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.
- I. 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,

Steven R. Sullivan, # 33102

Sr. Vice President, General Counsel and Secretary

Thomas M. Byrne, # 33340

Managing Assoc. General Counsel Ameren Services Company P.O. Box 66149

St. Louis, MO 63166-6149

(314) 554-2098

(314) 554-2514 (phone)

(314) 554-4014 (fax)

ssullivan@ameren.com tbyrne@ameren.com SMITH LEWIS, LLP

/s/James B. Lowery

James B. Lowery, # 40503 Suite 200, City Centre Building 111 South Ninth Street P.O. Box 918 Columbia, MO 65205-0918

Phone (573) 443-3141 Facsimile (573) 442-6686

lowery@smithlewis.com

Attorneys for Union Electric Company d/b/a AmerenUE

/s/ Steven Dottheim

Steven Dottheim

Chief Deputy General Counsel Missouri Bar No. 29149

P. O. Box 360
Jefferson City, MO 65102
(573) 751-7489 (Telephone)
(573) 751-9285 (Fax)
steve.dottheim@psc.mo.gov
Attorney for the Staff of the
Missouri Public Service Commission

/s/ Lewis R. Mills, Jr._

Lewis R. Mills, Jr. (# 35275)Public Counsel

Public Counsel P O Box 2230 Jefferson City, MO 65102 (573) 751-1304 (573) 751-5562 FAX lewis.mills@ded.mo.gov

Attorney for the Office of the Public Counsel

/s/ Diana M. Vuylsteke

Diana M. Vuylsteke, # 42419

Bryan Cave, LLP 211 N. Broadway, Suite 3600 St. Louis, Missouri 63102 Telephone: (314) 259-2543

Facsimile: (314) 259-2020

E-mail: dmvuylsteke@bryancave.com Attorney for The Missouri Industrial Energy Consumers

/s/ Stuart W. Conrad

Stuart W. Conrad, # 23966

Finnegan, Conrad & Peterson, L.C. 3100 Broadway, Suite 1209 Kansas City, Missouri 64111 (816) 753-1122 Facsimile (816)756-0373

Internet: stucon@fcplaw.com

Attorney for Noranda Aluminum, Inc.

ELECTRIC SERVICE

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:

Accumulation Period (AP)
February through May
June through September
October through January

Filing Date
By August 1
By December 1
By April 1

Recovery Period (RP)
October through September
February through January
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, 2008
·-	_		Appendix A
ISSUED BY	T. R. Voss	President & CEO	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

UNION ELECTRIC	COMPANY ELECTRIC	SERVICE	
	MO.P.S.C. SCHEDULE NO. 5	Original	SHEET NO. 98.2
CANCELLING	MO.P.S.C. SCHEDULE NO.		SHEET NO.
APPLYING TO	MISSOURI SI	ERVICE AREA	
न		DER FAC ADJUSTMENT CLAUSE (CONT')	D.)
<u>-</u>	OLD THE TORONISHE TOWN	IBOODINENT CERTORE (CONT.)	<u>.,</u>
FPA _(RP) =	= [[(CF+CPP-OSSR-TS-S) -	(NBFC x S _{AP})]x% + 1	I + R]/S _{RP}
	forth below, applicable	ed by the voltage level a starting with the followi	
	$FPA_C = FPA_{(RP)} +$	$FPA_{(RP-1)} + FPA_{(RP-2)}$	
where:			
FPA _C =		er Adjustment rate applicab od following the applicab	
FPA _{RP} =		te component calculated to during the Accumulation Po licable Filing Date.	
$FPA_{(RP-1)} =$	FPA Recovery Period rate calculation, if any.	te component from prior F	PA_RP
$FPA_{(RP-2)} =$	FPA Recovery Period rate prior to $FPA_{(RP-1)}$, if an	te component from $ extsf{FPA}_{ extsf{RP}}$ cany.	lculation
CF =	and Off-System Sales as operations, including to	support sales to all retail llocated to Missouri retail transportation, associated lants. These costs consis	il electric d with the
	a) For fossil fuel o	or hydroelectric plants:	
	Regulatory Commission commodity, application fuel additives, I suppliers, railrous demurage charges railcar depreciations associated transportation, factor CF, hedging costs minus reals volatility in the power, including of futures, opticincluding, withous	wing costs reflected in Fession (FERC) Account Number cable taxes, gas, alternated and transportation, switches, railcar repair and inspition, railcar lease costs with other applicable more fuel hedging costs (for page is defined as realized ized gains associated with e Company's cost of fuel a but not limited to, the cons and over-the-counter out limitation, futures cours, collars, and swaps), so 2 and fuel oil	er 501: coal tive fuels, by coal hing and pection costs, , similar des of urposes of losses and h mitigating and purchased Company's use derivatives ntracts, puts,
* Indicates A	Addition.		

