined categories of energy production costs, characterized  
17 generally as “fuel” costs. An FAC tariff is designed to periodically change the utility’s  
18 billings to customers, by isolating and tracking changes in the utility’s energy production  
19 costs for regular rate adjustments on a piecemeal basis, without regard to how the rest of  
20 the utility’s costs or overall revenue levels are changing.  
21

22 Q. Please describe how traditional regulation compares to such rate tracker regulation.

1 A. In contrast to the piecemeal, single-issue ratemaking that occurs with a tracking tariff  
2 such as an FAC, traditional regulation is holistically based upon all elements of the  
3 utility's costs and revenues. The overall analysis of all utility costs and revenues is  
4 important because it accounts for the fact that each element of the utility revenue  
5 requirement tends to vary with the passage of time, with favorable changes (revenue  
6 growth or declining costs) tending to offset unfavorable changes (revenue declines or  
7 increasing costs).

8 Energy utilities have traditionally been regulated based upon their overall cost to  
9 provide service, including an opportunity to earn a reasonable return on invested capital.  
10 The process used to evaluate and measure the cost of service and resulting revenue  
11 requirement is the rate case, in which a balanced review of jurisdictional expenses, rate  
12 base investment, the cost of capital and revenues at present rates can be undertaken at a  
13 common point in time, referred to as a "test period." In Missouri, the test period is  
14 usually a recent actual 12-month period of time within which pro forma revenues at  
15 present rate levels are compared to pro forma operating expenses and the required return  
16 on end-of-period rate base, to determine whether an overall increase or reduction in  
17 revenue levels is needed. Indeed, the pending AmerenUE rate case utilizes the twelve  
18 month period ending June 31, 2006, with adjustments for known and measurable changes  
19 thereafter.

20  
21 Q. Why is a test period important to the conduct of traditional regulation?

22 A. It is essential for this synchronized review of both revenue levels and cost levels to occur  
23 within a carefully structured and internally consistent test period, because a utility's

1 revenues and its costs tend to both change with the passage of time as customers are  
2 added, as inflation and productivity impact cost levels, as capital market conditions  
3 change and as sales volumes fluctuate. The dynamic nature of utility costs and revenues  
4 does not necessarily imply frequent rate cases. As long as revenues and costs remain in  
5 approximate balance, causing the utility's earnings to stay within acceptable proximity to  
6 authorized return levels, an electric or gas utility may be able go many years between rate  
7 cases.

8 Another important element of traditional test period regulation is the incentive  
9 created for management to control and reduce costs, so as to maximize the opportunity to  
10 actually earn at or above the authorized return level between rate case test periods.  
11 Regulatory lag creates a balanced incentive for management to control all costs between  
12 test years, so as to maximize the opportunity to earn the authorized return.

13 Yet another beneficial characteristic of traditional test year regulation is the  
14 intensive focus upon utility operations and costs within a formal proceeding in which  
15 Commission Staff and other interested parties can carefully examine or audit the  
16 components making up the revenue requirement. In contrast, piecemeal rate tracking  
17 tariff adjustments often receive limited scrutiny or input from regulators and consumer  
18 representatives, even though significant customer impacts can result from such tariffs.  
19 These mechanisms place an added burden on Commission Staff and intervenors, and  
20 ultimately regulatory bodies are likely to give less scrutiny to these costs.

21  
22 Q. Under traditional test period rate case regulation, what normally happens when a specific  
23 utility expense increases between test periods?

1 A. Increases in specific individual expenses between test periods, if nothing else changes,  
2 would directly impact the utility's pre-tax earnings and the achieved rate of return.  
3 However, all of the utility's costs and revenues tend to change over time. Customer and  
4 revenue growth or reductions in other costs often serve to offset or mitigate isolated cost  
5 changes, such that a utility company may be able to avoid rate increases for extended  
6 periods of time. For example, AmerenUE has been able to avoid any general rate  
7 increase cases for two decades, according to the testimony of Mr. Warner Baxter,<sup>1</sup> even  
8 though the Company has had no FAC in place during this time, a clear indication that  
9 load and revenue growth, as well as cost savings in other parts of the business have long  
10 been adequate to offset fuel price increases that have impacted the Company.

11  
12 Q. If the continuous changes that impact utility revenues and costs become imbalanced, what  
13 can a utility do to ensure reasonable financial results for its investors?

14 A. Sustained cost increases that are not offset by reductions in other costs or by increases in  
15 customer and sales levels may contribute to declines in achieved returns sufficient to  
16 justify the filing of a petition to increase rates. Notably, whenever a rate case occurs, all  
17 of the elements of revenue requirement are again measured and adjusted, in a balanced  
18 overall review that should account for cost increases in some areas being offset by cost  
19 savings in other areas. For example, in its pending rate case, AmerenUE is forced to  
20 account for its higher customer count and sales volumes and its current capital market  
21 conditions and cost of capital, at the same time it has proposed to recognize a larger rate  
22 base and increased depreciation expenses. This balanced review of all elements of  
23 revenue requirement is a key characteristic of traditional regulation.

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<sup>1</sup> Direct Testimony of Warner Baxter, page 5.



1 Q. Are there any incentives to promote management cost control and efficiency under  
2 traditional regulation?

3 A. Yes. The “regulatory lag” that occurs between rate case test years serves to promote cost  
4 control and efficiency. Once revenues and costs are measured within the rate case test  
5 period under traditional regulation and included in the revenue requirement, subsequent  
6 changes such as cost reductions or sales margin growth cause improvements in the  
7 achieved actual return level, relative to Commission-authorized returns, and are  
8 “favorable” from the shareholder perspective. Shareholders are rewarded with higher  
9 earnings between test years when management is able to successfully minimize cost  
10 increases, maximize productivity gains, or add profitable new customers to the system.  
11 Conversely, unfavorable changes between test years, such as cost increases or sales  
12 revenue declines, can contribute to earnings below authorized levels. Punishment in the  
13 form of reduced earnings occurs when expenses increase or when rate base or cost of  
14 capital increases between rate case test periods are not fully offset by revenue gains. In  
15 this way, regulatory lag provides a symmetrical incentive for management that can either  
16 reward cost containment and the profitable growth in sales or temporarily punish  
17 excessive cost increases until the time when a new rate case can be litigated.

