

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

In the Matter of the First True-Up)
Filing Under the Commission-)
Approved Fuel Adjustment Clause of) File No. ER-2010-0274
Union Electric Company d/b/a Ameren Missouri.)

STIPULATION OF FACTS

COME NOW Union Electric Company d/b/a Ameren Missouri (“Company” or “Ameren Missouri”) and the Staff of the Missouri Public Service Commission (the “Staff”) and agree that the following facts are true and undisputed:

1. The Company, the Staff, Public Counsel, the Missouri Industrial Energy Consumers (“MIEC”), and Noranda Aluminum, Inc. entered into a non-unanimous agreement, “Stipulation and Agreement as to all FAC Tariff Rate Design Issues” (the “FAC Stipulation”), in Case No. ER-2008-0318. A true and correct copy of the FAC Stipulation is attached hereto and incorporated herein by this reference as Exhibit A. The FAC Stipulation incorporates by reference part of the non-unanimous “Stipulation and Agreement as to Off-System Sales Related Issues” (the “OSS Stipulation”) filed December 11, 2008 in Case No. ER-2008-0318. A true and correct copy of the OSS Stipulation is attached hereto and incorporated herein by this reference as Exhibit B

2. No party objected to the FAC Stipulation, and thus the Commission treated the FAC Stipulation as unanimous in accordance with the Commission’s procedural rules. The Commission approved the FAC Stipulation as submitted.

3. Except for the “Summer NBFC Rate,” the “Winter NBFC Rate,” and the sharing percentage to be applied to changes in net fuel costs, the FAC Stipulation reflected agreement on all of

the terms and conditions of the Company's fuel adjustment clause, if the Commission authorized Ameren Missouri to implement a fuel adjustment clause in Case No. ER-2008-0318.

4. In Case No. ER-2008-0318 the Commission authorized Ameren Missouri to implement a fuel adjustment clause.

5. The Company filed fuel adjustment clause tariff sheets in Case No. ER-2008-0318 that included all the terms and conditions of the FAC Stipulation, the Staff reviewed them and recommended the Commission approve them, and the Commission approved the tariff sheets on February 19, 2009, to become effective March 1, 2009. A true and correct copy of the FAC tariff sheets the Commission approved in Case No. ER-2008-0318 are attached hereto and incorporated herein by this reference as Exhibit C, and hereinafter are referred to as "Rider FAC."

6. Rider FAC applied to electric service the Company provided from March 1, 2009, through June 20, 2010.

7. Rider FAC was in effect throughout some or all of five different Accumulation Periods ("AP"), as AP is defined in Rider FAC.

8. The Company will make a total of five true-up filings, one for each AP, in which the terms and conditions of Rider FAC will apply for all or part of the AP. This case is the first true-up filing and arose from the first AP under Rider FAC.

9. Starting with customer billings in the Ameren Missouri October 2009 billing month, customer bills contained a Rider FAC line item expressed in dollars, which reflected the FPA_C rate applied to each customer's usage during the period covered by the customer's bill.

10. The FPA_C rate is determined according to a formula in Rider FAC, as follows:

$$FPA_C = FPA_{(RP)} + FPA_{(RP-1)} + FPA_{(RP-2)}$$

$$\text{where } FPA_{(RP)} = [(CF + CPP - OSSR - TS - S) - (NBFC \times S_{AP})] \times 95\% + I + R / S_{RP}$$

11. The FPA_C rate formula contains several inputs, each of which must be determined according to the terms of Rider FAC. One of those inputs—“NBFC”—is defined in Rider FAC.

12. The FAC charges (or credits) appearing as a line item on customers’ bills reflect for certain accumulation periods 95% of the difference between (i) and (ii), where (i) is the Company’s actual fuel and purchased power costs adjusted by the Taum Sauk (TS) and Stipulation (S) factors as agreed to in the FAC Stipulation, net of off-system sales revenues during the relevant accumulation period(s), and (ii) is, for those same accumulation periods, NBFC multiplied by S_{AP} , where S_{AP} is “[s]upplied kWh during the Accumulation Period that ended prior to the applicable Filing Date, at the generation level.”

13. “NBFC” is defined in Rider FAC tariff sheet no. 98.5.

14. The phrase “at the generation level” in the definition of NBFC means that Rider FAC required that the sales used to determine the Summer NBFC Rate and Winter NBFC Rate (the “Test Year Sales”) be determined using kWh sales that included associated transmission and distribution losses, such that the Test Year Sales would reflect the total energy that must be generated to meet the normalized test year load upon which customer rates were set.

15. The Summer NBFC Rate and the Winter NBFC Rate were calculated by dividing allocated Summer and Winter Net Base Fuel Costs determined in Staff’s simulation model runs (“Modeling Runs”) attached as Appendix A to the OSS Stipulation by the respective normalized Summer and Winter kWh sales used in those Modeling Runs.

16. The normalized Summer and Winter kWh sales (“Test Year Sales”) used to calculate the Summer NBFC Rate and the Winter NBFC Rate for Rider FAC were not at the generation level because they included distribution losses, but not transmission losses.

17. If the Test Year Sales used to calculate the Summer NBFC Rate and the Winter NBFC Rate in Rider FAC had included transmission losses, and thus had been determined at the generation level, the Summer NBFC Rate and the Winter NBFC Rate in Rider FAC would have been lower and resulted in the product of NBFC and S_{AP} being lower for each of the accumulation periods where the Summer NBFC Rate and the Winter NBFC Rate of Rider FAC are in effect for any purpose, including true-up and prudence reviews.

18. The Modeling Runs are based on the use of an average system loss factor of 4.9%.

19. The average system loss factor of 4.9% contained only distribution losses.

20. When the Modeling Runs were made, and also when Rider FAC was presented to the Commission in January 2009 for approval, neither the Company nor the Staff recognized that the Test Year Sales did not include transmission losses; thus, neither the Company nor the Staff realized that the Summer NBFC Rate and the Winter NBFC Rate in Rider FAC was not calculated at the generation level.

21. Prior to the commencement of the Midwest Independent Transmission System Operator, Inc. (“Midwest ISO”) Day Two markets in 2005, the Company included distribution and transmission losses in the average system loss factors the Company used as part of the process of booking unbilled sales.

22. After the commencement of the Midwest ISO Day Two markets in 2005, the Company began selling its generation output into the Midwest ISO markets, and began purchasing from the Midwest ISO markets all of the energy required to serve the Company’s load.

23. The Midwest ISO defines “load” to be net of system losses. “System losses” is the term the Midwest ISO uses to describe transmission losses. Consequently, “load” as defined by the Midwest ISO does not include transmission losses.

24. Because of the manner in which the Midwest ISO defines “load,” when the Midwest ISO commenced Day Two markets the Company stopped including transmission losses in the Company’s average system loss factors.

25. In calculating $FPA_{(RP)}$ for each AP, the Company must multiply the appropriate NBFC (Summer NBFC Rate or Winter NBFC Rate) by S_{AP} . S_{AP} is defined by Rider FAC as “Supplied kWh during the Accumulation Period that ended prior to the applicable Filing Date, at the generation level.”

26. In calculating $FPA_{(RP)}$ for each AP, the Company calculated S_{AP} according to its definition in Rider FAC; that is, the Company used estimated kWh, at the generation level, meaning the Company used billing month kWhs adjusted to estimate calendar month usage and adjusted for distribution and transmission losses as Ameren Missouri estimated them in its last loss study.

27. When the Company filed to change to its FPA_C based on the first AP, the Staff did not know the Company had not calculated the sales in the first AP in a manner (with transmission losses) consistent with the Test Year Sales (without transmission losses) used to calculate the Summer NBFC Rate of Rider FAC.

28. Because transmission losses were omitted from the Test Year Sales used to calculate the Summer NBFC Rate and Winter NBFC Rate of Rider FAC, the Summer NBFC Rate and the Winter NBFC Rate of Rider FAC were determined on one basis (without transmission losses; i.e., not at the generation level) and S_{AP} was determined on a different basis (with transmission losses; i.e., at the generation level), creating an unintended mismatch. This mismatch produces a Summer NBFC Rate multiplied by Summer S_{AP} and a Winter NBFC Rate multiplied by Winter S_{AP} , against which actual net fuel costs are compared in determining the $FPA_{(RP)}$ for the accumulation period that is charged (or credited) to customers through FPA_C , that were higher than they would have been had transmission

losses been included when the Summer NBFC Rate and Winter NBFC Rate of Rider FAC were calculated.

29. The Company discovered this mismatch in November 2009 and initially contacted the Staff about it shortly thereafter. They had discussions about the issue in early 2010. Then the Staff, representatives of MIEC and the Company met about the issue on May 11, 2010.

30. The Company and the Staff again met about the issue on August 17, 2010.

31. The Recovery Period (as defined in Rider FAC) arising from the first AP was completed on September 30, 2010.

32. The Company's true-up filing for the first Recovery Period was due and filed by the Company on December 1, 2010.

33. The Company's true-up filing reflects an additional \$482,239 the Company would have billed to its customers throughout the first Recovery Period had the above-described mismatch not existed.

34. This mismatch in including and not including transmission losses in the calculations of the Summer NBFC Rate, Winter NBFC Rate and S_{AP} continued in the Company's calculations of $FPA_{(RP)}$, $FPA_{(RP-1)}$ and $FPA_{(RP-2)}$ throughout the recovery periods for some or all of five different accumulation periods where the Summer NBFC Rate and Winter NBFC Rate found in Rider FAC applied.

35. The Company's position is that it is lawful for the Commission to and that it should allow the Company to collect the additional \$482,239 (plus accumulated interest) through its future FPA_C applied commencing with the first FPA_C adjustment that occurs after this case is resolved, and that the Commission can and should order that the impact of the above-described mismatch be corrected in the Company's next four true-up filings.

36. The Staff's position is that, as a matter of law, the Commission cannot provide the relief requested by the Company; and, secondarily, if it is lawful for the Commission to provide the relief requested by the Company, the Commission should not grant the requested relief.

37. The Company and the Staff agree that the Commission's resolution of this issue, whether in favor of the Company's position or the Staff's position, should apply to this first true-up filing and the Company's next four true-up filings, subject to the rights existing under Section 386.500 et seq., RSMo.

38. The estimated impact of correction of the above-described mismatch in the true-up filings applicable to the next four Recovery Periods is as follows:

Recovery Period 2: \$1,619,423

Recovery Period 3: \$ 982,216

Recovery Period 4: \$1,554,742

Recovery Period 5: \$ 496,675

39. The Summer NBFC Rate and the Winter NBFC Rate in the tariff sheets that succeed Rider FAC that applies to service taken by the Company's customers on and after June 21, 2010 (arising from Case No. ER-2010-0036) were determined at the generation level using sales that include distribution and transmission losses, meaning the issue regarding the mismatch described herein will not be an issue for Accumulation Periods after the fifth Accumulation Period, i.e., starting with the true-up filing for Recovery Period 6.

WHEREFORE, Ameren Missouri and the Staff hereby submit this Stipulation of Facts.

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CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the above and foregoing document was served via e-mail on all counsel of record to the case in which the fuel adjustment clause in effect for the true-up filing made herein was approved, on this 3rd day of March, 2011.

/s/James B. Lowery

**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)	Case No. ER-2008-0318
Service Provided to Customers in the)	
Company's Missouri Service Area.)	

**STIPULATION AND AGREEMENT
AS TO ALL FAC TARIFF RATE DESIGN ISSUES**

COME NOW Union Electric Company d/b/a AmerenUE ("AmerenUE" or the "Company"), the Staff of the Missouri Public Service Commission, the Office of the Public Counsel ("OPC"), the Missouri Industrial Energy Consumers, and Noranda Aluminum, Inc., and respectfully state to the Missouri Public Service Commission ("Commission") that, as a result of negotiations, the undersigned parties (individually, a "Signatory Party" or collectively, the "Signatory Parties") have reached the stipulations and agreements contained herein in order to settle the issues specified below. As set forth below, this Stipulation and Agreement does not settle the issue of whether or not the Company should be permitted to use a fuel adjustment clause ("FAC") or the issue of what an appropriate sharing percentage in any FAC that might be approved should be, neither of which are FAC rate design issues.

1. Issues Settled. If, but only if, the Commission determines that the Company should be permitted to use an FAC, this Stipulation and Agreement settles all known rate design issues relating to the Company's request to implement an FAC and the terms and conditions of the FAC tariff (except that the

sharing percentage to be inserted into the $FPA_{(RP)}$ formula in the revised FAC tariff attached hereto and incorporated herein by this reference as **Appendix A** will depend on whether an FAC is approved and what sharing percentage is approved by the Commission and with the exceptions stated in paragraph 8).

As noted above, no Signatory Party and no party to this case that does not object to this Stipulation and Agreement shall be deemed to have agreed that it is appropriate for the Commission to permit the Company to use an FAC, nor shall any Signatory Party or party to this case that does not object to this Stipulation and Agreement be deemed to have waived or relinquished its right to oppose the Company's request for an FAC or to have waived or relinquished its right to oppose the Company's proposed 95%/5% sharing mechanism. Any Signatory Party or other party to this case that does not object to this Stipulation and Agreement who has previously filed testimony on FAC issues in this case shall remain free to oppose the FAC request or to propose alternative mechanisms to share the changes in Net Fuel Costs (as defined in the Stipulation and Agreement As to Off-System Sales Related Issues ("OSS Stipulation") filed on December 11, 2008 in this case) through the FAC, if the Company is permitted to use an FAC.