2008 Appendix A DATE OF ISSUE April 4, 2008 _____ DATE EFFECTIVE _____ May 4, T. R. Voss President & CEO Louis, Missouri ADDRESS ISSUED BY _____

ELECTRIC SERVICE

	MO.P.S.C. SCHEDULE NO.	5			Original	SHEET NO.	98.3
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APPLYING TO	MISSO	OURI	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.

* Indicates Addition.

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

ELECTRIC SERVICE

	MO.P.S.C. SCHEDULE NO. 5	Original	SHEET NO. 98.4
CANCE	LLING MO.P.S.C. SCHEDULE NO.		SHEET NO.
APPLYING TO	MISSOURI SERVI	CE AREA	
	* RIDER FUEL AND PURCHASED POWER ADJ		D.)
TS	= The Accumulation Period value used to reduce actual for Taum Sauk, and will be creathere are three each year the next rate case or, if back in service. This value-up year as determined this FAC was established, million) will be applied to	edited in FPA filings as shown in the table sooner, until Taum Saue is \$22.7 million and in the rate proceeding one third of which (i	the value of (of which above), until uk is placed nnual for each ng in which .e., \$7.56
S	= The Accumulation Period va of \$3 million annually, wh 2010. One third of the ar applied to each Accumulati Period during which the fa prorated according to the effective during that Accumulation	nich shall expire on Somual value (\$1 million on Period. For the Actor expires, the factor of days during	eptember 1, n) shall be ccumulation tor shall be
I	= Interest applicable to (i) Fuel Costs (adjusted for T for all kWh of energy supply during an Accumulation Per recovered; (ii) refunds du factor R, below); and (iii balances created through of in the annual true-up fili of factor R, below). Inte a rate equal to the weight the Company's short-term of balance of items (i) through	Caum Sauk and factor "a clied to Missouri retal riod until those costs are to prudence reviews all under- or over-peration of this FAC, angs provided for here exest shall be calculated average interest rated to the material state.	S") and NBFC il customers have been (a portion of recovery as determined in (a portion ted monthly at ate paid on onth-end
R	= Under/over recovery (if ar Recovery Periods as determ adjustments, and modificat the Commission (other than already reflected in the T prudence reviews or other with interest as defined in	nined for the annual Factions due to adjustment the adjustment for Target factor), as a resulting disallowances and rec	AC true-up ts ordered by aum Sauk as t of required
$S_\mathtt{AP}$	= Supplied kWh during the Action the applicable Filing I		
$S_{\mathtt{RP}}$	= Applicable Recovery Period level, subject to the FPA _R		e generation
* Indicate	es Addition.		
DATE OF ISSUE	April 4, 2008	DATE EFFECTIVEMay_	4, 2008

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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 trued-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

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ISSUED BY	T. R. Voss	President & CEO	Appendix A St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

ELECTRIC SERVICE

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 A	AREA							
collecting any charges under this Fuel and Clause, or any period for which charges her In the event a court determines that this F Adjustment Clause is unlawful and all money refunded, the Company shall be relieved of and Purchased Power Adjustment Clause to fi	reunder must be fu Fuel and Purchased 's collected hereu the obligation un	lly refunded. Power nder are fully der this Fuel						
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.								
*Indicates Addition.								