18  
19 Q. Can there be a problem created by regulatory lag under traditional regulation, when large  
20 individual cost elements change so rapidly that test year rate cases cannot keep up?

21 A. Yes. Regulatory lag can contribute to unreasonable ratemaking results if costs change too  
22 rapidly between test years. Exceptions to the normal holistic test period review of  
23 revenues and costs have been allowed in limited instances by regulators for certain large

1 and volatile cost elements that are predominately beyond the control of utility  
2 management and that might produce unacceptable financial outcomes if not allowed  
3 special treatment. The most common exception to traditional test period regulation is the  
4 widespread utilization of purchased energy adjustment clauses to periodically adjust rates,  
5 so as to track changes in the costs of purchased gas for local gas distribution utilities or to  
6 track changes in the costs of generation fuel and/or purchased power incurred by electric  
7 utilities. Fuel Adjustment Clause (FAC) and Purchased Gas Adjustment (PGA)  
8 mechanisms are employed by state regulators when fuel and purchased energy  
9 commodity costs are recognized to be:

- 10 • Large in relation to the total cost to provide electric service;
- 11 • Subject to market forces (rather than management control);
- 12 • Volatile and difficult to reasonably quantify in rate cases; and
- 13 • Substantial enough to cause potentially significant earnings volatility if not  
14 tracked.

15 Another exception to traditional test period regulation that occurs with some  
16 regularity is the concept of deferral accounting, which is sometimes referred to as an  
17 accounting authority order. For designated transactions or types of costs, the utility may  
18 be allowed to deviate from the accounting otherwise required under Generally Accepted  
19 Accounting Principles (GAAP) or the Federal Energy Regulatory Commission (FERC)  
20 accounting principles set forth in the Uniform System of Accounts (USOA). Examples of  
21 accounting deferral orders might include extraordinary storm recovery costs or deferral of  
22 costs associated with merger transaction and transition costs, in an effort to mitigate the

1 financial impact of extraordinary events or to better match cost recognition to the periods  
2 thought to benefit from a merger of utility entities.

3  
4 Q. What general problems are created by the use of rate trackers and accounting deferrals in  
5 place of traditional holistic regulation?

6 A. The primary problem associated with use of these regulatory tools is the potentially  
7 serious distortion of the “matching” that is desirable in a rate case test year. This is often  
8 referred to as the “matching principle” in ratemaking. It recognizes the importance of  
9 matching all revenues and costs (expenses, rate base, rate of return) at a consistent period  
10 of time to determine needed changes in utility pricing. Rate tracker tariffs, such as  
11 AmerenUE’s proposed FAC, cause what is referred to as “piecemeal” ratemaking, where  
12 prices to customers are changed for only “pieces” of the overall revenue requirement,  
13 without regard to whether changes to other non-fuel expenses, rate base, capital cost rates  
14 or increasing sales levels would serve to mitigate the fuel cost changes if also considered.

15 As I mentioned earlier in this testimony, all elements of the revenue requirement  
16 calculation are dynamic through time and changes that are favorable tend to offset other  
17 changes that are unfavorable. For example, adding customers and the related revenue  
18 growth can help “pay for” increases in operating expenses, while growth in the  
19 depreciation reserve tends to offset much of the construction activity that adds new Plant  
20 in Service. If a party is allowed to select certain items for special treatment with a rate  
21 tracker or through deferral accounting, one can reasonably expect that the selected items  
22 will be “cherry picked” by that advocate so as to influence the regulatory process to the  
23 sole advantage of that party.

1 Q. Do piecemeal cost tracking tariffs such as FAC clauses create other problems, beyond the  
2 damage done to test year matching?

3 A. Yes. Other concerns with these rate tracker exceptions to a traditional, balanced test year  
4 analysis of the revenue requirement include:

- 5 • Reduction of management incentives (by eliminating regulatory lag);
- 6 • Shifting of cost responsibility and risk to customers who are least able to influence  
7 cost levels or sales levels;
- 8 • Increases in tariff and bill complexity that may be difficult to explain to customers  
9 or that may complicate customers' ability to control their costs;
- 10 • Administrative complexity and costs associated with audit verification, and  
11 administration of complex accounting entries, cost allocations and/or tariff  
12 calculations, often on an accelerated procedural schedule; and
- 13 • Potential for inadequate regulatory oversight and auditing of tariff application.

14 With these concerns in mind, I believe that exceptions to normal test year ratemaking  
15 using rate trackers and/or deferral accounting should only be allowed when extraordinary  
16 circumstances exist that preclude the setting of just and reasonable rates through  
17 traditional, balanced test year ratemaking procedures.

18  
19 Q. Please explain what you mean by your reference to an FAC causing a reduction of  
20 management incentives by eliminating regulatory lag.

21 A. As noted previously, under traditional regulation, utility management is rewarded for  
22 efforts to control costs and penalized when costs are not effectively controlled between  
23 rate cases, by virtue of regulatory lag in the timing of traditional rate cases. This is a

1 generally desirable phenomena that mimics market incentives that firms face outside of  
2 cost-based regulation – if costs increase beyond the levels recoverable in established  
3 prices, rates of achieved return will suffer and if costs decline, earnings will grow.  
4 Unfortunately, upon implementation of a fuel adjustment clause, any incentive to control  
5 FAC-recoverable energy costs is virtually eliminated. Upon implementation of an FAC  
6 tracker, rational management behavior would shift attention that is now given to the  
7 control of energy costs to other more important areas of the business, because there would  
8 no longer be any earnings benefit from efforts and costs focused upon minimizing fuel  
9 and purchased energy costs. The FAC passes any energy cost savings or any energy cost  
10 increases through to customers, eliminating any incentive to management to reduce such  
11 FAC-recoverable costs, particularly if incremental risks or costs are involved in achieving  
12 such savings.

13  
14 Q. Does AmerenUE currently incur significant capital and O&M expenses in an effort to  
15 maximize the availability and efficiency of its generating units, so as to minimize fuel and  
16 purchased power expenses?