2. Specific Agreements. In settlement of the issues identified above, and only in the event the Company is permitted to use an FAC, the following specific agreements have been reached among the Signatory Parties:

- a. Factor NBFC (as defined in the revised FAC tariff attached hereto and incorporated herein by this reference as Appendix B) will be

seasonally differentiated such that a “Summer NBFC Value” (as defined below) applies to June-September (“Summer”) calendar months and a “Winter NBFC Value” (as defined below) applies to October-May (“Winter”) calendar months.

b. The Summer NBFC Rate and the Winter NBFC Rate shall be calculated as follows: the annual value of costs and revenues associated with the already-settled Net Fuel Costs will be allocated to the Summer and Winter months as follows:

i. The modeled fuel and purchased power costs less modeled revenues from off-system sales of energy used to calculate Net Fuel Costs as specified in paragraph 2 of the OSS Stipulation will be determined for Summer and Winter calendar months based on the monthly results of the Staff’s production cost modeling runs attached to the OSS Stipulation as Appendix A thereto, which monthly results are attached hereto and incorporated herein by this reference as **Appendix B**;

ii. Net Fuel Cost components not reflected in Staff’s modeled components of Net Fuel Costs as specified in paragraph 2 of the OSS Stipulation shall be pro-rated to Summer and Winter calendar months based on the number of days in each period.

c. The Summer NBFC Rate and the Winter NBFC Rate will be calculated by dividing allocated Summer and Winter Net Base Fuel Costs by normalized Summer and Winter kWh sales (at the generation level),

respectively, as determined in Staff's simulation model runs attached as Appendix A to the OSS Stipulation.

d. The term "NBFC x S_{AP} " in the FPA formula in the FAC tariff will be applied on a calendar month basis such that the Summer NBFC Rate is applied to the kWh delivered (at the generation level consistent with the definition of the term S_{AP}) during Summer calendar months of any Accumulation Period (as defined in the FAC tariff) and the Winter NBFC Rate is applied to the kWh delivered (at the generation level consistent with the definition of the term S_{AP}) during the Winter calendar months of any Accumulation Period.

e. There will be three 4-month Accumulation Periods per year, defined as Calendar months February through May, June through September, and October through January. The first Accumulation Period will be from the start of the effective date of rates set in this case (anticipated to be March 1, 2009) through May 31, 2009.

f. The Recovery Periods (as defined in the FAC tariff) will be synchronized with monthly billing periods such that: (1) two FAC-related changes in rates will coincide with existing seasonal changes in rates; and (2) one additional FAC-related change in rates will occur in February.

g. Each Recovery Period will last twelve billing months.

h. The timing of the Accumulation Periods, Recovery Periods and other events are depicted in Schedule MJL-SR11 attached to Mr. Lyons'

surrebuttal testimony, which is also attached hereto and incorporated herein as **Appendix C**.

i. The Signatory Parties agree to the definitions of Factors CF, CPP, and OSSR on the exemplar tariff sheets attached hereto.

k. Factor CPP shall provide that changes in replacement power insurance premiums (other than those relating to the Taum Sauk Plant) from the level reflected in base rates shall increase or decrease purchased power costs. It will also provide that costs of purchased power will be reduced by expected replacement power insurance recoveries (other than those relating to the Taum Sauk Plant) qualifying as assets under Generally Accepted Accounting Principles. Concurrently with the date the “TS” factor is eliminated, the premiums and recoveries relating to replacement power insurance coverage for the Taum Sauk Plant shall be included in the CPP Factor.

l. The Company shall use its reasonable best efforts to maintain at least its current levels of replacement power insurance coverage until the effective date of rates set in its next general rate proceeding unless the Company reasonably believes it would be imprudent to do so. If the Company elects not to maintain at least its current levels of coverage it shall document its reasons for its election, which shall be included in the Company’s next quarterly surveillance filing made under the Commission’s FAC rules. The cost of the Company’s current level of

replacement power insurance coverage included in base rates in this case is \$2.4 million.

m. Tariff sheet 98.6 attached hereto and incorporated herein by this reference as **Appendix D** will also become a part of the FAC tariff, if an FAC is approved by the Commission.

n. Insofar as this Stipulation and Agreement resolves all known FAC rate design issues in this case, the witnesses listed under FAC Rate Design issue on the List and Order/Schedule of Issues, and Order of Witnesses and Opening Statements filed in this case shall not be required to further testify in this case, except if Commissioners have questions of them as provided for in paragraph 7 of this Stipulation and Agreement below.

3. This Stipulation and Agreement is being entered into solely for the purpose of disposing of the issues that are specifically addressed in this Stipulation and Agreement. In presenting this Stipulation and Agreement, none of the Parties to this Stipulation and Agreement shall be deemed to have approved, accepted, agreed, consented or acquiesced to any ratemaking principle, procedural principle, or principle or rule of law, including, without limitation, any method of cost or revenue determination or cost allocation or revenue related methodology, or any legal principle or rule of law relating to whether or not the Commission can or cannot modify or discontinue an FAC for the Company (if an FAC is permitted in this case) in a subsequent rate case. Moreover, none of the Parties shall be prejudiced or bound in any manner by the

terms of this Stipulation and Agreement (whether this Stipulation and Agreement is approved or not) in this or any other proceeding, other than a proceeding limited to enforce the terms of this Stipulation and Agreement, except as otherwise expressly specified herein.

4. This Stipulation and Agreement has resulted from extensive negotiations and the terms hereof are interdependent. If the Commission does not approve this Stipulation and Agreement without modification, then the Stipulation and Agreement as a whole and without modification shall be void and no Party shall be bound by any of the agreements or provisions herein, except as specifically provided herein.

5. If the Commission does not unconditionally approve this Stipulation and Agreement without modification, and notwithstanding its provision that it shall become void, neither this Stipulation and Agreement, nor any matters associated with its consideration by the Commission, shall be considered or argued to be a waiver of the rights that any Party has for a decision in accordance with Section 536.080 RSMo 2000 or Article V, Section 18 of the Missouri Constitution, and the Parties shall retain all procedural and due process rights as fully as though this Stipulation and Agreement had not been presented for approval, and any suggestions or memoranda, testimony or exhibits that have been offered or received in support of this Stipulation and Agreement shall become privileged as reflecting the substantive content of settlement discussions and shall be stricken from and not be considered as part of the administrative or evidentiary record before the Commission for any further purpose whatsoever.

6. If the Commission unconditionally accepts the specific terms of this Stipulation and Agreement without modification, the Parties waive, with respect to the issues resolved herein: their respective rights (1) to call, examine and cross-examine witnesses pursuant to Section 536.070(2), RSMo 2000; (2) their respective rights to present oral argument and/or written briefs pursuant to Section 536.080.1, RSMo 2000; (3) their respective rights to seek rehearing pursuant to Section 386.500, RSMo 2000 and (4) their respective rights to judicial review pursuant to Section 386.510, RSMo 2000. These waivers apply only to a Commission order respecting this Stipulation and Agreement issued in this above-captioned proceeding, and do not apply to any matters raised in any prior or subsequent Commission proceeding, or any matters not explicitly addressed by this Stipulation and Agreement. This Stipulation and Agreement contains the entire agreement of the Parties concerning the issues addressed herein.

7. If the provisions of paragraph 2 of this Stipulation and Agreement contradict or are inconsistent with the provisions of the exemplar FAC tariff attached hereto, the FAC tariff shall control.

8. Notwithstanding paragraph 7, OPC reserves the right to contest whether Factors CPP and OSSR should include all costs and revenues associated with all energy and capacity sales made by the Company, including purely financial transactions. Moreover, notwithstanding paragraph 7, OPC is not waiving the right to argue that the Commission's FAC rules allow exceptions to the use of historic costs.

9. This Stipulation and Agreement does not constitute a contract with the Commission.

10. If the Commission has questions for the Parties' witnesses or Parties, the Parties will make available, at any on-the-record session, their witnesses and attorneys on the issues resolved by this Stipulation and Agreement, so long as all Parties have had adequate notice of that session. The Parties agree to cooperate in presenting this Stipulation and Agreement to the Commission for approval, and will take no action, direct or indirect, in opposition to the request for approval of this Stipulation and Agreement.

WHEREFORE, the undersigned Parties respectfully request the Commission to issue an order in this case approving the Stipulation and Agreement subject to the specific terms and conditions contained therein.

Respectfully submitted,

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MO.P.S.C. SCHEDULE NO. 5 Original SHEET NO. 98.1

CANCELLING MO.P.S.C. SCHEDULE NO. _____ SHEET NO. _____

APPLYING TO MISSOURI SERVICE AREA*** RIDER FAC****FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE****APPLICABILITY**

This rider is applicable to kilowatt-hours (kWh) of energy supplied to customers served by the Company under Service Classification Nos. 1(M), 2(M), 3(M), 4(M), 5(M), 6(M), 7(M), 8(M), 11(M), and 12(M).

Costs passed through this Fuel and Purchased Power Adjustment Clause (FAC) reflect differences between actual fuel and purchased power costs, including transportation, net of Off-System Sales Revenues (OSSR) (i.e., Actual Net Fuel Costs) and Net Base Fuel Costs (factor NBFC, as defined below), calculated and recovered as provided for herein.

For purposes of this FAC, the true-up year shall be from March 1 through the last day of February of the following year. The Accumulation Periods and Recovery Periods are as set forth in the following table:

<u>Accumulation Period (AP)</u>	<u>Filing Date</u>	<u>Recovery Period (RP)</u>
February through May	By August 1	October through September
June through September	By December 1	February through January
October through January	By April 1	June through May

Accumulation Period (AP) means the historical calendar months during which fuel and purchased power costs, including transportation, net of OSSR for all kWh of energy supplied to Missouri retail customers are determined.

Recovery Period (RP) means the billing months as set forth in the above table during which the difference between the Actual Net Fuel Costs during an Accumulation Period and NBFC are applied to and recovered through retail customer billings on a per kWh basis, as adjusted for service voltage level.

The Company will make a Fuel and Purchased Power Adjustment (FPA) filing by each Filing Date. The new FPA rates for which the filing is made will be applicable starting with the Recovery Period that begins following the Filing Date. All FPA filings shall be accompanied by detailed workpapers supporting the filing in an electronic format.

FPA DETERMINATION

_____ percent of the difference between Actual Net Fuel Costs and NBFC for all kWh of energy supplied to Missouri retail customers during the respective Accumulation Periods shall be reflected as an FPA_c credit or debit, stated as a separate line item on the customer's bill and will be calculated according to the following formulas.

For the FPA filing made by each Filing Date, the FPA_c rate, applicable starting with the Recovery Period following the applicable Filing Date, to recover fuel and purchased power costs, including transportation, net of OSSR, to the extent they vary from Net Base Fuel Costs (NBFC), as defined below, during the recently-completed Accumulation Period is calculated as:

* Indicates Addition.

DATE OF ISSUE April 4, 2008 DATE EFFECTIVE May 4, 2008ISSUED BY T. R. Voss President & CEO St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

MO.P.S.C. SCHEDULE NO. 5OriginalSHEET NO. 98.2

CANCELLING MO.P.S.C. SCHEDULE NO. _____

SHEET NO. _____

APPLYING TO _____

MISSOURI SERVICE AREA* RIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)

$$FPA_{(RP)} = [[(CF + CPP - OSSR - TS - S) - (NBFC \times S_{AP})] \times \text{ } \% + I + R] / S_{RP}$$

The FPA rate, which will be multiplied by the voltage level adjustment factors set forth below, applicable starting with the following Recovery Period is calculated as:

$$FPA_C = FPA_{(RP)} + FPA_{(RP-1)} + FPA_{(RP-2)}$$

where:

FPA_C = Fuel and Purchased Power Adjustment rate applicable starting with the Recovery Period following the applicable Filing Date.

FPA_{RP} = FPA Recovery Period rate component calculated to recover under/over collection during the Accumulation Period that ended prior to the applicable Filing Date.

$FPA_{(RP-1)}$ = FPA Recovery Period rate component from prior FPA_{RP} calculation, if any.

$FPA_{(RP-2)}$ = FPA Recovery Period rate component from FPA_{RP} calculation prior to $FPA_{(RP-1)}$, if any.

CF = Fuel costs incurred to support sales to all retail customers and Off-System Sales allocated to Missouri retail electric operations, including transportation, associated with the Company's generating plants. These costs consist of the following:

a) For fossil fuel or hydroelectric plants:

(i) the following costs reflected in Federal Energy Regulatory Commission (FERC) Account Number 501: coal commodity, applicable taxes, gas, alternative fuels, fuel additives, Btu adjustments assessed by coal suppliers, railroad transportation, switching and demurrage charges, railcar repair and inspection costs, railcar depreciation, railcar lease costs, similar costs associated with other applicable modes of transportation, fuel hedging costs (for purposes of factor CF, hedging is defined as realized losses and costs minus realized gains associated with mitigating volatility in the Company's cost of fuel and purchased power, including but not limited to, the Company's use of futures, options and over-the-counter derivatives including, without limitation, futures contracts, puts, calls, caps, floors, collars, and swaps), hedging costs associated with SO2 and fuel oil

* Indicates Addition.

DATE OF ISSUE April 4, 2008DATE EFFECTIVE May 4, 2008

Appendix A

ISSUED BY T. R. Voss
NAME OF OFFICERPresident & CEO
TITLESt. Louis, Missouri
ADDRESS

APPLYING TO

MISSOURI SERVICE AREA* RIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)

adjustments included in commodity and transportation costs, broker commissions and fees associated with price hedges, oil costs, ash disposal revenues and expenses, and revenues and expenses resulting from fuel and transportation portfolio optimization activities; and

(ii) the following costs reflected in FERC Account Number 547: natural gas generation costs related to commodity, oil, transportation, storage, capacity reservation charges, fuel losses, hedging costs, and revenues and expenses resulting from fuel and transportation portfolio optimization activities;

b) Costs in FERC Account Number 518 (Nuclear Fuel Expense).