DATE OF ISSUE April 4, 2008

DATE EFFECTIVE May 4, 2008

Appendix A

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

NAME OF OFFICER TITLE ADDRESS

Energy Generated (MWH)

Page: 1

RealTime

rDate: 11-13-2008

rTime: 14:13 Appendix B

Source =========	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
Generating Units													
AUDRAIN CT1	0	0	1,514	1,614	234	283	339	2	583	211	0	7	4,788
AUDRAIN CT2	0	2	1,555	1,578	240	288	338	0	573	214	0	5	4,793
AUDRAIN CT3	0	2	1,547	1,557	240	278	362	0	584	221	0	0	4,791
AUDRAIN CT4	0	2	1,526	1,546	228	276	362	0	589	229	0	0	4,758
AUDRAIN CT5	0	2	1,519	1,534	235	268	364	0	579	208	0	0	4,710
AUDRAIN CT6	0	2	1,580	1,597	214	288	331	0	558	229	0	0	4,800
AUDRAIN CT7	0	2	1,514	1,641	243	278	349	0	555	229	0	0	4,811
AUDRAIN CT8	0	2	1,516	1,564	243	293	338	0	579	191	0	0	4,726
CALLAWAY 1D	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
FAIRGROUNDS GT	0	0	0	5	5	0	0	0	0	0	0	0	9
GOOSE CREEK CT1	0	2	1,525	1,392	239	291	357	0	596	227	0	0	4,628
GOOSE CREEK CT2	0	2	1,520	1,505	224	276	372	0	561	219	0	0	4,679
GOOSE CREEK CT3	0	2 2	1,495	1,491	231 229	286 279	372 374	0	556 576	224 227	0	0	4,657
GOOSE CREEK CT4 GOOSE CREEK CT5	0	2	1,464	1,478	209	281	359	0	573	227	0	0	4,628 4,588
GOOSE CREEK CT6	0	2	1,496 1,536	1,441 1,479	224	276	370	0	584	227	0	0	4,697
HOWARD BEND CT	0	1	1,550	1,4/5	4	270	0	0	0	0	0	0	12
KINMUNDY CT 1	0	0	428	1,088	18	0	0	0	0	0	0	0	1,533
KINMUNDY CT 2	0	0	428	1,088	18	0	0	0	0	0	0	0	1,533
KIRKSVILLE CT	0	0	0	1,000	1	Ö	2	1	0	0	0	0	1,333
LABADIE 1	390,247	382,920	394,263	401,835	413,383	372,112	0	150,638	414,316	396,287	376,188	395,862	4,088,050
LABADIE 2	388,033	378,223	389,953	404,592	407,447	383,239	396,944	372,542	398,618	409,751	377,629	384,091	4,691,061
LABADIE 3	393,849	381,478	391,058	407,544	412,707	384,658	389,627	378,742	400,882	410,475	380,450	380,842	4,712,312
LABADIE 4	377,858	371,430	393,306	406,352	400,497	386,427	394,230	375,393	398,697	378,314	382,408	389,234	4,654,145
MERAMEC 1	78,757	70,423	79,099	82,500	81,644	75,492	75,907	79,449	83,619	83,388	79,505	4,654	874,438
MERAMEC 2	81,027	73,580	79,554	87,700	84,350	74,951	77,188	78,841	81,605	86,939	81,015	83,479	970,229
MERAMEC 3	165,327	155,077	161,729	165,639	166,799	138,663	18,811	158,655	158,840	169,041	156,387	158,040	1,773,007
MERAMEC 4	203,163	187,275	190,614	211,598	205,788	182,360	156,825	124,341	204,733	210,776	197,755	201,864	2,277,091
MERAMEC CT1	0	0	0	6	6	0	0	0	0	0	0	0	11
MERAMEC CT2	0	1	1,184	1,437	226	375	542	2	376	162	1	4	4,310
MEXICO CT	0	0	0	3	5	0	0	0	0	0	0	0	8
MOBERLY CT	0	0	0	5	2	0	0	0	0	0	0	0	6
MOREAU CT	0	0	0	5	5	0	0	0	0	0	0	0	9
PENO CREEK CT1	326	11	2,195	2,590	562	1,308	1,731	571	1,384	1,543	112	104	12,436
PENO CREEK CT2	326	4	2,190	2,581	558	1,306	1,731	558	1,377	1,532	103	92	12,357
PENO CREEK CT3	324	3	2,189	2,581	549	1,305	1,731	549	1,376	1,524	95	80	12,306
PENO CREEK CT4	322	1	2,187	2,573	548	1,303	1,731	543	1,373	1,523	93	62	12,261
PINCKNEY CT1	1,041	23	3,237	3,132	1,019	1,990	2,332	979	1,843	2,368	487	629	19,078
PINCKNEY CT2	1,040	20	3,236	3,125	1,010	1,990	2,324	959	1,841	2,365	472	626	19,008