17 A. Yes.<sup>2</sup> The utility business is capital intensive and generating facilities require substantial  
18 ongoing capital investment, as well maintenance resources committed to optimizing  
19 generating unit availability and heat rates. Under traditional regulation, balanced  
20 incentives exist for management to optimize power plant investment and maintenance  
21 costs because spending on such efforts are treated exactly the same way by regulators as

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<sup>2</sup> See for example, the Direct Testimony of AmerenUE witnesses Mr. Charles D. Naslund and Mark C. Birk regarding nuclear production performance and non-nuclear production performance measures historically taken by the Company to improve availability and efficiency under traditional regulation.

1 the fuel and purchased energy cost benefits resulting from such actions – all costs and  
2 benefits are considered together within the test year.

3  
4 Q. Has AmerenUE management acknowledged the significance of an FAC arrangement (or  
5 absence of an FAC) upon its incentive to operate efficiently?

6 A. Yes. In its 1998 Annual Report to shareholders, the Chairman's letter explained how  
7 Ameren continues to seek opportunities to maximize generating assets and increase  
8 operational efficiency. Of particular interest is the following statement made by the  
9 Company's then President and Chief Executive Officer Charles W. Mueller:

10 We are also focused on lowering fuel costs. [I]n 1998 in Illinois, we chose  
11 to eliminate the fuel adjustment clauses, which called for offering credits  
12 if certain fuel costs dropped or increasing customers bills if they rose.  
13 That decision, coupled with the fact that we have operated for several  
14 years without a fuel adjustment in Missouri, has given us additional  
15 incentive to continue to manage our fuel costs effectively.  
16

17 I have included a complete copy of the Chairman's Letter in that year as Schedule MLB-6  
18 attached to my testimony.  
19

20 Q. How does implementation of an FAC disturb the existing incentives for efficient  
21 management of production resources?

22 A. Ameren's CEO spoke in 1999 about how the absence of an FAC provides incentives to  
23 manage fuel costs effectively. Whenever a fuel adjustment clause is implemented that  
24 provides preferential single-issue accelerated rate recognition of fuel cost changes (or  
25 purchased energy changes), relative to production maintenance expenses or capital  
26 spending, there is no longer a level playing field for management. Utility earnings with  
27 an FAC in place can be maximized by reducing production department efficiency

1 spending, creating non-FAC cost savings between rate cases at the same time any  
2 corresponding FAC-recoverable fuel and purchased energy cost increases (caused by  
3 deteriorating generating unit availability and/or heat rates) are recovered through FAC  
4 rate adjustments. Entirely rational management behavior with an FAC in place would be  
5 to subtly reduce spending on production maintenance labor and contractor charges and  
6 de-emphasize capital projects aimed at improved generating unit availability or heat rates,  
7 because any corresponding changes in energy costs simply flow through to customers.  
8 Management should also be less interested in staffing and spending on ambitious fuel  
9 procurement and fuel contract administration efforts if any benefits from spending in this  
10 area simply flow through the FAC to benefit customers. An input mix bias is created by  
11 FAC regulation, where some types of utility costs (FAC-recoverable energy costs) are  
12 treated differently than other types of costs.

13  
14 Q. Mr. Lyons notes in his Direct Testimony that only “prudently incurred” fuel costs can be  
15 recovered under FAC clauses implemented pursuant to SB 179.<sup>3</sup> Does the risk of a  
16 regulatory prudence disallowance replace the loss of regulatory lag incentives that exist  
17 under traditional regulation?

18 A. Not really. After implementation of an FAC, there is only a modest risk of regulatory  
19 prudence disallowance if management negligence is observed and proven to the  
20 satisfaction of the Commission. In my experience, there have rarely been regulatory  
21 disallowances of energy cost increases due to findings of management imprudence. In  
22 contrast, the regulatory lag incentive under traditional regulation is ever present and is not  
23 dependent upon complex auditing and litigation.

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<sup>3</sup> Direct Testimony of Martin J. Lyons, page 6.

1 Q. Does an FAC of the type proposed by AmerenUE change the relationship between the  
2 utility and its customers?

3 A. Yes. A fuel adjustment clause passes along changes in fuel and purchased energy costs to  
4 customers between rate case test years. This pass-through of cost responsibility shifts all  
5 of the risk of fuel and purchased energy cost changes from the utility to its customers who  
6 are least able to influence such cost levels. Unless regulators insist upon a corresponding  
7 adjustment to the utility's allowed rate of return to fully recognize the shifting of costs  
8 and risks from shareholders to ratepayers, there is no benefit to ratepayers from an FAC.

9  
10 Q. Has the Company reduced its recommended return on equity to correspond with the  
11 proposal to shift the risks of fuel and purchased energy cost changes to its ratepayers?

12 A. Not explicitly. According to the Direct Testimony of AmerenUE witness Ms. McShane,  
13 at page 9, the Company's "...estimate of the fair return is premised on AmerenUE's  
14 ability to fully recover its fuel costs, similar to the typical utility in my comparable  
15 sample, which has a fuel adjustment clause. In the absence of a means to recover the  
16 anticipated increases in fuel costs, the cost of capital for Ameren would be higher." Of  
17 course, it is entirely possible for an electric utility to "fully recover its fuel costs" through  
18 base rates without an FAC, as AmerenUE and other Missouri utilities have managed to do  
19 for many years.

20  
21 Q. How else would implementation of an FAC impact AmerenUE customers and the  
22 Commission Staff?



1 A. An FAC process introduces added tariff and bill complexity that may be difficult to  
2 explain to customers. More frequent price changes associated with an FAC also tend to  
3 complicate customers' ability to control their energy costs. Unlike the present  
4 environment, where customers pay a constant rate for the electricity they use and can  
5 reasonably predict what they will pay at a given level of usage, an FAC tariff introduces  
6 variable pricing and less predictable costs to consumers.