CPP = Costs of purchased power reflected in FERC Account Numbers 555, 565, and 575, excluding MISO administrative fees arising under MISO Schedules 10, 16, 17, and 24, and excluding capacity charges for contracts with terms in excess of one (1) year, incurred to support sales to all Missouri retail customers and Off-System Sales allocated to Missouri retail electric operations. Also included in factor "CPP" are insurance premiums in FERC Account Number 924 for replacement power insurance (other than relating to the Taum Sauk Plant) to the extent those premiums are not reflected in base rates. Changes in replacement power insurance premiums (other than those relating to the Taum Sauk Plant) from the level reflected in base rates shall increase or decrease purchased power costs. Additionally, costs of purchased power will be reduced by expected replacement power insurance recoveries (other than those relating to the Taum Sauk Plant) qualifying as assets under Generally Accepted Accounting Principles. Notwithstanding the foregoing, concurrently with the date the "TS" factor is eliminated as provided for in this tariff, the premiums and recoveries relating to replacement power insurance coverage for the Taum Sauk Plant shall be included in this CPP Factor.

OSSR = Revenues from Off-System Sales allocated to Missouri electric operations.

Off-System Sales shall include all sales transactions (including MISO revenues in FERC Account Number 447), excluding Missouri retail sales and long-term full and partial requirements sales, that are associated with (1) AmerenUE Missouri jurisdictional generating units, (2) power purchases made to serve Missouri retail load, and (3) any related transmission.

* Indicates Addition.

DATE OF ISSUE April 4, 2008DATE EFFECTIVE May 4, 2008

Appendix A

ISSUED BY T. R. Voss
NAME OF OFFICERPresident & CEO
TITLESt. Louis, Missouri
ADDRESS

APPLYING TO

MISSOURI SERVICE AREA* RIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)

- TS = The Accumulation Period value of Taum Sauk. This factor will be used to reduce actual fuel costs to reflect the value of Taum Sauk, and will be credited in FPA filings (of which there are three each year as shown in the table above), until the next rate case or, if sooner, until Taum Sauk is placed back in service. This value is \$22.7 million annual for each true-up year as determined in the rate proceeding in which this FAC was established, one third of which (i.e., \$7.56 million) will be applied to each Accumulation Period.
- S = The Accumulation Period value of Blackbox Settlement Amount of \$3 million annually, which shall expire on September 1, 2010. One third of the annual value (\$1 million) shall be applied to each Accumulation Period. For the Accumulation Period during which the factor expires, the factor shall be prorated according to the number of days during which it was effective during that Accumulation Period.
- I = Interest applicable to (i) the difference between Actual Net Fuel Costs (adjusted for Taum Sauk and factor "S") and NBFC for all kWh of energy supplied to Missouri retail customers during an Accumulation Period until those costs have been recovered; (ii) refunds due to prudence reviews (a portion of factor R, below); and (iii) all under- or over-recovery balances created through operation of this FAC, as determined in the annual true-up filings provided for herein (a portion of factor R, below). Interest shall be calculated monthly at a rate equal to the weighted average interest rate paid on the Company's short-term debt, applied to the month-end balance of items (i) through (iii) in the preceding sentence.
- R = Under/over recovery (if any) from currently active and prior Recovery Periods as determined for the annual FAC true-up adjustments, and modifications due to adjustments ordered by the Commission (other than the adjustment for Taum Sauk as already reflected in the TS factor), as a result of required prudence reviews or other disallowances and reconciliations, with interest as defined in item I.
- S_{AP} = Supplied kWh during the Accumulation Period that ended prior to the applicable Filing Date, at the generation level.
- S_{RP} = Applicable Recovery Period estimated kWh, at the generation level, subject to the FPA_{RP} to be billed.

* Indicates Addition.

DATE OF ISSUE April 4, 2008DATE EFFECTIVE May 4, 2008

Appendix A

ISSUED BY T. R. Voss
NAME OF OFFICERPresident & CEO
TITLESt. Louis, Missouri
ADDRESS

MO.P.S.C. SCHEDULE NO. 5 Original SHEET NO. 98.5

CANCELLING MO.P.S.C. SCHEDULE NO. _____ SHEET NO. _____

APPLYING TO MISSOURI SERVICE AREA*** RIDER FAC****FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)**

NBFC = Net Base Fuel Costs are the net costs determined by the Commission's order as the normalized test year value (and reflecting an adjustment for Taum Sauk, consistent with the term TS) for the sum of allowable fuel costs (consistent with the term CF), plus cost of purchased power (consistent with the term CPP), less revenues from off-system sales (consistent with the term OSSR), less an adjustment consistent with the term "S", expressed in cents per kWh, at the generation level, as included in the Company's retail rates. The NBFC rate applicable to June through September calendar months ("Summer NBFC Rate") is x.xxx cents per kWh. The NBFC rate applicable to October through May calendar months ("Winter NBFC Rate") is x.xxx cents per kWh.

To determine the FPA rates applicable to the individual Service Classifications, the FPA_c rate determined in accordance with the foregoing will be multiplied by the following voltage level adjustment factors:

Secondary Voltage Service	1.0888
Primary Voltage Service	1.0492
Large Transmission Voltage Service	1.0147

The FPA rates applicable to the individual Service Classifications shall be rounded to the nearest 0.001 cents, to be charged on a cents/kWh basis for each applicable kWh billed.

TRUE-UP OF FAC

After the completion of each true-up year, the Company will make a true-up filing by May 1 of each year (starting by May 1, 2010) with the Commission. Such filings shall be made by May 1 of every subsequent year until all fuel and purchased power costs accumulated during the effective period of the FAC have been recovered and true-up. Any true-up adjustments or refunds shall be reflected in item R above, and shall include interest calculated as provided for in item I above.

The true-up adjustment shall be the difference between the revenues billed and the revenues authorized for collection during the true-up year.

GENERAL RATE CASE/PRUDENCE REVIEWS

The following shall apply to this Fuel and Purchased Power Adjustment Clause, in accordance with Section 386.266.4, RSMo. and applicable Missouri Public Service Commission Rules governing rate adjustment mechanisms established under Section 386.266, RSMo:

The Company shall file a general rate case with the effective date of new rates to be no later than four years after the effective date of a Missouri Public Service Commission order implementing or continuing this Fuel and Purchased Power Adjustment Clause. The four-year period referenced above shall not include any periods in which the Company is prohibited from

DATE OF ISSUE April 4, 2008 DATE EFFECTIVE May 4, 2008

ISSUED BY <u>T. R. Voss</u>	<u>President & CEO</u>	<u>St. Louis, Missouri</u>
NAME OF OFFICER	TITLE	ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 5OriginalSHEET NO. 98.5

CANCELLING MO.P.S.C. SCHEDULE NO. _____

SHEET NO. _____

APPLYING TO _____

MISSOURI SERVICE AREA

collecting any charges under this Fuel and Purchased Power Adjustment Clause, or any period for which charges hereunder must be fully refunded. In the event a court determines that this Fuel and Purchased Power Adjustment Clause is unlawful and all moneys collected hereunder are fully refunded, the Company shall be relieved of the obligation under this Fuel and Purchased Power Adjustment Clause to file such a rate case.

Prudence reviews of the costs subject to this Fuel and Purchased Power Adjustment Clause shall occur no less frequently than every eighteen months, and any such costs which are determined by the Missouri Public Service Commission to have been imprudently incurred shall be returned to customers with interest at a rate equal to the weighted average interest rate paid on the Company's short-term debt.

*Indicates Addition.

DATE OF ISSUE April 4, 2008DATE EFFECTIVE May 4, 2008

Appendix A

ISSUED BY T. R. Voss
NAME OF OFFICERPresident & CEO
TITLESt. Louis, Missouri
ADDRESS

Commission Case - True Up
Commission Case - True Up
Baseline (test)
2008

RealTime

Energy Generated (MWH)
Page: 2

rDate: 11-13-2008
rTime: 14:13:03

Appendix B

Source	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Total	2,858,035	3,055,656	3,524,066	4,054,107	3,948,257	3,198,705	2,991,555	3,084,040	3,670,290	3,888,078	3,465,094	3,133,703	40,871,585
Units	3,502,461	3,905,390	4,219,336	4,411,082	4,333,573	4,020,768	3,400,511	3,525,443	4,329,896	4,323,313	3,937,963	3,816,384	47,726,117
Coal	3,342,535	3,181,328	3,334,632	3,477,071	3,457,169	3,173,012	2,485,649	2,680,726	3,434,812	3,444,016	3,121,458	2,995,125	38,127,532
Nuclear	153,747	723,938	817,183	861,601	861,140	820,822	884,814	838,192	865,025	853,906	813,973	817,994	9,312,333
CT	6,179	124	67,521	72,409	15,264	26,935	30,048	6,525	30,058	25,390	2,533	3,266	286,252
Hydros	127,917	125,755	130,770	123,458	121,380	115,862	126,485	96,597	87,080	79,038	74,334	109,470	1,318,146
Purchases	194,219	172,470	134,454	188,064	193,794	94,862	181,627	171,557	151,077	264,309	228,619	192,369	2,167,420
Sales	-948,882	-1,124,731	-934,996	-640,438	-672,376	-1,008,599	-698,426	-692,355	-880,500	-761,580	-757,497	-965,438	-10,085,818
Storage	-17,679	-23,229	-25,498	-28,059	-28,113	-24,187	-18,642	-17,202	-17,263	-17,002	-18,324	-19,082	-254,279

	Commission Case - True Up Commission Case - True Up Baseline (test) 2008												RealTime
Total Expense (\$1000)													rDate: 11-13-2008
Page: 1													rTime: 14:13:03
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
Source	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Generating Units													
AUDRAIN CT1	0.00	0.00	158.93	163.23	26.40	23.71	28.41	0.19	53.80	20.54	0.00	0.84	476.06
AUDRAIN CT2	0.00	0.28	163.21	159.54	27.15	24.12	28.42	0.00	52.87	20.79	0.00	0.54	476.92
AUDRAIN CT3	0.00	0.28	162.40	157.45	27.02	23.30	30.31	0.00	53.80	21.53	0.00	0.00	476.10
AUDRAIN CT4	0.00	0.28	160.27	156.40	25.63	23.10	30.31	0.00	54.26	22.27	0.00	0.00	472.53
AUDRAIN CT5	0.00	0.28	159.47	155.08	26.48	22.47	30.52	0.00	53.33	20.29	0.00	0.00	467.93
AUDRAIN CT6	0.00	0.28	165.88	161.42	24.19	24.12	27.79	0.00	51.47	22.27	0.00	0.00	477.42
AUDRAIN CT7	0.00	0.28	158.93	165.90	27.33	23.30	29.26	0.00	51.24	22.27	0.00	0.00	478.51
AUDRAIN CT8	0.00	0.28	159.20	158.25	27.33	24.54	28.42	0.00	53.33	18.56	0.00	0.00	469.91
CALLAWAY 1D	965.14	4,550.87	5,130.77	5,409.17	5,406.02	5,153.59	5,553.62	5,261.99	5,430.35	5,362.22	5,109.79	5,136.17	58,469.70
FAIRGROUNDS GT	0.00	0.00	0.00	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.82
GOOSE CREEK CT1	0.00	0.25	160.38	141.34	26.99	24.35	29.88	0.00	55.02	22.10	0.00	0.00	460.32
GOOSE CREEK CT2	0.00	0.25	159.85	152.85	25.29	23.12	31.13	0.00	51.78	21.37	0.00	0.00	465.64
GOOSE CREEK CT3	0.00	0.25	157.20	151.32	26.14	23.94	31.13	0.00	51.32	21.86	0.00	0.00	463.16
GOOSE CREEK CT4	0.00	0.25	154.03	150.20	25.86	23.32	31.34	0.00	53.17	22.10	0.00	0.00	460.27
GOOSE CREEK CT5	0.00	0.25	157.20	146.31	23.60	23.53	30.09	0.00	52.94	22.10	0.00	0.00	456.01
GOOSE CREEK CT6	0.00	0.25	161.44	150.19	25.29	23.12	30.92	0.00	53.86	22.10	0.00	0.00	467.18
HOWARD BEND CT	0.00	0.28	0.00	2.27	1.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.98
KINMUNDY CT 1	0.00	0.00	45.56	113.43	2.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	161.25
KINMUNDY CT 2	0.00	0.00	45.56	113.43	2.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	161.25
KIRKSVILLE CT	0.00	0.09	0.00	0.24	0.26	0.00	0.26	0.19	0.00	0.00	0.00	0.09	1.14
LABADIE 1	5,009.76	4,916.84	5,061.92	5,163.74	5,308.94	4,776.94	0.00	1,982.66	5,316.61	5,097.33	4,831.22	5,073.60	52,539.56
LABADIE 2	5,013.50	4,894.45	5,043.36	5,223.66	5,267.50	4,954.10	5,131.19	4,826.09	5,164.35	5,292.09	4,876.18	4,975.07	60,661.54
LABADIE 3	5,029.32	4,875.68	4,991.51	5,210.41	5,279.34	4,917.60	4,987.56	4,854.10	5,126.81	5,248.65	4,857.12	4,879.55	60,257.65
LABADIE 4	4,831.18	4,757.74	5,030.69	5,197.11	5,127.74	4,946.19	5,038.45	4,814.08	5,100.79	4,852.70	4,893.05	4,981.44	59,571.17
MERAMEC 1	1,270.01	1,151.11	1,274.75	1,326.38	1,317.93	1,211.62	1,218.66	1,270.50	1,339.58	1,337.11	1,281.63	79.30	14,078.57
MERAMEC 2	1,305.44	1,202.35	1,282.45	1,409.37	1,361.18	1,202.93	1,239.01	1,261.46	1,308.02	1,392.52	1,304.54	1,346.31	15,615.61
MERAMEC 3	2,661.82	2,509.17	2,603.31	2,665.90	2,692.41	2,215.47	307.94	2,532.39	2,546.22	2,711.80	2,523.33	2,551.81	28,521.58
MERAMEC 4	3,101.08	2,871.47	2,908.44	3,226.01	3,147.49	2,760.15	2,375.89	1,889.88	3,106.90	3,206.29	3,023.33	3,088.15	34,705.06
MERAMEC CT1	0.00	0.00	0.00	1.47	1.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.94
MERAMEC CT2	0.00	0.18	135.66	158.23	29.01	35.17	49.03	0.19	39.19	17.16	0.23	0.55	464.60
MEXICO CT	0.00	0.00	0.00	0.93	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33
MOBERLY CT	0.00	0.00	0.00	1.43	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91
MOREAU CT	0.00	0.00	0.00	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.82
PENO CREEK CT1	33.06	1.36	212.31	242.29	57.78	98.15	130.24	47.16	122.28	141.45	13.17	11.66	1,110.90
PENO CREEK CT2	33.06	0.53	211.84	241.39	57.41	98.04	130.24	46.17	121.68	140.46	12.29	10.60	1,103.70
PENO CREEK CT3	32.92	0.35	211.77	241.39	56.49	97.93	130.24	45.52	121.63	139.78	11.32	9.36	1,098.70
PENO CREEK CT4	32.77	0.18	211.66	240.67	56.42	97.82	130.24	45.05	121.39	139.64	11.17	7.43	1,094.42
PINCKNEY CT1	97.38	2.28	291.55	278.44	99.36	138.75	166.37	69.91	146.73	201.00	49.77	64.04	1,605.58
PINCKNEY CT2	97.36	2.03	291.42	277.89	98.55	138.75	165.80	68.53	146.57	200.75	48.04	63.80	1,599.49
PINCKNEY CT3	97.24	1.71	291.20	277.37	98.23	138.75	165.49	67.17	146.47	200.15	47.54	62.74	1,594.05
PINCKNEY CT4	97.14	1.05	291.10	276.88	97.67	138.74	165.40	66.37	146.36	199.74	46.14	62.42	1,589.00
PINCKNEY CT5	0.00	0.00	12.88	34.71	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.35
PINCKNEY CT6	0.00	0.00	12.88	34.71	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.35
PINCKNEY CT7	0.00	0.00	12.88	34.71	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.35
PINCKNEY CT8	0.00	0.00	12.88	34.71	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.35
RACCOON CRK CT1	0.00	0.22	160.18	158.26	26.97	22.34	30.38	0.00	54.24	22.16	0.22	0.00	474.98
RACCOON CRK CT2	0.00	0.22	161.61	161.53	26.97	23.98	27.44	0.00	53.54	22.16	0.00	0.00	477.47
RACCOON CRK CT3	0.00	0.22	159.22	163.04	23.57	24.39	30.38	0.00	53.31	20.93	0.00	0.00	475.07
RACCOON CRK CT4	0.00	0.22	160.55	157.54	25.28	23.98	29.54	0.00	54.47	20.69	0.00	0.00	472.27
RUSH ISLAND 1F	5,473.26	5,021.42	5,709.88	5,864.05	5,536.36	5,452.58	5,323.80	5,494.71	5,935.51	5,387.01	2,881.71	786.08	58,866.36
RUSH ISLAND 2F	5,988.77	5,507.07	6,057.49	6,248.38	6,250.12	5,481.54	5,525.70	6,049.38	6,185.10	6,139.18	5,916.65	5,965.92	71,315.29
SIOUX 1L-34	4,965.16	4,859.34	4,850.17	5,000.97	5,032.10	4,541.35	803.02	1.34	4,950.85	5,319.87	4,794.91	5,095.54	50,214.62
SIOUX 2L-34	5,194.21	5,011.19	4,888.02	5,268.41	5,182.19	4,754.28	5,055.66	4,850.57	5,112.69	5,363.99	5,053.92	5,298.38	61,033.50
VENICE CT2	11.10	0.22	207.43	214.55	59.33	71.97	84.32	24.45	72.01	97.03	1.11	4.24	847.76
VENICE CT3	30.72	0.00	618.74	618.95	200.95	262.84	207.30	14.56	230.82	201.32	17.30	22.65	2,426.14
VENICE CT4	30.72	0.00	617.16	611.31	192.74	262.02	207.30	1.18	227.23	199.04	5.85	14.98	2,369.54
VENICE CT5	0.00	0.00	45.88	114.24	2.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	162.41
VIADUCT CT1	0.00	0.34	0.00	0.46	0.50	0.00	0.25	0.12	0.00	0.00	0.00	0.00	1.68
Pumped Storage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hydro Units													
KEOKUK	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OSAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Purchases													
APL-FIXPURCH	0.00	0.00	1,851.49	1,851.49	2,027.83	1,675.16	2,027.83	1,851.49	1,763.33	0.00	0.00	0.00	13,048.62
APL-ECONPURCH	1,847.81	1,774.08	584.10	717.41	716.35	474.14	435.97	346.82	788.70	1,909.40	1,786.21	1,847.81	13,228.81
PURCHASE-E	4,382.60	1,840.39	3,948.31	7,577.54	7,819.94	1,296.01	3,961.00	3,826.89	3,152.81	7,624.65	6,827.71	4,510.37	56,768.22
Sales													
APL-FIXSALE	-6,596.25	-5,102.43	-3,719.84	-3,794.47	-3,906.31	-2,576.51	-3,063.35	-2,713.09	-2,713.66	-6,143.83	-6,232.32	-6,697.12	-53,259.17
SALES-F	-20,291.16	-19,738.49	-13,470.07	-5,418.17	-4,700.00	-7,153.93	-13,941.65	-14,096.52	-15,111.06	-14,866.42	-14,478.22	-19,365.17	-162,630.86
SALES-E	-20,659.71	-24,901.60	-27,882.58	-18,047.73	-18,484.55	-27,541.06	-14,074.40	-11,917.66	-20,938.04	-13,430.69	-15,211.80	-22,768.21	-235,858.04
Source	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

Appendix B

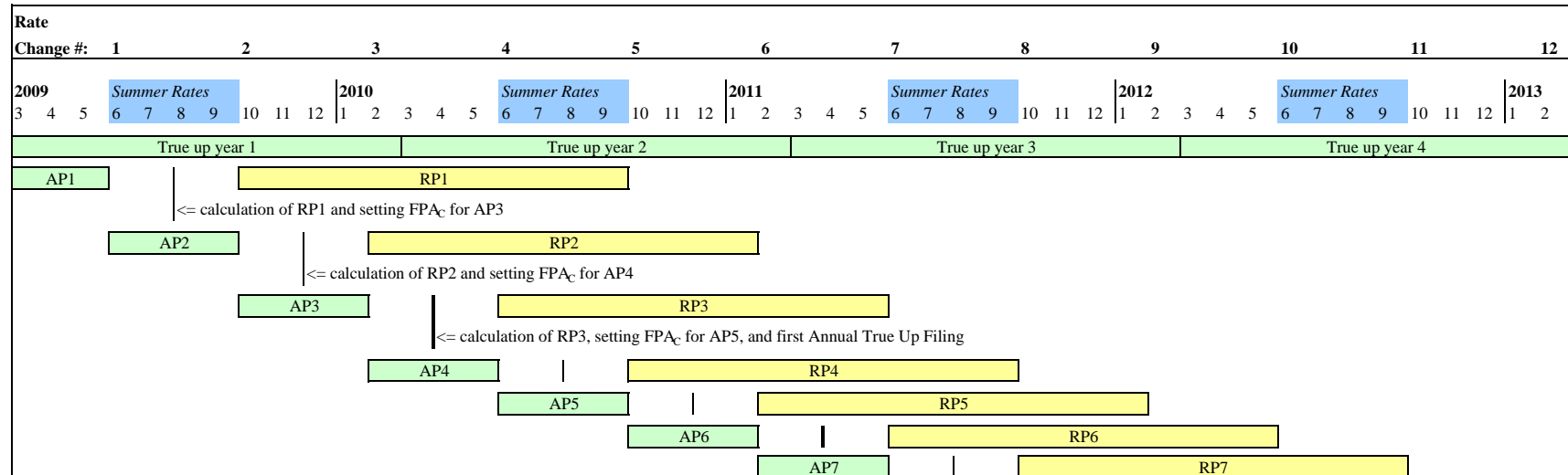
Commission Case - True Up
Commission Case - True Up
Baseline (test)
2008

RealTime
rDate: 11-13-2008
rTime: 14:13:03

Appendix B

Source	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Total	10,085.41	6,015.59	22,804.49	47,078.43	41,972.21	20,545.80	20,174.04	22,883.85	26,165.96	34,067.53	24,303.09	7,120.92	283,217.33
Units	51,402.12	52,143.63	61,493.08	64,192.36	58,498.96	54,371.99	44,828.65	45,585.91	59,223.89	58,974.41	51,611.52	49,593.23	651,919.74
Coal	49,843.52	47,577.82	49,701.97	51,804.39	51,503.30	47,214.77	37,006.88	39,827.17	51,193.42	51,348.53	46,237.60	44,121.14	567,380.51
Nuclear	965.14	4,550.87	5,130.77	5,409.17	5,406.02	5,153.59	5,553.62	5,261.99	5,430.35	5,362.22	5,109.79	5,136.17	58,469.70
CT	593.45	14.94	6,660.33	6,978.80	1,589.63	2,003.63	2,268.15	496.76	2,600.11	2,263.65	264.13	335.93	26,069.54
Purchases	6,230.41	3,614.47	6,383.90	10,146.44	10,564.12	3,445.32	6,424.80	6,025.20	5,704.84	9,534.06	8,613.92	6,358.18	83,045.65
Sales	-47,547.11	-49,742.51	-45,072.49	-27,260.37	-27,090.87	-37,271.51	-31,079.40	-28,727.26	-38,762.76	-34,440.94	-35,922.35	-48,830.49	-451,748.07

Illustration of AmerenUE's Proposed FAC with Seasonal NBFC and Rate Changes



MO.P.S.C. SCHEDULE NO. 5OriginalSHEET NO. 98.6

CANCELLING MO.P.S.C. SCHEDULE NO. _____

SHEET NO. _____

APPLYING TO _____

MISSOURI SERVICE AREA* RIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)Calculation of Current FPA_C Rate:

Accumulation Period Ending:		mm/dd/yy
1. Total Energy Cost (CF+CPP-OSSR-TS-S)		\$0
2. Base Energy Cost	-	
2.1 NBFC (\$/kWh)	x	\$0.0000
2.2 Accumulation Period Sales kWh (S _{AP})		0
3. First Subtotal (1.-2.)		\$0
4. Customer Responsibility	x	TBD%
5. Second Subtotal		\$0
6. Adjustment for Under / Over recovery for Prior Periods Plus Interest (I + R)	±	\$0
7. Third Subtotal		\$0
8. Estimated Recovery Period Sales kWh (S _{RP})	÷	0
9. FPA _{RP}		\$0.0000
10. FPA _{RP-1}	+	\$0.0000
11. FPA _{RP-2}	+	\$0.0000
12. FPA _C (without Voltage Level Adjustment)		\$0.0000
13. Voltage Level Adjustment Factor		
13.1 Secondary	x	1.0888
13.2 Primary	x	1.0492
13.3 Large Transmission	x	1.0147
14. FPA _C (with voltage level adjustment)		
14.1 Secondary		\$0.0000
14.2 Primary		\$0.0000
14.3 Large Transmission		\$0.0000

* Indicates Addition.

DATE OF ISSUE _____

DATE EFFECTIVE _____

Appendix D

ISSUED BY T. R. Voss
NAME OF OFFICERPresident & CEO
TITLESt. Louis, Missouri
ADDRESS

**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)	Case No. ER-2008-0318
Service Provided to Customers in the)	
Company's Missouri Service Area.)	

**STIPULATION AND AGREEMENT
AS TO OFF-SYSTEM SALES RELATED ISSUES**

COME NOW Union Electric Company d/b/a AmerenUE ("AmerenUE" or the "Company"), the Staff of the Missouri Public Service Commission, The Office of the Public Counsel, the Missouri Industrial Energy Consumers, the Missouri Energy Group, and Noranda Aluminum, Inc., and respectfully state to the Missouri Public Service Commission ("Commission") that, as a result of negotiations, the undersigned parties ("Parties") have reached the stipulations and agreements contained herein in order to settle the issues specified below.

1. **Issues Settled.** This Stipulation and Agreement is intended to settle the following issues previously identified by some or all of the Parties through testimony and/or schedules: This Stipulation and Agreement settles all off-system sales issues, including:

- a. Off-system sales revenues and margins from energy;
- b. Natural gas and purchased power/market energy prices used to determine purchased power and off-system sales;
- c. Prior period Taum Sauk capacity sales;
- d. Non-Taum Sauk capacity sales;

- e. Current period Taum Sauk capacity sales;
- f. Ancillary Services revenues; and
- g. Non-asset based (speculative) trading margins.

This Stipulation and Agreement also settles all fuel-cost issues except the Revenue Sufficiency Guarantee (RSG) resettlement issue and the Fuel Adjustment Clause issues. In general terms (more specificity and precision is in Paragraph 2 herein), the Signatories have agreed for settlement purposes to calculate net fuel costs starting with Staff's modeled total fuel and purchased power costs. Added to this amount are: 1) fixed gas supply costs; 2) MISO Day 2 costs; and 3) an amount to reflect underforecasting error. Subtracted from the sum of these amounts are: 1) Westinghouse credits; 2) capacity revenues (including current period Taum Sauk capacity revenues); 3) ancillary service revenues; 4) MISO Day 2 revenues; and 3) a "black box" settlement amount. These same calculations apply if a fuel adjustment clause is authorized and implemented. The calculation described above results in the "Net Base Fuel Costs" which would be used to calculate periodic adjustments along with a "TS factor" and an "S Factor" if a fuel adjustment clause is implemented. If a fuel adjustment clause is implemented, the "TS factor adjustment is intended to offset a portion of actual fuel costs until the re-constructed Taum Sauk plant returns to service and the "S factor" is intended to offset a portion of actual fuel costs by \$3 million per year for a period of 18 months.