7 From the perspective of the regulatory agency and its staff, an FAC adds to  
8 administrative complexity and costs associated with audit verification, and administration  
9 of complex accounting entries, cost allocations and related tariff calculations. Mr. Lyon's  
10 Direct Testimony refers to "extensive minimum filing requirements" in connection with  
11 the FAC and to "exhaustive monthly surveillance data during the period the FAC is in  
12 effect" as well as to "true-up proceedings and prudence reviews". While his concern is  
13 likely focused upon the Company's burden to produce such documentation, the  
14 Commission should also be mindful of the corresponding burden upon its staff and all  
15 concerned customer representatives who must review and analyze such data to effectively  
16 monitor future FAC rate increases.

17  
18 Q. Under what circumstances should regulators consider adoption of tracking tariffs and/or  
19 regulatory deferral accounting for specific changes that occur between rate case test years,  
20 in spite of the concerns you have noted that are caused by such piecemeal single-issue  
21 ratemaking?

22 A. Because of the concerns I have described, rate trackers and cost deferrals should be  
23 approved only in instances where compelling circumstances justify departure from

1 traditional test period review of all costs and revenues within formal rate case proceedings  
2 in which the overall revenue requirement can be audited and considered in a balanced and  
3 synchronized manner. Costs or revenue changes to be deferred or rate tracked on a  
4 piecemeal basis should generally have all of the following attributes to merit such  
5 exceptional and preferential rate recovery treatment:

- 6 1. Substantial enough to have a material impact upon revenue requirements  
7 and the financial performance of the business between rate cases.
- 8 2. Beyond the control of management, where utility management has little  
9 influence over experienced revenue or cost levels.
- 10 3. Volatile in amount, causing significant swings in income and cash flows if  
11 not tracked.
- 12 4. Straightforward and simple to administer, readily audited and verified  
13 through expedited regulatory reviews.
- 14 5. Balanced and not distortive of test period relationships – reflective of factors  
15 that mitigate impacts in a manner that preserves test year matching  
16 principles.

17 In the testimony that follows, I will apply these general criteria to the FAC tariff being  
18 advocated by AmerenUE, so as to illustrate why the Company's proposed FAC should be  
19 rejected at this time.

20  
21 Q. In your opinion, has AmerenUE justified its proposed new FAC tariff by making a  
22 showing that exceptional piecemeal ratemaking is needed for its fuel and purchased  
23 power expenses in relation to the criteria that you describe?

1 A. No. It appears that AmerenUE desires implementation of an FAC tariff because the  
2 Company's fuel costs have been increasing and are expected to continue to increase.<sup>4</sup>  
3 The expectation that an isolated cost category, such as fuel expense, will increase in the  
4 future is not sufficient justification for singling out that cost category for piecemeal rate  
5 tracking. Clearly, shareholders would be advantaged if these expectations materialize and  
6 if a new FAC tariff is implemented to translate cost increases into piecemeal future rate  
7 increases. However, I would encourage the Commission to exercise its discretion when  
8 considering departures from traditional regulation by allowing piecemeal rate tracking  
9 tariffs only when merited by a showing of extraordinary circumstances under which  
10 continued traditional ratemaking cannot be expected to produce just and reasonable future  
11 rates.

12  
13 **THE AMERENUE PROPOSED FAC**

14 Q. Please describe the Company's proposed FAC tariff.

15 A. The Company has proposed a very inclusive FAC approach, under which most costs  
16 recorded in FERC Account Nos. 501 (fuel), 536 (water for power), 547 (gas fuel), 518  
17 (nuclear fuel), and Accounts 555, 565 and 575 (purchased power, transmission and  
18 market administration) would be tracked for FAC recovery. A base level of these costs  
19 would be established in the pending rate case, which AmerenUE has quantified at 1.341  
20 cents per kWh prior to rate case true-up.<sup>5</sup> Future variations from this base rate recovery  
21 level of energy costs would be deferred during rolling 3-month accumulation periods, for

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<sup>4</sup> See Direct Testimony of Messrs. Warner Baxter, pages 8-10, 21, 38, Robert K. Neff at pages 2-7, 40-41 and Martin J. Lyons Jr. at pages 4 and 5.

<sup>5</sup> Id, page 7.

translation into FAC rate changes to be implemented during a recovery period commencing 3-months after conclusion of each accumulation period.<sup>6</sup>

The proposed tariff is captioned “Rider A” and is set forth in Mr. Lyon’s Schedule MJL-1-1. The tariff contains an “FPA DETERMINATION” formula with defined terms that summarize how the proposed FAC process would function. This proposed formula also includes a factor “SMS” to allow for rate tracking of what Mr. Lyon’s characterizes as “...to be used to flow through a share of off-system sales margins to customers, if applicable. The Company’s primary proposal for addressing off-system sales margins in this case is to include a fixed amount of off-system sales margins (based upon a normalized level of off-system sales margins for the test year) in the revenue requirement used to calculate the Company’s base rates.”<sup>7</sup>

Q. If we focus upon the test year fuel and purchased power expenses making up the 1.341 cents per kWh proposed by AmerenUE for base rate recovery, what is the makeup of those expenses?

A. The vast majority (about 83%) of the Company’s normalized test year energy costs are associated with its coal-fired generation and its nuclear generation, as indicated in the following table:

Base Rate FAC Costs by Type	<u>\$ million</u>	<u>%</u>
Coal	409	76%
Nuclear	39	7%
Gas	14	3%
Oil	2	0%
Purchased Power/Transmission	75	14%
Total Energy Cost in Base Rates	539	100%

Source: AmerenUE response AG/UTI-232

<sup>6</sup> Direct Testimony of Martin J. Lyons, page 8.  
<sup>7</sup> Id, page 8.

1  
2 This mix of AmerenUE energy inputs is quite significant in considering how modestly  
3 exposed the Company is to fluctuating market prices for commodity fuel supplies, as  
4 explained in greater detail in the next section of this testimony.  
5

6 Q. According to AmerenUE witness Mr. Lyons' testimony, "AmerenUE's fuel, fuel-related  
7 transportation and purchased power costs are large and volatile components of its cost of  
8 service. Moreover, these costs fluctuate based on changes in national and international  
9 market conditions, and as a result they are in large part beyond AmerenUE's ability to  
10 control." Are these reasonable criteria to support rate tracking FAC treatment of such  
11 costs?

12 A. Generally, very large and volatile utility costs that are beyond the control of management  
13 and that are substantial enough to cause potential earnings volatility, if not tracked, are  
14 eligible for consideration for piecemeal rate tracking treatment. However, AmerenUE's  
15 fuel and fuel-related transportation and purchased power costs are relatively less volatile  
16 and more controllable by management than is true for other utilities, as more fully  
17 explained in the next section of my testimony. For this utility, the problems arising from  
18 piecemeal single-issue rate adjustments using an FAC tracker outweigh the apparent need  
19 for such ratemaking. Therefore, traditional regulation of AmerenUE energy costs can be  
20 expected to maintain a more equitable balance between ratepayers' and shareholders'  
21 interests and the Company's FAC proposal should be rejected.  
22  
23  
24

1 COMPANY-SPECIFIC CONSIDERATIONS

2 Q. How does AmerenUE acquire the majority of the energy that is sold to its customers?

3 A. As noted in the table on page 18, more than three fourths of UE energy costs (about 76  
4 percent) arise from AmerenUE's coal-fired baseload generation. AmerenUE is less  
5 exposed to volatile gas and oil fuel prices than other utilities in the Midwest because of  
6 its heavy utilization of coal-fired baseload generation. According to AmerenUE witness  
7 Mr. Robert K. Neff, "AmerenUE will generate 79% of its electricity from coal-fired  
8 power plants in the test year....Ninety-six percent of the coal used in these plants  
9 originates in the Powder River Basin." The Company's coal intensive fuel mix is also  
10 confirmed by AmerenUE witness Mr. Mark C. Birk who notes at page 16 of his Direct  
11 Testimony, "Even with the addition of these CTGs, a high percentage of the energy  
12 produced by AmerenUE will continue to be produced from AmerenUE's baseload  
13 generating units. On average, it is expected that AmerenUE's CTG fleet will run only a  
14 small percentage of the time over the next few years."

15  
16 Q. Does AmerenUE purchase most of its coal under term contracts with fixed prices?

17 A. The Company employs a \*\* [REDACTED]  
18 [REDACTED], \*\* by pooling PRB coal requirements and  
19 purchasing \*\* [REDACTED]  
20 [REDACTED]. \*\*<sup>8</sup> As part of this process, AmerenUE has adopted \*\* [REDACTED]  
21 [REDACTED], \*\* which Mr. Neff explains at page 16, stating, \*\* "[REDACTED]  
22 [REDACTED]  
23 [REDACTED]

---

<sup>8</sup> Direct Testimony of AmerenUE witness Mr. Robert K. Neff, pages 11-17.

1 [REDACTED]  
2 [REDACTED]  
3 [REDACTED]  
4 [REDACTED]  
5 [REDACTED] \*\*

6  
7 Q. Will latest known current prices paid by AmerenUE for coal be included as part of the  
8 rate case true-up procedure in the pending rate case?

9 A. Yes. Contract coal prices for the test year are to be trued-up based upon actual pool PRB  
10 and Illinois coal delivered prices as of January 2007. Through this true-up process, all  
11 historical increases in coal and freight costs sustained by AmerenUE through January  
12 2007 would be fully included within the revenue requirement. This is significant because  
13 the historical delivered price increases per ton that are displayed by Mr. Neff in his Table  
14 2: Summary of total Coal and Transportation Costs at page 38 of his testimony will be  
15 completely captured by the traditional ratemaking process, making only future price  
16 changes relevant in determining AmerenUE's need for an FAC tariff for its changes in its  
17 coal fuel costs.

18  
19 Q. Have PRB coal prices at the mine stabilized recently, after the large run-up in prices  
20 associated with the supply disruptions that occurred in 2005?

21 A. Yes. Attached to my testimony as Schedule MLB-5 is a Coal News and Markets report  
22 dated December 20, 2006 issued by the United States Energy Information Administration  
23 ("EIA") that illustrates recent cost trends for coal supplies, indicating in a table on page 2

1 the relative stability of PRB spot coal prices at around \$10 per ton in the past few weeks,  
2 after a period of steep price increases throughout 2005. This information confirms data  
3 presented by Mr. Neff indicating significant historical price increases at the mine for PRB  
4 coal, but does not support a conclusion that future prices will necessarily trend upward.

5 In fact, the EIA reports at page 2 that:

6 The slackened spot markets are now quiescent. A number of factors  
7 contributed to the present lull: concerted efforts that started this past  
8 spring to rebuild depleted coal consumer stockpiles with increased  
9 deliveries; the opening of shuttered and new mines following the  
10 prolonged high coal prices from mid-2004 through early 2006; a relatively  
11 mild summer in the service areas of most coal-burning electricity  
12 providers; and a mild autumn in most of the eastern United States. Coal  
13 stocks in the electric power sector equated to at 44 days supply  
14 (125.6MMst) as of September. Coal-fired electric power generators were  
15 in a better position than in September in either of the previous two years;  
16 the most recent time that end-of-September coal stocks were as high as 44  
17 days' supply was in 2003.  
18

19 It is reasonably expected that the true-up of AmerenUE fuel prices to replace estimated  
20 coal costs with actual costs of January 2007 will be a downward adjustment because of  
21 the softening of coal market prices that is noted in the EIA report.<sup>9</sup>  
22

23 Q. In addition to the price of coal at the mine, is rail freight a significant element of the  
24 delivered cost of coal burned by AmerenUE in its base-load generating stations?

25 A. Yes. Most of the coal burned by AmerenUE is PRB fuel for which 2007 freight costs \*\*

26 [REDACTED] \*\*. Mr. Neff notes in his testimony that

27 AmerenUE faces \*\* [REDACTED]

28 [REDACTED] \*\*, as summarized in the table below:

---

<sup>9</sup> This adjustment is anticipated by preliminary updated information explained in my earlier Direct Testimony at pages 16-17 regarding State Adjustment C-3 (at line 1).