2. **Specific Agreements.** In settlement of the above issues, the following specific agreements have been reached among the signatories:

A. If no FAC:

- a. Staff's true-up production cost modeling runs (attached as **Appendix A**), consisting of three runs, one with off-system sales and one without off-system sales including Taum Sauk, and one with off-system sales without Taum Sauk, shall be used to establish the modeled portion of net fuel costs.
- b. Net Fuel Costs for purposes of establishing initial rates shall be established as follows:
 - i. Staff's Modeled Net Fuel Costs of \$283.3 million (with Taum Sauk), consisting of:
 - 1. Staff's modeled total fuel and purchased power costs [\$735.0 million], less modeled revenues from off-system sales of energy [\$451.7 million] (including Taum Sauk current period energy-related benefits of \$17.8 million)
 - 2. plus:
 - a. Fixed Gas Supply Costs [\$8.1 million]¹
 - b. MISO Day 2 Costs [\$57.9 million]
 - c. Under-forecasting Error [\$3.8 million]
 - 3. minus:
 - a. Westinghouse Credits [\$1.8 million]
 - b. Current period capacity Revenues [\$11.3 million] (including Taum Sauk capacity revenues of \$4.9 million)
 - c. Ancillary Services Revenues [\$3.5 million]
 - d. MISO Day 2 Revenues [\$12.3 million] (includes the RSG Margin of \$5.2 million)
 - e. Black Box Settlement Amount [\$3 million]

B. If FAC implemented:

- a. Staff's true-up production cost modeling runs (attached as **Appendix A**), consisting of three runs, one with off-system sales and one without off-system sales including Taum Sauk, and one with off-system sales without Taum Sauk, shall be used to establish the modeled portion of net fuel costs.
- b. Net Fuel Costs for purposes of establishing initial rates shall be as described above in subsection A.b.

¹ All non-modeled figures use the Company's actual true-up data through September 30, 2008, which was provided to the parties to this case on November 7, 2008.

- c. Cost and revenues used to calculate Net Fuel Costs above shall be directly assigned, if possible, or allocated to calendar months to be used to determine the Net Base Fuel Costs in the FAC tariff.
- d. The following provisions shall apply to the calculation of periodic adjustment rate calculations (AmerenUE's proposed method for making this FPA calculation appears at the top of its proposed tariff sheet No. 98.2 on Schedule MJL-E1-2 attached to the direct testimony of AmerenUE witness Martin J. Lyons, Jr.).
 - i. "TS" as defined in AmerenUE's proposed FAC tariff shall equal an annual value of \$22.7 million (i.e., if there are three accumulation periods one-third of this value shall be used in the $FPA_{(rp)}$ formula).
 - ii. An additional factor, called factor "S," shall be included in the $FPA_{(rp)}$ formula as follows:

$$FPA_{(RP)} = \frac{[(CF + CPP - OSSR - TS - S) - (NBFC * S_{AP})] * \text{percentage sharing split} + I + R}{S_{RP}}$$

The FAC tariff shall set the value of factor "S" at an annual value of \$3 million (i.e., if there are three accumulation periods one-third of this value shall be used in the $FPA_{(rp)}$ formula), and shall provide that factor "S" shall expire on September 1, 2010; except that if the "S" factor expires during an accumulation period, the factor shall be prorated according to the number of days during which it was effective during that accumulation period.

C. Items agreed upon that are not dependant on whether a fuel adjustment clause is approved by the Commission and implemented by AmerenUE

- a. The \$57.9 million of MISO Day 2 Costs listed above do not reflect the \$6.2 million proposed by the Company relating to the RSG resettlement issue identified in testimony filed in this case. This RSG resettlement issue is not settled by this Stipulation and Agreement. If the Commission rules in the Company's favor on the RSG resettlement issue, the \$57.9 million of MISO Day 2 Costs shall be increased to \$64.1 million in calculating Net Fuel Costs in this case.
- b. Jurisdictional factor - All of the above-cited figures are total AmerenUE numbers to which the Missouri retail jurisdictional allocation factors of 98.46% shall be applied to the variable

components² of net fuel costs and 98.4% to the fixed components³ of net fuel costs, as reflected in Staff's runs.⁴

3. **Testimony Received Into Evidence.** Unless called by the Commission or the Regulatory Law Judge to respond to questions of the Commissioners or the Regulatory Law Judge respecting this Stipulation and Agreement, in the event the Commission accepts the specific terms of this Stipulation and Agreement the portions of the testimony of the following witnesses concerning matters not at issue between the Parties, including the Issues Settled as set out in paragraph 1, supra, shall be received into evidence without the necessity of these witnesses taking the stand:

Shawn E. Schukar⁵

Timothy D. Finnell

Scott A. Glaeser

John P. Cassidy

Michael Rahrer

Erin L. Maloney

Ryan Kind

James R. Dauphinais

Billie Sue LaConte

Stephen M. Rackers

² Fuel for load, purchases for load, MISO DAY 2 costs, underforecasting error, and TS energy.

³ Fuel for interchange, Westinghouse credits, capacity purchases, purchases for interchange, capacity revenues, ancillary services revenues, MISO DAY 2 revenues, TS capacity, and S.

⁴ Fuel and purchased power cost of \$735.0 million plus fix gas supply cost of \$8.1 million, totaling \$743.1 million, is allocated \$550.4 million to variable cost and \$192.7 million to fixed cost.

⁵ Mr. Schukar's proposed Supplemental Testimony for which the Company sought leave to file on November 28, 2008 shall not be received into evidence.

Because some of the offers of admissions from the depositions of Ryan Kind and Jim Dauphinais pertain to the issues settled herein, AmerenUE agrees to withdraw its original offers of admissions with respect to those two witnesses. Those portions of the depositions designated in the original offers shall not be made part of the record. AmerenUE reserves the right to re-file a list of designated portions of these depositions that it considers admissions with respect to Fuel Adjustment Clause issues. The Signatories agree not to object to the timeliness of the filing of such designations, but do not waive any other arguments with respect thereto.

4. This Stipulation and Agreement is being entered into for the purpose of disposing of the issues that are specifically addressed in this Stipulation and Agreement. In presenting this Stipulation and Agreement, none of the Parties to this Stipulation and Agreement shall be deemed to have approved, accepted, agreed, consented or acquiesced to any ratemaking principle or procedural principle, including, without limitation, any method of cost or revenue determination or cost allocation or revenue related methodology, and none of the Parties shall be prejudiced or bound in any manner by the terms of this Stipulation and Agreement (whether this Stipulation and Agreement is approved or not) in this or any other proceeding, other than a proceeding limited to enforce the terms of this Stipulation and Agreement, except as otherwise expressly specified herein.

5. This Stipulation and Agreement has resulted from extensive negotiations and the terms hereof are interdependent. If the Commission does

not approve this Stipulation and Agreement without modification, then the Stipulation and Agreement shall be void and no Party shall be bound by any of the agreements or provisions herein, except as specifically provided herein.

6. If the Commission does not unconditionally approve this Stipulation and Agreement without modification, and notwithstanding its provision that it shall become void, neither this Stipulation and Agreement, nor any matters associated with its consideration by the Commission, shall be considered or argued to be a waiver of the rights that any Party has for a decision in accordance with Section 536.080 RSMo 2000 or Article V, Section 18 of the Missouri Constitution, and the Parties shall retain all procedural and due process rights as fully as though this Stipulation and Agreement had not been presented for approval, and any suggestions or memoranda, testimony or exhibits that have been offered or received in support of this Stipulation and Agreement shall become privileged as reflecting the substantive content of settlement discussions and shall be stricken from and not be considered as part of the administrative or evidentiary record before the Commission for any further purpose whatsoever.

7. If the Commission unconditionally accepts the specific terms of this Stipulation and Agreement without modification, the Parties waive, with respect to the issues resolved herein: their respective rights (1) to call, examine and cross-examine witnesses pursuant to Section 536.070(2), RSMo 2000; (2) their respective rights to present oral argument and/or written briefs pursuant to Section 536.080.1, RSMo 2000; (3) their respective rights to seek rehearing pursuant to Section 386.500, RSMo 2000 and (4) their respective rights to

judicial review pursuant to Section 386.510, RSMo 2000. These waivers apply only to a Commission order respecting this Stipulation and Agreement issued in this above-captioned proceeding, and do not apply to any matters raised in any prior or subsequent Commission proceeding, or any matters not explicitly addressed by this Stipulation and Agreement. This Stipulation and Agreement contains the entire agreement of the Parties concerning the issues addressed herein.

8. If the Commission has questions for the Parties' witnesses or Parties, the Parties will make available, at any on-the-record session, their witnesses and attorneys on the issues resolved by this Stipulation and Agreement, so long as all Parties have had adequate notice of that session. The Parties agree to cooperate in presenting this Stipulation and Agreement to the Commission for approval, and will take no action, direct or indirect, in opposition to the request for approval of this Stipulation and Agreement.

WHEREFORE, the undersigned Parties respectfully request the Commission to issue an order in this case approving the Stipulation and Agreement subject to the specific terms and conditions contained therein.

Respectfully submitted,

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**Attorney for The Missouri Industrial
Energy Consumers**

Resource	Cap Fact	Generation	Total Cost	\$/MWH	Heat Rate	--Starts-- Cold Hot	-Hours Out- Full Part	Fuel	Quantity	Fuel Cost
U:AUDRAIN CT1	0.007	4,838	481.31	99.49	11757	20 0	445 0	P:GAS	59,048	481.3
U:AUDRAIN CT2	0.007	4,822	479.85	99.52	11757	20 0	450 0	P:GAS	58,867	479.8
U:AUDRAIN CT3	0.007	4,818	478.83	99.39	11756	20 0	427 0	P:GAS	58,804	478.8
U:AUDRAIN CT4	0.007	4,775	474.43	99.36	11756	20 0	427 0	P:GAS	58,286	474.4
U:AUDRAIN CT5	0.007	4,720	468.99	99.37	11755	19 0	419 0	P:GAS	57,602	469.0
U:AUDRAIN CT6	0.007	4,809	478.47	99.49	11755	20 0	441 0	P:GAS	58,692	478.5
U:AUDRAIN CT7	0.007	4,820	479.57	99.49	11754	20 0	436 0	P:GAS	58,817	479.6
U:AUDRAIN CT8	0.007	4,735	470.96	99.46	11757	20 0	431 0	P:GAS	57,819	471.0
U:CALLAWAY 1D	0.858	9,312,324	58,469.64	6.28	9941	6 0	1076 27	P:NUCLEAR	92,573,740	58,469.6
U:FAIRGROUNDS GT	0.000	9	2.82	299.96	11432	0 0	511 0	P:OIL MO	150	2.8
U:GOOSE CREEK CT1	0.007	4,630	460.57	99.48	11777	20 0	444 0	P:GAS	56,684	460.6
U:GOOSE CREEK CT2	0.007	4,681	465.89	99.54	11774	20 0	449 0	P:GAS	57,270	465.9
U:GOOSE CREEK CT3	0.007	4,658	463.40	99.48	11774	20 0	433 0	P:GAS	56,996	463.4
U:GOOSE CREEK CT4	0.007	4,630	460.52	99.47	11776	20 0	442 0	P:GAS	56,679	460.5
U:GOOSE CREEK CT5	0.007	4,590	456.26	99.41	11774	19 0	429 0	P:GAS	56,157	456.3
U:GOOSE CREEK CT6	0.007	4,698	467.43	99.49	11774	20 0	414 0	P:GAS	57,481	467.4
U:HOWARD BEND CT	0.000	13	4.54	340.75	14303	1 0	529 0	P:OIL MO	242	4.5
U:KINMUNDY CT 1	0.002	1,533	161.25	105.16	12034	3 0	0 0	P:GAS	18,971	161.2
U:KINMUNDY CT 2	0.002	1,533	161.25	105.16	12034	3 0	0 0	P:GAS	18,971	161.2
U:KIRKSVILLE CT	0.000	6	1.13	175.26	22270	0 0	534 0	P:GAS	144	1.1
U:LABADIE 1	0.766	4,085,733	52,511.23	12.85	9941	5 0	1739 113	I:OIL MO I:LAB COAL P:LAB COAL Total	13,536 13,536 40,615,880	253.7 17.4 52,240.1 52,511.2
U:LABADIE 2	0.895	4,687,754	60,621.12	12.93	9980	9 0	536 177	I:OIL MO I:LAB COAL P:LAB COAL Total	22,347 22,347 46,784,000	418.8 28.7 60,173.6 60,621.1
U:LABADIE 3	0.874	4,709,464	60,223.27	12.79	9839	13 0	685 183	I:OIL MO I:LAB COAL P:LAB COAL Total	31,091 31,091 46,338,480	582.6 40.0 59,600.6 60,223.2
U:LABADIE 4	0.863	4,650,543	59,528.25	12.80	9888	8 0	889 161	I:OIL MO I:LAB COAL P:LAB COAL Total	19,270 19,270 45,982,250	361.1 24.8 59,142.3 59,528.2
U:MERAMEC 1	0.793	874,206	14,075.23	16.10	10970	7 0	1074 349	C:GAS I:GAS I:MER 12 COA P:MER 12 COA Total	61,402 2,130 2,191 9,528,320	495.6 17.7 3.1 13,558.8 14,075.2
U:MERAMEC 2	0.872	970,142	15,614.35	16.09	10964	6 0	410 120	C:GAS I:GAS I:MER 12 COA P:MER 12 COA Total	68,100 1,966 2,022 10,568,540	556.3 16.1 2.9 15,039.0 15,614.4
U:MERAMEC 3	0.761	1,772,882	28,519.73	16.09	10931	10 0	1515 263	C:GAS I:GAS I:MER 34 COA P:MER 34 COA Total	124,158 9,244 10,466 19,255,780	1,028.8 75.0 14.9 27,401.0 28,519.7
U:MERAMEC 4	0.717	2,277,084	34,704.74	15.24	10368	11 0	1425 366	C:GAS I:GAS I:MER 34 COA P:MER 34 COA Total	151,212 7,980 9,558 23,458,100	1,245.7 64.5 13.6 33,380.9 34,704.7
U:MERAMEC CT1	0.000	11	2.94	267.19	10676	0 0	528 0	P:OIL MO	157	2.9
U:MERAMEC CT2	0.009	4,330	466.95	107.85	11943	28 0	0 0	I:OIL MO P:GAS Total	2,710 51,711	50.8 416.2 467.0
U:MEXICO CT	0.000	8	2.33	297.78	11316	0 0	511 0	P:OIL MO	124	2.3
U:MOBERLY CT	0.000	6	1.91	304.33	11665	0 0	508 0	P:OIL MO	102	1.9
U:MOREAU CT	0.000	9	2.82	299.96	11432	0 0	521 0	P:OIL MO	150	2.8
U:PENO CREEK CT1	0.030	12,550	1,121.30	89.34	10693	92 0	0 0	P:GAS	143,101	1,121.3
U:PENO CREEK CT2	0.030	12,472	1,114.14	89.33	10692	92 0	0 0	P:GAS	142,223	1,114.1
U:PENO CREEK CT3	0.030	12,420	1,109.36	89.32	10692	91 0	0 0	P:GAS	141,657	1,109.4
U:PENO CREEK CT4	0.030	12,349	1,102.62	89.29	10690	91 0	0 0	P:GAS	140,865	1,102.6
U:PINCKNEY CT1	0.058	19,161	1,613.46	84.21	10483	183 0	0 0	P:GAS	203,785	1,613.5
U:PINCKNEY CT2	0.058	19,082	1,606.72	84.20	10482	183 0	0 0	P:GAS	202,950	1,606.7
U:PINCKNEY CT3	0.058	19,010	1,600.38	84.19	10482	182 0	0 0	P:GAS	202,172	1,600.4
U:PINCKNEY CT4	0.058	18,954	1,595.56	84.18	10481	182 0	0 0	P:GAS	201,567	1,595.6
U:PINCKNEY CT5	0.001	437	48.35	110.72	12680	3 0	0 0	P:GAS	5,689	48.4
U:PINCKNEY CT6	0.001	437	48.35	110.72	12680	3 0	0 0	P:GAS	5,689	48.4
U:PINCKNEY CT7	0.001	437	48.35	110.72	12680	3 0	0 0	P:GAS	5,689	48.4
U:PINCKNEY CT8	0.001	437	48.35	110.72	12680	3 0	0 0	P:GAS	5,689	48.4
U:RACCOON CRK CT1	0.007	4,759	475.49	99.91	11811	20 0	435 0	P:GAS	58,384	475.5
U:RACCOON CRK CT2	0.007	4,790	478.88	99.97	11808	20 0	419 0	P:GAS	58,740	478.9
U:RACCOON CRK CT3	0.007	4,768	475.71	99.78	11810	20 0	412 0	P:GAS	58,486	475.7
U:RACCOON CRK CT4	0.007	4,739	472.99	99.81	11809	20 0	418 0	P:GAS	58,129	473.0
U:RUSH ISLAND 1F	0.662	3,477,455	58,853.24	16.92	10089	8 0	2229 92	I:OIL MO I:RUS COAL P:RUS COAL Total	26,230 26,230 35,082,770	491.6 43.6 58,318.1 58,853.2

Resource	Cap Fact	Generation	Total Cost	\$/MWH	Heat Rate	--Starts-- Cold Hot	-Hours Out- Full Part	Fuel	Quantity	Fuel Cost
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
U:RUSH ISLAND 2F	0.811	4,231,963	71,307.04	16.85	10086	5 0	852 26	I:OIL MO I:RUS COAL P:RUS COAL Total	17,240 17,240 42,685,040	323.1 28.7 70,955.3 71,307.0
U:SIOUX 1L-34	0.714	2,862,101	50,212.16	17.54	9857	12 0	1864 82	I:OIL MO I:SI 80-20 P:SI 80-20 P:SI 60-40 Total	6,782 45,384 26,917,910 1,295,045	127.1 80.4 47,709.3 2,295.3 50,212.2
U:SIOUX 2L-34	0.876	3,513,797	61,029.50	17.37	9761	13 0	298 34	I:OIL MO I:SI 80-20 P:SI 80-20 P:SI 60-40 Total	7,895 52,839 32,857,770 1,439,174	148.0 93.7 58,237.1 2,550.8 61,029.5
U:VENICE CT2	0.020	9,154	856.79	93.60	10478	52 0	0 0	I:OIL MO P:GAS Total	5,021 95,912	94.1 762.7 856.8
U:VENICE CT3	0.018	28,782	2,460.52	85.49	10405	41 0	0 0	P:GAS	308,382	2,460.5
U:VENICE CT4	0.018	28,036	2,396.31	85.47	10405	40 0	0 0	P:GAS	300,506	2,396.3
U:VENICE CT5	0.002	1,533	162.41	105.91	12123	3 0	0 0	P:GAS	19,107	162.4
U:VIADUCT CT1	0.000	8	1.68	207.82	18713	0 0	523 0	P:GAS	201	1.7
H:KEOKUK		887,165	0.00	0.00						
H:OSAGE		430,981	0.00	0.00						
B:APL-FIXPURCH		378,880	13,048.62	34.44			0			
B:APL-ECONPURCH		687,498	13,195.65	19.19			0			
B:PURCHASE-E		1,106,186	65,028.80	58.79			0			
S:APL-FIXSALE		-968,960	-53,259.18	54.97			0			
S:SALES-F		-3,564,704	-162,631.20	45.62			0			
S:SALES-E		-5,798,906	-226,282.00	39.02			0			
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Total		40,871,583	301,002.30	7.36		1748 0	26523 1992			651,901.5

Resource	Cap Fact	Generation	Total Cost	\$/MWH	Heat Rate	--Starts-- Cold Hot	-Hours Out- Full Part	Fuel	Quantity	Fuel Cost
U:AUDRAIN CT1	0.001	832	85.53	102.81	11827	3 0	445 0	P:GAS	10,191	85.5
U:AUDRAIN CT2	0.001	759	77.88	102.56	11808	3 0	450 0	P:GAS	9,274	77.9
U:AUDRAIN CT3	0.001	688	70.51	102.52	11800	2 0	427 0	P:GAS	8,383	70.5
U:AUDRAIN CT4	0.001	560	57.30	102.42	11786	2 0	427 0	P:GAS	6,803	57.3
U:AUDRAIN CT5	0.001	454	46.65	102.86	11822	2 0	419 0	P:GAS	5,553	46.7
U:AUDRAIN CT6	0.001	443	45.73	103.12	11832	2 0	441 0	P:GAS	5,434	45.7
U:AUDRAIN CT7	0.001	375	38.86	103.59	11830	1 0	436 0	P:GAS	4,599	38.9
U:AUDRAIN CT8	0.000	304	31.32	103.19	11848	1 0	431 0	P:GAS	3,725	31.3
U:CALLAWAY 1D	0.857	9,305,572	58,420.55	6.28	9940	6 0	1076 27	P:NUCLEAR	92,496,100	58,420.6
U:FAIRGROUNDS GT	0.000	0	0.00	0.00	0	0 0	511 0	P:OIL MO	0	0.0
U:GOOSE CREEK CT1	0.000	154	15.95	103.93	11877	1 0	444 0	P:GAS	1,882	16.0
U:GOOSE CREEK CT2	0.000	114	11.78	102.98	11806	0 0	449 0	P:GAS	1,391	11.8
U:GOOSE CREEK CT3	0.000	103	10.67	103.52	11854	0 0	433 0	P:GAS	1,258	10.7
U:GOOSE CREEK CT4	0.000	63	6.65	105.62	12035	0 0	442 0	P:GAS	783	6.6
U:GOOSE CREEK CT5	0.000	64	6.58	103.51	11854	0 0	429 0	P:GAS	776	6.6
U:GOOSE CREEK CT6	0.000	53	5.48	104.29	11956	0 0	414 0	P:GAS	646	5.5
U:HOWARD BEND CT	0.000	0	0.00	0.00	0	0 0	529 0	P:OIL MO	0	0.0
U:KINMUNDY CT 1	0.000	6	0.71	113.79	12595	0 0	0 0	P:GAS	84	0.7
U:KINMUNDY CT 2	0.000	0	0.00	0.00	0	0 0	0 0	P:GAS	0	0.0
U:KIRKSVILLE CT	0.000	0	0.00	0.00	0	0 0	534 0	P:GAS	0	0.0
U:LABADIE 1	0.645	3,442,289	44,174.27	12.83	9916	5 0	1739 113	I:OIL MO I:LAB COAL P:LAB COAL Total	13,536 13,536 34,134,050	253.7 17.4 43,903.2 44,174.3
U:LABADIE 2	0.757	3,964,883	51,238.38	12.92	9960	9 0	536 177	I:OIL MO I:LAB COAL P:LAB COAL Total	22,347 22,347 39,489,110	418.8 28.7 50,790.9 51,238.4
U:LABADIE 3	0.765	4,122,554	52,759.48	12.80	9833	13 0	685 183	I:OIL MO I:LAB COAL P:LAB COAL Total	31,091 31,091 40,535,560	582.6 40.0 52,136.8 52,759.5
U:LABADIE 4	0.747	4,023,443	51,502.38	12.80	9878	8 0	889 161	I:OIL MO I:LAB COAL P:LAB COAL Total	19,270 19,270 39,742,260	361.1 24.8 51,116.5 51,502.4
U:MERAMEC 1	0.457	503,806	8,600.06	17.07	11618	7 0	1074 349	C:GAS I:GAS I:MER 12 COA P:MER 12 COA Total	37,488 2,130 2,191 5,815,669	303.5 17.7 3.1 8,275.7 8,600.1
U:MERAMEC 2	0.484	538,357	9,217.52	17.12	11653	6 0	410 120	C:GAS I:GAS I:MER 12 COA P:MER 12 COA Total	40,175 1,966 2,022 6,233,226	328.6 16.1 2.9 8,869.9 9,217.5
U:MERAMEC 3	0.536	1,248,428	20,292.74	16.25	11031	10 0	1515 263	C:GAS I:GAS I:MER 34 COA P:MER 34 COA Total	88,264 9,244 10,466 13,683,280	731.5 75.0 14.9 19,471.3 20,292.8
U:MERAMEC 4	0.475	1,509,006	23,234.21	15.40	10462	11 0	1425 366	C:GAS I:GAS I:MER 34 COA P:MER 34 COA Total	101,152 7,980 9,558 15,686,300	834.5 64.5 13.6 22,321.6 23,234.2
U:MERAMEC CT1	0.000	0	0.00	0.00	0	0 0	528 0	P:OIL MO	0	0.0
U:MERAMEC CT2	0.001	525	63.69	121.23	12360	5 0	0 0	I:OIL MO P:GAS Total	511 6,494	9.6 54.1 63.7
U:MEXICO CT	0.000	0	0.00	0.00	0	0 0	511 0	P:OIL MO	0	0.0
U:MOBERLY CT	0.000	0	0.00	0.00	0	0 0	508 0	P:OIL MO	0	0.0
U:MOREAU CT	0.000	0	0.00	0.00	0	0 0	521 0	P:OIL MO	0	0.0
U:PENO CREEK CT1	0.007	3,094	290.89	94.02	10709	22 0	0 0	P:GAS	35,228	290.9
U:PENO CREEK CT2	0.007	2,888	271.98	94.18	10710	20 0	0 0	P:GAS	32,870	272.0
U:PENO CREEK CT3	0.006	2,658	251.40	94.57	10715	19 0	0 0	P:GAS	30,321	251.4
U:PENO CREEK CT4	0.006	2,469	234.48	94.98	10728	18 0	0 0	P:GAS	28,243	234.5
U:PINCKNEY CT1	0.016	5,116	452.19	88.39	10551	48 0	0 0	P:GAS	54,751	452.2
U:PINCKNEY CT2	0.015	4,848	428.51	88.38	10545	45 0	0 0	P:GAS	51,851	428.5
U:PINCKNEY CT3	0.014	4,596	406.23	88.39	10539	42 0	0 0	P:GAS	49,114	406.2
U:PINCKNEY CT4	0.013	4,361	385.66	88.43	10537	40 0	0 0	P:GAS	46,595	385.7
U:PINCKNEY CT5	0.000	7	0.81	113.30	12972	0 0	0 0	P:GAS	96	0.8
U:PINCKNEY CT6	0.000	7	0.77	116.13	13275	0 0	0 0	P:GAS	91	0.8
U:PINCKNEY CT7	0.000	5	0.55	115.56	13026	0 0	0 0	P:GAS	65	0.5
U:PINCKNEY CT8	0.000	5	0.54	115.84	13054	0 0	0 0	P:GAS	64	0.5
U:RACCOON CRK CT1	0.000	239	26.18	109.37	12463	1 0	435 0	P:GAS	3,108	26.2
U:RACCOON CRK CT2	0.000	163	18.15	111.03	12455	1 0	419 0	P:GAS	2,138	18.1
U:RACCOON CRK CT3	0.000	148	16.52	111.50	12475	1 0	412 0	P:GAS	1,947	16.5
U:RACCOON CRK CT4	0.000	92	10.43	113.13	12497	1 0	418 0	P:GAS	1,229	10.4
U:RUSH ISLAND 1F	0.435	2,286,679	40,837.93	17.86	10603	8 0	2229 92	I:OIL MO I:RUS COAL P:RUS COAL Total	26,230 26,230 24,245,190	491.6 43.6 40,302.8 40,837.9