1 A. With respect to the delivered price of PRB coal inclusive of freight costs, AmerenUE  
2 faces a limited known cost increase in 2008 over 2007 prices associated with freight  
3 rates, as noted by Mr. Neff at page 41:

4 For the year 2008, AmerenUE will ship approximately 23.3 million tons  
5 of coal. \*\* [REDACTED] \*\* of the PRB coal transportation needed for the projected  
6 22.7 million tons of PRB shipments is currently hedged under contract at  
7 an average coal freight rate of \*\* [REDACTED] \*\* per ton.  
8

9 This anticipated 2008 average freight price is \*\* [REDACTED] \*\* percent higher than the \*\* [REDACTED]  
10 \*\* price estimated by AmerenUE for PRB coal freight in 2007. Thus, AmerenUE faces  
11 known PRB coal cost increases of approximately \*\* [REDACTED] \*\* per ton on the 22.7 million  
12 tons of projected PRB coal to be burned in 2008, which amounts to an annual expense  
13 impact of \*\* [REDACTED] \*\* million. As noted previously in this testimony, much of  
14 AmerenUE's PRB coal cost that is additive to these known freight rates has been hedged  
15 with multi-year contracts and market prices for PRB coal have recently softened, as  
16 shown in Schedule MLB-5.  
17

18 Q. Is this estimated delivered coal fuel expense increase in 2008 large enough to have a  
19 material impact upon revenue requirements and the financial performance of the business  
20 between rate cases?

21 A. No. This anticipated expense increase associated with the largest element of AmerenUE  
22 fuel expense, its delivered cost of PRB coal, represents less than \*\* [REDACTED] \*\* percent of  
23 annual Missouri retail revenues and less than \*\* [REDACTED] \*\* percent of test year operating  
24 income.<sup>11</sup> The vast majority of AmerenUE generation uses PRB coal as its fuel supply,  
25 for which the Company anticipates known modest cost increases under mostly fixed

---

<sup>11</sup> Annual Missouri revenues at present rates of \$2,501 million and pretax operating income of \$620 million are set forth at column D, lines 1 and 16 of State Accounting Schedule C.

1 contract prices for coal and freight, subject to only limited fluctuations in price for quality  
2 variations and for price fluctuations for diesel fuel burned by the railroads.

3  
4 Q. The next second largest element of the Company's energy supply mix is the cost of  
5 purchased power and transmission expenses, which represent about 14 percent of total  
6 test year megawatthours. Is AmerenUE exposed to significant known cost increases or  
7 price volatility with regard to purchased power in the near future?

8 A. No. About \*\* [REDACTED] \*\* million of this expense category relate to MISO charges for  
9 transmission line losses, which should remain relatively stable in the future.<sup>12</sup> There is no  
10 reason for these energy loss costs to vary for the existing transmission network. Most of  
11 the remaining purchased energy cost in the category for the test year was purchased under  
12 a cost-based firm power supply contract with Entergy Arkansas, with a term that expires  
13 in \*\* [REDACTED] \*\*. <sup>13</sup> Energy purchased by AmerenUE under this contract during  
14 the test year was priced at only \*\* [REDACTED] \*\* per MWH.<sup>14</sup> When this contract expires  
15 after \*\* [REDACTED] \*\*, the Company will be exposed to market pricing for replacement  
16 power, but considerable savings will be realized through avoidance of capacity payments  
17 to Entergy Arkansas in the amount of approximately \*\* [REDACTED] \*\* million annually.<sup>15</sup>

18 In addition to the MISO charges and purchased power from Entergy, the  
19 Company makes hourly purchases of energy to serve its load at market prices. The  
20 hourly purchases at market prices and the replacement energy AmerenUE will require

---

<sup>12</sup> Ameren response to Data Request No. AG/UTI-202 and confidential workpaper GSW-WP-E1163.

<sup>13</sup> AmerenUE response to Data Request No. STF 147 \*\* [REDACTED] \*\*

<sup>14</sup> AmerenUE confidential response to Data Request No. MPSC 140 indicates contract purchase energy costs  
of \*\* [REDACTED] \*\*

\*\* per MWH. Only the energy component of these costs would be FAC recoverable under the AmerenUE  
tariff proposal.

<sup>15</sup> Ameren confidential workpaper GSW-WP-E1163.

1 upon expiration of the Entergy purchase arrangement create some exposure to market  
2 price volatility. However, it should be noted that the Company is a net seller of energy,  
3 with annual normalized off-system sales margins estimated at \$183 million by the  
4 Company,<sup>16</sup> an amount which far exceeds the cost of purchased power. If the market  
5 price of energy increases in the future, AmerenUE stands to profit from higher sales and  
6 margins, that should mitigate and may fully offset any exposure the Company may have  
7 to higher prices for energy that it must purchase.  
8

9 Q. Is it fair to attribute much of any market price risk that AmerenUE faces through  
10 utilization of purchased power at market prices to the Company's failure to retain its  
11 entitlement to the Joppa coal-fired generation that was addressed in your earlier revenue  
12 requirement Direct Testimony?

13 A. Yes. If Ameren had not allowed the purchase by UE of 400MW of capacity and energy  
14 from EE Inc. to expire on December 31, 2005, an even higher percentage of the total  
15 energy to serve AmerenUE load would continue to be sourced from low-cost, coal-fired  
16 purchased capacity on a going forward basis.<sup>17</sup>  
17

18 Q. Will the Company's proposed FAC improperly reward the Company upon expiration of  
19 the Entergy Arkansas purchased power arrangement?

20 A. When the Entergy Arkansas transaction expires, the Company will begin to realize  
21 capacity charge savings of \*\* [REDACTED] \*\* million per year, even though this expense is

---

<sup>16</sup> Supplemental Direct Testimony of Shawn Schukar, page 2. Much higher off-system sales margins are estimated by MPSC Staff witness Mr. Rahrer and by the State in preliminary estimates contained in State Joint Accounting Schedule C-2.

<sup>17</sup> See Direct Testimony of Michael L. Brosch filed on December 15, 2006, at pages 18-29.