Title: Commission Case - True Up
Baseline -- No Sales
Study Start: 04-01-2007
Study Stop: 03-30-2008

Commission Case - True Up

RealTime

rDate: 11-13-2008
rTime: 14:28:22

Resource	Cap Fact	Generation	Total Cost	\$/MWH	Heat Rate	--Starts-- Cold Hot	-Hours Out- Full Part	Fuel	Quantity	Fuel Cost
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
U:RUSH ISLAND 2F	0.534	2,786,013	49,452.79	17.75	10602	5 0	852 26	I:OIL MO I:RUS COAL P:RUS COAL Total	17,240 17,240 29,538,020	323.1 28.7 49,101.1 49,452.8
U:SIOUX 1L-34	0.530	2,126,266	38,552.73	18.13	10175	12 0	1864 82	I:OIL MO I:SI 80-20 P:SI 80-20 P:SI 60-40 Total	6,782 45,384 20,642,870 991,733	127.1 80.4 36,587.5 1,757.7 38,552.7
U:SIOUX 2L-34	0.661	2,652,070	47,520.84	17.92	10058	13 0	298 34	I:OIL MO I:SI 80-20 P:SI 80-20 P:SI 60-40 Total	7,895 52,839 25,576,490 1,098,767	148.0 93.7 45,331.8 1,947.5 47,520.9
U:VENICE CT2	0.005	2,082	204.81	98.38	10521	12 0	0 0	I:OIL MO P:GAS Total	1,122 21,902	21.0 183.8 204.8
U:VENICE CT3	0.004	6,778	609.90	89.98	10429	9 0	0 0	P:GAS	72,748	609.9
U:VENICE CT4	0.004	5,614	504.91	89.94	10423	8 0	0 0	P:GAS	60,287	504.9
U:VENICE CT5	0.000	15	1.72	113.84	12750	0 0	0 0	P:GAS	203	1.7
U:VIADUCT CT1	0.000	0	0.00	0.00	0	0 0	523 0	P:GAS	0	0.0
H:KEOKUK		887,165	0.00	0.00						
H:OSAGE		430,981	0.00	0.00						
P:TAUM SAUK		-254,279	0.00							
B:APL-FIXPURCH		378,880	13,048.62	34.44			0			
B:APL-ECONPURCH		431,155	7,216.88	16.74			0			
B:PURCHASE-E		437,642	23,362.40	53.38			0			
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Total		40,871,588	544,123.68	13.31		424 0	26523 1992			500,495.8

Resource	Cap Fact	Generation	Total Cost	\$/MWH	Heat Rate	--Starts-- Cold Hot	-Hours Out- Full Part	Fuel	Quantity	Fuel Cost
U:AUDRAIN CT1	0.007	4,788	476.06	99.43	11755	20 0	445 0	P:GAS	58,432	476.1
U:AUDRAIN CT2	0.007	4,793	476.92	99.51	11757	20 0	450 0	P:GAS	58,514	476.9
U:AUDRAIN CT3	0.007	4,791	476.10	99.37	11755	20 0	427 0	P:GAS	58,474	476.1
U:AUDRAIN CT4	0.007	4,758	472.53	99.31	11755	19 0	427 0	P:GAS	58,074	472.5
U:AUDRAIN CT5	0.007	4,710	467.93	99.35	11755	19 0	419 0	P:GAS	57,480	472.9
U:AUDRAIN CT6	0.007	4,800	477.42	99.47	11754	20 0	441 0	P:GAS	58,571	477.4
U:AUDRAIN CT7	0.007	4,811	478.51	99.47	11754	20 0	436 0	P:GAS	58,695	478.5
U:AUDRAIN CT8	0.007	4,726	469.91	99.43	11756	19 0	431 0	P:GAS	57,698	469.9
U:CALLAWAY 1D	0.858	9,312,331	58,469.69	6.28	9941	6 0	1076 27	P:NUCLEAR	92,573,850	58,469.7
U:FAIRGROUNDS GT	0.000	9	2.82	299.96	11432	0 0	511 0	P:OIL MO	150	2.8
U:GOOSE CREEK CT1	0.007	4,628	460.32	99.46	11776	20 0	444 0	P:GAS	56,658	460.3
U:GOOSE CREEK CT2	0.007	4,679	465.64	99.52	11773	20 0	449 0	P:GAS	57,243	465.6
U:GOOSE CREEK CT3	0.007	4,657	463.16	99.46	11773	20 0	433 0	P:GAS	56,970	463.2
U:GOOSE CREEK CT4	0.007	4,628	460.27	99.45	11776	20 0	442 0	P:GAS	56,653	460.3
U:GOOSE CREEK CT5	0.007	4,588	456.01	99.40	11773	19 0	429 0	P:GAS	56,130	456.0
U:GOOSE CREEK CT6	0.007	4,697	467.18	99.47	11773	20 0	414 0	P:GAS	57,455	467.2
U:HOWARD BEND CT	0.000	12	3.98	340.75	14303	0 0	529 0	P:OIL MO	212	4.0
U:KINMUNDY CT 1	0.002	1,533	161.25	105.16	12034	3 0	0 0	P:GAS	18,971	161.2
U:KINMUNDY CT 2	0.002	1,533	161.25	105.16	12034	3 0	0 0	P:GAS	18,971	161.2
U:KIRKSVILLE CT	0.000	7	1.14	174.84	22207	0 0	534 0	P:GAS	144	1.1
U:LABADIE 1	0.766	4,088,051	52,539.56	12.85	9941	5 0	1739 113	I:OIL MO I:LAB COAL P:LAB COAL Total	13,536 13,536 40,637,910	253.7 17.4 52,268.5 52,539.6
U:LABADIE 2	0.896	4,691,062	60,661.53	12.93	9980	9 0	536 177	I:OIL MO I:LAB COAL P:LAB COAL Total	22,347 22,347 46,815,420	418.8 28.7 60,214.0 60,661.5
U:LABADIE 3	0.875	4,712,310	60,257.67	12.79	9839	13 0	685 183	I:OIL MO I:LAB COAL P:LAB COAL Total	31,091 31,091 46,365,280	582.6 40.0 59,635.0 60,257.7
U:LABADIE 4	0.864	4,654,144	59,571.15	12.80	9887	8 0	889 161	I:OIL MO I:LAB COAL P:LAB COAL Total	19,270 19,270 46,015,620	361.1 24.8 59,185.3 59,571.2
U:MERAMEC 1	0.793	874,437	14,078.58	16.10	10969	7 0	1074 349	C:GAS I:GAS I:MER 12 COA P:MER 12 COA Total	61,417 2,130 2,191 9,530,595	495.7 17.7 3.1 13,562.0 14,078.6
U:MERAMEC 2	0.872	970,230	15,615.62	16.09	10964	6 0	410 120	C:GAS I:GAS I:MER 12 COA P:MER 12 COA Total	68,106 1,966 2,022 10,569,400	556.4 16.1 2.9 15,040.3 15,615.6
U:MERAMEC 3	0.761	1,773,007	28,521.57	16.09	10931	10 0	1515 263	C:GAS I:GAS I:MER 34 COA P:MER 34 COA Total	124,166 9,244 10,466 19,257,040	1,028.9 75.0 14.9 27,402.8 28,521.6
U:MERAMEC 4	0.717	2,277,091	34,705.07	15.24	10368	11 0	1425 366	C:GAS I:GAS I:MER 34 COA P:MER 34 COA Total	151,213 7,980 9,558 23,458,320	1,245.8 64.5 13.6 33,381.2 34,705.1
U:MERAMEC CT1	0.000	11	2.94	267.19	10676	0 0	528 0	P:OIL MO	157	2.9
U:MERAMEC CT2	0.009	4,310	464.60	107.79	11941	28 0	0 0	I:OIL MO P:GAS Total	2,697 51,467	50.5 414.1 464.6
U:MEXICO CT	0.000	8	2.33	297.78	11316	0 0	511 0	P:OIL MO	124	2.3
U:MOBERLY CT	0.000	6	1.91	304.33	11665	0 0	508 0	P:OIL MO	102	1.9
U:MOREAU CT	0.000	9	2.82	299.96	11432	0 0	521 0	P:OIL MO	150	2.8
U:PENO CREEK CT1	0.030	12,436	1,110.90	89.33	10693	92 0	0 0	P:GAS	141,849	1,110.9
U:PENO CREEK CT2	0.030	12,357	1,103.70	89.32	10691	91 0	0 0	P:GAS	140,973	1,103.7
U:PENO CREEK CT3	0.029	12,306	1,098.70	89.28	10691	91 0	0 0	P:GAS	140,382	1,098.7
U:PENO CREEK CT4	0.029	12,262	1,094.42	89.26	10690	91 0	0 0	P:GAS	139,873	1,094.4
U:PINCKNEY CT1	0.058	19,078	1,605.58	84.16	10480	183 0	0 0	P:GAS	202,859	1,605.6
U:PINCKNEY CT2	0.058	19,008	1,599.49	84.15	10479	183 0	0 0	P:GAS	202,099	1,599.5
U:PINCKNEY CT3	0.058	18,943	1,594.05	84.15	10479	182 0	0 0	P:GAS	201,416	1,594.1
U:PINCKNEY CT4	0.057	18,887	1,589.00	84.13	10478	182 0	0 0	P:GAS	200,811	1,589.0
U:PINCKNEY CT5	0.001	437	48.35	110.73	12681	3 0	0 0	P:GAS	5,689	48.4
U:PINCKNEY CT6	0.001	437	48.35	110.73	12681	3 0	0 0	P:GAS	5,689	48.4
U:PINCKNEY CT7	0.001	437	48.35	110.73	12681	3 0	0 0	P:GAS	5,689	48.4
U:PINCKNEY CT8	0.001	437	48.35	110.73	12681	3 0	0 0	P:GAS	5,689	48.4
U:RACCOON CRK CT1	0.007	4,755	474.98	99.88	11809	20 0	435 0	P:GAS	58,326	475.0
U:RACCOON CRK CT2	0.007	4,778	477.47	99.92	11806	20 0	419 0	P:GAS	58,576	477.5
U:RACCOON CRK CT3	0.007	4,764	475.07	99.72	11807	20 0	412 0	P:GAS	58,415	475.1
U:RACCOON CRK CT4	0.007	4,732	472.27	99.80	11808	20 0	418 0	P:GAS	58,043	472.3
U:RUSH ISLAND 1F	0.662	3,478,350	58,866.38	16.92	10088	8 0	2229 92	I:OIL MO I:RUS COAL P:RUS COAL Total	26,230 26,230 35,090,660	491.6 43.6 58,331.2 58,866.4

Resource	Cap Fact	Generation	Total Cost	\$/MWH	Heat Rate	--Starts-- Cold Hot	-Hours Out- Full Part	Fuel	Quantity	Fuel Cost
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
U:RUSH ISLAND 2F	0.811	4,232,527	71,315.30	16.85	10086	5 0	852 26	I:OIL MO I:RUS COAL P:RUS COAL Total	17,240 17,240 42,689,990	323.1 28.7 70,963.6 71,315.3
U:SIOUX 1L-34	0.714	2,862,272	50,214.63	17.54	9857	12 0	1864 82	I:OIL MO I:SI 80-20 P:SI 80-20 P:SI 60-40 Total	6,782 45,384 26,919,330 1,295,018	127.1 80.4 47,711.8 2,295.3 50,214.6
U:SIOUX 2L-34	0.876	3,514,052	61,033.48	17.37	9761	13 0	298 34	I:OIL MO I:SI 80-20 P:SI 80-20 P:SI 60-40 Total	7,895 52,839 32,860,020 1,439,179	148.0 93.7 58,241.1 2,550.8 61,033.5
U:VENICE CT2	0.020	9,058	847.76	93.59	10477	51 0	0 0	I:OIL MO P:GAS Total	4,983 94,902	93.4 754.4 847.8
U:VENICE CT3	0.018	28,385	2,426.14	85.47	10405	40 0	0 0	P:GAS	304,159	2,426.1
U:VENICE CT4	0.018	27,722	2,369.54	85.48	10403	40 0	0 0	P:GAS	297,160	2,369.5
U:VENICE CT5	0.002	1,533	162.41	105.91	12123	3 0	0 0	P:GAS	19,107	162.4
U:VIADUCT CT1	0.000	8	1.68	207.82	18713	0 0	523 0	P:GAS	201	1.7
H:KEOKUK		887,165	0.00	0.00						
H:OSAGE		430,981	0.00	0.00						
P:TAUM SAUK		-254,279	0.00							
B:APL-FIXPURCH		378,880	13,048.62	34.44			0			
B:APL-ECONPURCH		689,391	13,228.82	19.19			0			
B:PURCHASE-E		1,099,148	56,768.21	51.65			0			
S:APL-FIXSALE		-968,960	-53,259.25	54.97			0			
S:SALES-F		-3,564,704	-162,630.90	45.62			0			
S:SALES-E		-5,552,154	-235,858.00	42.48			0			
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Total		40,871,582	283,217.30	6.93		1744 0	26523 1992			651,919.8

APPLYING TO

MISSOURI SERVICE AREA*** RIDER FAC****FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE****APPLICABILITY**

This rider is applicable to kilowatt-hours (kWh) of energy supplied to customers served by the Company under Service Classification Nos. 1(M), 2(M), 3(M), 4(M), 5(M), 6(M), 7(M), 8(M), 11(M), and 12(M).

Costs passed through this Fuel and Purchased Power Adjustment Clause (FAC) reflect differences between actual fuel and purchased power costs, including transportation, net of Off-System Sales Revenues (OSSR) (i.e., Actual Net Fuel Costs) and Net Base Fuel Costs (factor NBFC, as defined below), calculated and recovered as provided for herein.

For purposes of this FAC, the true-up year shall be from March 1 through the last day of February of the following year. The Accumulation Periods and Recovery Periods are as set forth in the following table:

<u>Accumulation Period (AP)</u>	<u>Filing Date</u>	<u>Recovery Period (RP)</u>
February through May	By August 1	October through September
June through September	By December 1	February through January
October through January	By April 1	June through May

Accumulation Period (AP) means the historical calendar months during which fuel and purchased power costs, including transportation, net of OSSR for all kWh of energy supplied to Missouri retail customers are determined.

Recovery Period (RP) means the billing months as set forth in the above table during which the difference between the Actual Net Fuel Costs during an Accumulation Period and NBFC are applied to and recovered through retail customer billings on a per kWh basis, as adjusted for service voltage level.

The Company will make a Fuel and Purchased Power Adjustment (FPA) filing by each Filing Date. The new FPA rates for which the filing is made will be applicable starting with the Recovery Period that begins following the Filing Date. All FPA filings shall be accompanied by detailed workpapers supporting the filing in an electronic format.

FPA DETERMINATION

Ninety five percent (95%) of the difference between Actual Net Fuel Costs and NBFC for all kWh of energy supplied to Missouri retail customers during the respective Accumulation Periods shall be reflected as an FPA_c credit or debit, stated as a separate line item on the customer's bill and will be calculated according to the following formulas.

For the FPA filing made by each Filing Date, the FPA_c rate, applicable starting with the Recovery Period following the applicable Filing Date, to recover fuel and purchased power costs, including transportation, net of OSSR, to the extent they vary from Net Base Fuel Costs (NBFC), as defined below, during the recently-completed Accumulation Period is calculated as:

* Indicates Addition.

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DATE EFFECTIVE March 1, 2009

ISSUED BY T. R. Voss
NAME OF OFFICER

President & CEO
TITLE

St. Louis, Missouri
ADDRESS

Exhibit C

MO.P.S.C. SCHEDULE NO. 5OriginalSHEET NO. 98.2

CANCELLING MO.P.S.C. SCHEDULE NO. _____

SHEET NO. _____

APPLYING TO _____

MISSOURI SERVICE AREA*** RIDER FAC****FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)**

$$FPA_{(RP)} = [[(CF+CPP-OSSR-TS-S) - (NBFC \times S_{AP})] \times 95\% + I + R] / S_{RP}$$

The FPA rate, which will be multiplied by the voltage level adjustment factors set forth below, applicable starting with the following Recovery Period is calculated as:

$$FPA_C = FPA_{(RP)} + FPA_{(RP-1)} + FPA_{(RP-2)}$$

where:

FPA_C = Fuel and Purchased Power Adjustment rate applicable starting with the Recovery Period following the applicable Filing Date.

FPA_{RP} = FPA Recovery Period rate component calculated to recover under/over collection during the Accumulation Period that ended prior to the applicable Filing Date.

$FPA_{(RP-1)}$ = FPA Recovery Period rate component from prior FPA_{RP} calculation, if any.

$FPA_{(RP-2)}$ = FPA Recovery Period rate component from FPA_{RP} calculation prior to $FPA_{(RP-1)}$, if any.

CF = Fuel costs incurred to support sales to all retail customers and Off-System Sales allocated to Missouri retail electric operations, including transportation, associated with the Company's generating plants. These costs consist of the following:

a) For fossil fuel or hydroelectric plants:

(i) the following costs reflected in Federal Energy Regulatory Commission (FERC) Account Number 501: coal commodity, applicable taxes, gas, alternative fuels, fuel additives, Btu adjustments assessed by coal suppliers, railroad transportation, switching and demurrage charges, railcar repair and inspection costs, railcar depreciation, railcar lease costs, similar costs associated with other applicable modes of transportation, fuel hedging costs (for purposes of factor CF, hedging is defined as realized losses and costs minus realized gains associated with mitigating volatility in the Company's cost of fuel and purchased power, including but not limited to, the Company's use of futures, options and over-the-counter derivatives including, without limitation, futures contracts, puts, calls, caps, floors, collars, and swaps), hedging costs associated with SO2 and fuel oil

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ISSUED BY T. R. Voss
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President & CEO
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St. Louis, Missouri
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APPLYING TO

MISSOURI SERVICE AREA*** RIDER FAC****FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)**

adjustments included in commodity and transportation costs, broker commissions and fees associated with price hedges, oil costs, ash disposal revenues and expenses, and revenues and expenses resulting from fuel and transportation portfolio optimization activities; and

(ii) the following costs reflected in FERC Account Number 547: natural gas generation costs related to commodity, oil, transportation, storage, capacity reservation charges, fuel losses, hedging costs, and revenues and expenses resulting from fuel and transportation portfolio optimization activities;

b) Costs in FERC Account Number 518 (Nuclear Fuel Expense).

CPP = Costs of purchased power reflected in FERC Account Numbers 555, 565, and 575, excluding MISO administrative fees arising under MISO Schedules 10, 16, 17, and 24, and excluding capacity charges for contracts with terms in excess of one (1) year, incurred to support sales to all Missouri retail customers and Off-System Sales allocated to Missouri retail electric operations. Also included in factor "CPP" are insurance premiums in FERC Account Number 924 for replacement power insurance (other than relating to the Taum Sauk Plant) to the extent those premiums are not reflected in base rates. Changes in replacement power insurance premiums (other than those relating to the Taum Sauk Plant) from the level reflected in base rates shall increase or decrease purchased power costs. Additionally, costs of purchased power will be reduced by expected replacement power insurance recoveries (other than those relating to the Taum Sauk Plant) qualifying as assets under Generally Accepted Accounting Principles. Notwithstanding the foregoing, concurrently with the date the "TS" factor is eliminated as provided for in this tariff, the premiums and recoveries relating to replacement power insurance coverage for the Taum Sauk Plant shall be included in this CPP Factor.

OSSR = Revenues from Off-System Sales allocated to Missouri electric operations.

Off-System Sales shall include all sales transactions (including MISO revenues in FERC Account Number 447), excluding Missouri retail sales and long-term full and partial requirements sales, that are associated with (1) AmerenUE Missouri jurisdictional generating units, (2) power purchases made to serve Missouri retail load, and (3) any related transmission.

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APPLYING TO

MISSOURI SERVICE AREA*** RIDER FAC****FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)**

- TS = The Accumulation Period value of Taum Sauk. This factor will be used to reduce actual fuel costs to reflect the value of Taum Sauk, and will be credited in FPA filings (of which there are three each year as shown in the table above), until the next rate case or, if sooner, until Taum Sauk is placed back in service. This value is \$22.7 million annual for each true-up year as determined in the rate proceeding in which this FAC was established, one third of which (i.e., \$7.56 million) will be applied to each Accumulation Period.
- S = The Accumulation Period value of Blackbox Settlement Amount of \$3 million annually, which shall expire on September 1, 2010. One third of the annual value (\$1 million) shall be applied to each Accumulation Period. For the Accumulation Period during which the factor expires, the factor shall be prorated according to the number of days during which it was effective during that Accumulation Period.
- I = Interest applicable to (i) the difference between Actual Net Fuel Costs (adjusted for Taum Sauk and factor "S") and NBFC for all kWh of energy supplied to Missouri retail customers during an Accumulation Period until those costs have been recovered; (ii) refunds due to prudence reviews (a portion of factor R, below); and (iii) all under- or over-recovery balances created through operation of this FAC, as determined in the annual true-up filings provided for herein (a portion of factor R, below). Interest shall be calculated monthly at a rate equal to the weighted average interest rate paid on the Company's short-term debt, applied to the month-end balance of items (i) through (iii) in the preceding sentence.
- R = Under/over recovery (if any) from currently active and prior Recovery Periods as determined for the annual FAC true-up adjustments, and modifications due to adjustments ordered by the Commission (other than the adjustment for Taum Sauk as already reflected in the TS factor), as a result of required prudence reviews or other disallowances and reconciliations, with interest as defined in item I.
- S_{AP} = Supplied kWh during the Accumulation Period that ended prior to the applicable Filing Date, at the generation level.
- S_{RP} = Applicable Recovery Period estimated kWh, at the generation level, subject to the FPA_{RP} to be billed.

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NAME OF OFFICERPresident & CEO
TITLESt. Louis, Missouri
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APPLYING TO

MISSOURI SERVICE AREA*** RIDER FAC****FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)**

NBFC = Net Base Fuel Costs are the net costs determined by the Commission's order as the normalized test year value (and reflecting an adjustment for Taum Sauk, consistent with the term TS) for the sum of allowable fuel costs (consistent with the term CF), plus cost of purchased power (consistent with the term CPP), less revenues from off-system sales (consistent with the term OSSR), less an adjustment (consistent with the term "S"), expressed in cents per kWh, at the generation level, as included in the Company's retail rates. The NBFC rate applicable to June through September calendar months ("Summer NBFC Rate") is 1.001 cents per kWh. The NBFC rate applicable to October through May calendar months ("Winter NBFC Rate") is 0.690 cents per kWh.

To determine the FPA rates applicable to the individual Service Classifications, the FPA_c rate determined in accordance with the foregoing will be multiplied by the following voltage level adjustment factors:

Secondary Voltage Service	1.0888
Primary Voltage Service	1.0492
Large Transmission Voltage Service	1.0147

The FPA rates applicable to the individual Service Classifications shall be rounded to the nearest 0.001 cents, to be charged on a cents/kWh basis for each applicable kWh billed.

TRUE-UP OF FAC

After the completion of each true-up year, the Company will make a true-up filing by May 1 of each year (starting by May 1, 2010) with the Commission. Such filings shall be made by May 1 of every subsequent year until all fuel and purchased power costs accumulated during the effective period of the FAC have been recovered and true-up. Any true-up adjustments or refunds shall be reflected in item R above, and shall include interest calculated as provided for in item I above.

The true-up adjustment shall be the difference between the revenues billed and the revenues authorized for collection during the true-up year.

GENERAL RATE CASE/PRUDENCE REVIEWS

The following shall apply to this Fuel and Purchased Power Adjustment Clause, in accordance with Section 386.266.4, RSMo. and applicable Missouri Public Service Commission Rules governing rate adjustment mechanisms established under Section 386.266, RSMo:

The Company shall file a general rate case with the effective date of new rates to be no later than four years after the effective date of a Missouri Public Service Commission order implementing or continuing this Fuel and

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ISSUED BY T. R. Voss
NAME OF OFFICER

President & CEO
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St. Louis, Missouri
ADDRESS

MO.P.S.C. SCHEDULE NO. 5OriginalSHEET NO. 98.6

CANCELLING MO.P.S.C. SCHEDULE NO. _____

SHEET NO. _____

APPLYING TO _____

MISSOURI SERVICE AREA*** RIDER FAC****FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)**

Purchased Power Adjustment Clause. The four-year period referenced above shall not include any periods in which the Company is prohibited from collecting any charges under this Fuel and Purchased Power Adjustment Clause, or any period for which charges hereunder must be fully refunded. In the event a court determines that this Fuel and Purchased Power Adjustment Clause is unlawful and all moneys collected hereunder are fully refunded, the Company shall be relieved of the obligation under this Fuel and Purchased Power Adjustment Clause to file such a rate case.

Prudence reviews of the costs subject to this Fuel and Purchased Power Adjustment Clause shall occur no less frequently than every eighteen months, and any such costs which are determined by the Missouri Public Service Commission to have been imprudently incurred shall be returned to customers with interest at a rate equal to the weighted average interest rate paid on the Company's short-term debt.

*Indicates Addition.

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MO.P.S.C. SCHEDULE NO. 5OriginalSHEET NO. 98.7

CANCELLING MO.P.S.C. SCHEDULE NO. _____

SHEET NO. _____

APPLYING TO

MISSOURI SERVICE AREA*** RIDER FAC****FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)**Calculation of Current FPA_C Rate:

Accumulation Period Ending:		mm/dd/yy
1. Total Energy Cost (CF+CPP-OSSR-TS-S)		\$0
2. Base Energy Cost	-	
2.1 NBFC (\$/kWh)	x	\$0.0000
2.2 Accumulation Period Sales kWh (S _{AP})		0
3. First Subtotal (1.-2.)		\$0
4. Customer Responsibility	x	95%
5. Second Subtotal		\$0
6. Adjustment for Under / Over recovery for Prior Periods Plus Interest (I + R)	±	\$0
7. Third Subtotal		\$0
8. Estimated Recovery Period Sales kWh (S _{RP})	÷	0
9. FPA _{RP}		\$0.0000
10. FPA _{RP-1}	+	\$0.0000
11. FPA _{RP-2}	+	\$0.0000
12. FPA _C (without Voltage Level Adjustment)		\$0.0000
13. Voltage Level Adjustment Factor		
13.1 Secondary	x	1.0888
13.2 Primary	x	1.0492
13.3 Large Transmission	x	1.0147
14. FPA _C (with voltage level adjustment)		
14.1 Secondary		\$0.0000
14.2 Primary		\$0.0000
14.3 Large Transmission		\$0.0000

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