1 included in the Company's base rate revenue requirement.<sup>18</sup> Then, if AmerenUE  
2 purchases replacement energy for the expiring Entergy contract at hourly market prices,  
3 with no explicit new demand charges, the capacity charge savings will be pocketed for  
4 shareholders at the same time any increased purchased energy costs are rolled into FAC  
5 rate increases for consumers. This is an example of complexity and inequity that can  
6 arise upon implementation of piecemeal rate tracking tariffs like the Company's proposed  
7 FAC.

8  
9 Q. Turning next to nuclear fuel expenses for Callaway, which represents about 7 percent of  
10 overall energy costs in the test year, how volatile have such costs been historically?

11 A. Nuclear fuel prices for Callaway station have been very stable and are expected to remain  
12 stable. According to AmerenUE's Supplemental Response to Data Request No. MPSC  
13 61, Callaway nuclear fuel costs include three components: fuel, spent fuel and  
14 decommissioning and dismantling charges. The spent fuel charges are fixed at  
15 \$.936/mwh and decommissioning and dismantling are fixed at \$1,593,742 per year.  
16 Thus, the remaining variable portion of nuclear fuel expense is subject to change  
17 generally after each refueling outage for Callaway, when new fuel assemblies are inserted  
18 into the reactor. The next scheduled outage in the spring of 2007 and the costs of fuel  
19 expected after that refueling outage are already largely reflected in the Company's test  
20 year fuel run.<sup>19</sup>

21  

---

<sup>18</sup> Ameren Confidential workpaper GSW WP-E1163.

<sup>19</sup> AmerenUE responses to Data Request Nos. STF-61 and STF-140.

1 Q. There has been widespread concern in the utility industry regarding the volatility  
2 surrounding prices of fuel oil and natural gas used as fuel by electric utilities. How much  
3 exposure does AmerenUE have to this fuel resource?

4 A. Very little. This is the primary issue that differentiates AmerenUE from other utilities  
5 that may be able to justify piecemeal fuel cost rate adjustments through use of FAC  
6 tariffs. This utility relies upon its gas and oil fired combustion turbine peaking units for  
7 less than \*\* [REDACTED] \*\* percent of annual generation.<sup>20</sup> At test year estimated fuel price  
8 levels, gas and oil fuel represent only about three percent of total energy costs.<sup>21</sup> Thus,  
9 AmerenUE has very slight exposure to any future volatility in gas and oil prices.

10  
11 Q. You have described AmerenUE's generation fuel mix, which is heavily weighted  
12 toward coal and nuclear generation. Do you believe that the Company's exposure to  
13 future fuel price fluctuations represent a potentially material impact upon revenue  
14 requirements and the financial performance of the business between rate cases?

15 A. No. The potential magnitude and timing of future fuel price changes, given the  
16 Company's largely coal and nuclear fuel mix and its proven ability to stabilize costs  
17 with long-term contracts and other hedging devices, do not represent a significant  
18 financial exposure in the normal intervals required between rate cases. Because of its  
19 fuel and freight cost hedging procedures and existing contract position, AmerenUE  
20 should be able to sufficiently anticipate fuel price changes that do occur in time to  
21 commence traditional rate case proceedings when needed to ensure just and  
22 reasonable rates reflective of overall costs of service (including energy costs).

---

<sup>20</sup> Workpapers of AmerenUE witness Mr. Finnell, "FBREPORT\_PSC05\_Sep8.xls"  
<sup>21</sup> AmerenUE response to Data Request No. AG/UTI-202.

1        Additionally, the continual ongoing load growth in the Missouri service territory  
2        served by the Company can be expected to yield additional margin revenues that will  
3        be available to help pay for any gradual future increases in fuel expense that may  
4        occur.

5  
6    Q.    Are AmerenUE fuel and purchased power costs beyond the control of management,  
7        where utility management has little influence over experienced cost levels?

8    A.    No. There is considerable evidence sponsored by Company witnesses indicating  
9        steps taken by AmerenUE to stabilize and control its incurred energy costs. The fact  
10       that the Company has not required a Missouri rate case in many years, even though  
11       no FAC has existed historically, is an indication of how fuel cost increases that have  
12       been experienced must have been offset by revenue growth and/or cost reductions  
13       achieved in other parts of the business. Any volatility in energy costs historically has  
14       not resulted in significant swings in income and cash flows that forced the Company  
15       to seek rate relief.

16  
17                    **ADMINISTRATIVE COMPLEXITY CONCERNS**

18    Q.    Do you expect the FAC that AmerenUE has proposed will prove to be simple to  
19        administer, readily audited and easily verified through expedited regulatory reviews?

20    A.    No. Comprehensive monthly financial and operational data is required to be filed  
21        under 4 CSR 240-3.161(5) that must be reviewed, analyzed, and/or audited by Staff  
22        and other concerned parties to monitor AmerenUE reported results, if an FAC tariff is  
23        approved for the Company. Surveillance monitoring reports are also required under 4

1 CSR 240-3.161(6) that become much more important for any utility with an FAC,  
2 because they enable the Staff to track whether the piecemeal rate changes pursuant to  
3 the FAC are contributing to excessive earnings. In addition, 4 CSR 240-3.161(7)  
4 specifies additional detailed reporting and rate change calculations to coincide with  
5 each filing made by AmerenUE to adjust its FAC rate. Under the Company's  
6 proposal, these filings would occur quarterly and the accuracy of all calculations, as  
7 well as the prudence of all underlying transactions, would need to be addressed by  
8 Staff pursuant to 4 CSR 240-20.090(4) in a "recommendation regarding its  
9 examination and analysis to the commission not later than thirty (30) days after the  
10 electric utility files its tariff schedule to adjust its FAC rates."

11  
12 Q. Does the approval of an FAC tariff for AmerenUE also add regulatory complexity by  
13 requiring the conduct of periodic prudence audits of all energy costs subject to the  
14 FAC?

15 A. Yes. Prudence reviews are required no less frequently than at eighteen month  
16 intervals, pursuant to 4 CSR 240-20.090(7). More frequent general rate cases may  
17 also result from implementing an FAC, because such filings are required within not  
18 more than four years of FAC approval under the provisions of 4 CSR 240-20.090(6).

19  
20 Q. Are there additional complexities caused by the Taum Sauk outage that further  
21 complicate implementation and administration of any fuel adjustment clause for  
22 AmerenUE at this time?



1 A. Yes. As noted in my prior revenue requirement Direct Testimony, any future FAC rate  
2 adjustments that are based upon changes in per book actual fuel and purchased power  
3 costs incurred by the Company will be impacted by the higher costs incurred because of  
4 the Taum Sauk outage. This could force ratepayers to pay for the higher incurred fuel  
5 costs and purchased power costs caused by the Taum Sauk incident. In its response to  
6 Data Request AG/UTI-83, the Company stated that test year estimated fuel expense and  
7 purchased power expense would be \$6.4 million higher if Taum Sauk were modeled as  
8 unavailable for the entire year. There is also a negative impact upon realized off-system  
9 sales margins caused by the Taum Sauk outage, which AmerenUE estimates to be about  
10 \$15.0 million annually in the same Data Request response. The Commission's fuel  
11 adjustment rules preclude recovery of increased costs resulting from negligent or  
12 wrongful acts or omissions by the utility.<sup>22</sup> Therefore, any FAC, approved for  
13 AmerenUE, would require careful monitoring and ongoing special studies to adjust  
14 recorded costs to ensure that ratepayers are not charged for Taum Sauk outage effects.

15  
16 Q. Is future administration of the proposed FAC tariff for AmerenUE also potentially  
17 complicated by the Company's handling of the EE Inc. purchased power contract that  
18 was allowed to expire?

19 A. Yes. Unless the Commission ultimately agrees with AmerenUE's proposal to retain the  
20 economic benefits of the Joppa station for the sole benefit of shareholders, over the  
21 objections of Staff, the State and other concerned intervenors, the Company's future per  
22 books fuel expenses would be much higher than if the purchase arrangement had

---

<sup>22</sup> 4 CSR 240-20.090 (1) Definitions states that "Fuel and purchased power costs means prudently incurred and used fuel and purchased power costs, including transportation costs. Prudently incurred costs do not include any increased costs resulting from negligent or wrongful acts or omissions by the utility."

1 continued. Depending upon the resolution of this issue, considerable complexity may be  
2 added to any FAC administration procedures if reported actual energy costs require a  
3 second special study and a related adjustment prior to calculating FAC rate adjustments.  
4

#### 5 **OFF-SYSTEM SALES TRACKING**

6 Q. In your prefiled revenue requirement Direct Testimony, you indicated that AmerenUE  
7 off-system sales should be subject to regulatory tracking and adjustment, either as part of  
8 the Company's fuel adjustment clause tariff that is sponsored by Mr. Lyons, or through a  
9 separate deferred accounting tracking mechanism if the Commission does not approve an  
10 FAC for the Company.<sup>23</sup> Why do you believe that AmerenUE off-system sales margins  
11 merit special rate tracking if the Company's overall energy costs do not?

12 A. As I noted in my revenue requirement Direct Testimony, there is no historical benchmark  
13 for evaluation of off-system sales margins that may recur in the future, because of the  
14 many fundamental changes being made to the Company's power supply resources,  
15 including termination of the Joint Dispatch Agreement, expiration of the EE Inc. contract,  
16 startup of the MISO Day 2 energy markets in 2005 and the addition of substantial new  
17 CT generating capacity. There is clearly a wide range of opinions regarding the normal  
18 ongoing level of off-system sales margins for the test year.<sup>24</sup> The Company's witness  
19 acknowledged the significant uncertainties involved in estimating off-system sales  
20 margins and the risk to either customers or shareholders if this amount is determined

---

<sup>23</sup> Direct Testimony of Michael L. Brosch, page 13.

<sup>24</sup> AmerenUE witness Mr. Schukar advocates inclusion of \$183 million, but a much lower base amount of \$120 million if tracking and sharing is approved (Supplemental and Direct Testimony pages 2 and 21, respectively) while my Direct Testimony recommends a \$41 million increase to the Company's \$183 million amount (State Schedule C-2) and Staff recommends in excess of \$360 million in off-system sales margins for the test year (See Staff Adj. S-5.1) increases Interchange sales revenues to \$543 million, while fuel costs to support interchanges sales is \$178 million (see Staff workpapers).

1       inaccurately. These facts support a conclusion that off-system sales are much more  
2       difficult to accurately quantify for inclusion in base rates than the Company's broader  
3       overall energy costs.  
4

5   Q.   How should the separate deferred accounting tracking mechanism for off-system sales  
6       margins that you recommend be implemented if the Commission does not approve the  
7       AmerenUE FAC tariff and the SMS factor for off-system sales tracking therein?

8   A.   Commencing on the effective date of the Commission's rate case order, AmerenUE  
9       should compare its actual realized monthly off-system sales margins in the Missouri retail  
10      jurisdiction to the dollar amount ordered for inclusion in the rate case by the  
11      Commission. The variance in these two values, on a monthly basis, should be  
12      accumulated within a regulatory asset/liability account for consideration in the  
13      Company's next Missouri rate case, along with interest on the balance at a rate consistent  
14      with the utility's cost of short term borrowed funds.  
15

16   Q.   Does this conclude your direct testimony regarding fuel adjustment clause matters?

17   A.   Yes.

**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

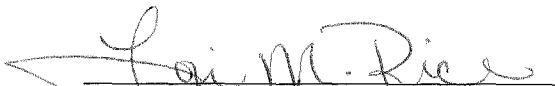
**AFFIDAVIT OF MICHAEL L. BROSCH**

STATE OF MISSOURI             )  
  ) ss  
COUNTY OF JACKSON         )

Michael L. Brosch, being of lawful age, on his oath states: that he has participated in the preparation of the foregoing Direct Testimony in question and answer form to be presented in the above case; that the answers in said Direct Testimony were given by him; that he has knowledge of the matters set forth in such answers; and that such matters are true and correct to the best of his knowledge and belief.

  
\_\_\_\_\_  
Michael L. Brosch

Subscribed and sworn to before me this 28 day of December, 2006.

  
\_\_\_\_\_  
Notary



LORI M. RICE  
My Commission Expires  
June 7, 2010  
Jackson County  
Commission #06897298