PINCKNEY CT3	1,039	16	3,233	3,119	1,007	1,990	2,319	939	1,840	2,358	467	616	18,943
PINCKNEY CT4	1,038	10 0	3,232 115	3,114	1,001	1,990 0	2,318	928 0	1,838 0	2,353	453 0	613 0	18,887
PINCKNEY CT5 PINCKNEY CT6	0	0	115	316 316	6 6	0	0	0	0	0	0	0	437 437
PINCKNEY CT7	0	0	115	316	6	0	0	0	0	0	0	0	437
PINCKNEY CT8	0	0	115	316	6	0	0	0	0	0	0	0	437
RACCOON CRK CT1	0	1	1,520	1,555	238	266	362	0	586	227	1	0	4,755
RACCOON CRK CT1	0	1	1,534	1,588	238	286	326	0	578	227	0	0	4,778
RACCOON CRK CT3	0	1	1,510	1,603	208	290	362	0	576 576	214	0	0	4,764
RACCOON CRK CT4	0	1	1,523	1,548	223	286	351	0	588	212	0	0	4,732
RUSH ISLAND 1F	324,382	293,842	338,342	348,440	327,986	321,332	314,258	324,691	351,515	319,102	170,926	43,537	3,478,351
RUSH ISLAND 2F	355,889	323,535	360,090	371,803	371,507	324,509	325,875	359,144	367,565	365,461	352,662	354,484	4,232,525
SIOUX 1L-34	283,830	276,017	276,011	285,160	286,926	257,227	45,708	31	280,486	304,494	274,321	292,060	2,862,271
SIOUX 2L-34	300,174	287,529	280,614	303,909	298,135	272,042	290,276	278,259	293,937	309,988	292,212	306,978	3,514,052
VENICE CT2	101	2	2,067	2,232	555	879	1,093	268	778	1,035	10	39	9,058
VENICE CT3	311	0	6,726	6,871	2,036	3,721	2,902	209	2,854	2,345	178	233	28,385
VENICE CT4	311	0	6,708	6,784	1,952	3,709	2,902	16	2,808	2,318	60	154	27,722
VENICE CT5	0	0	428	1,088	18	0	0	0	0	0	0	0	1,533
VIADUCT CT1	0	1	0	2	2	0	1	1	0	0	0	0	8
Pumped 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
Hydro Units													
KEOKUK	78,200	87,900	84,700	79,900	63,200	62,800	73,100	72,800	74,200	69,800	58,500	82,065	887,165
OSAGE	49,717	37,855	46,070	43,558	58,180	53,062	53,385	23,797	12,880	9,238	15,834	27,405	430,981
Purchases													
APL-FIXPURCH	0	0	53,760	53,760	58,880	48,640	58,880	53,760	51,200	0	0	0	378,880
APL-ECONPURCH	115,200	110,604	16,960	20,831	20,800	13,767	12,659	10,070	22,901	119,040	111,360	115,200	689,391
PURCHASE-E	79,019	61,867	63,734	113,474	114,114	32,454	110,088	107,727	76,976	145,269	117,259	77,169	1,099,149
Sales							=====						
APL-FIXSALE	-115,200	-119,040	-53,760	-56,320	-58,880	-51,200	-58,880	-56,320	-53,760	-119,040	-111,360	-115,200	-968,960
SALES-F	-405,600	-379,200	-271,200	-156,800	-150,400	-205,600	-334,400	-315,200	-323,200	-327,104	-312,000	-384,000	-3,564,704
SALES-E	-428,082	-626,491	-610,036	-427,319	-463,096	-751,799	-305,146	-320,835	-503,540	-315,436	-334,137	-466,238	-5,552,154
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Commission Case - True Up Commission Case - True Up Baseline (test) 2008

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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

Total Expense (\$1000) Page: 1 2008

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Appendix B

Source	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
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 FAIRGROUNDS GT	965.14 0.00	4,550.87	5,130.77 0.00	5,409.17 1.41	5,406.02 1.41	5,153.59 0.00	5,553.62	5,261.99 0.00	5,430.35	5,362.22	5,109.79 0.00	5,136.17 0.00	58,469.70 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 4,916.84	0.00 5,061.92	0.24 5,163.74	0.26 5,308.94	0.00 4,776.94	0.26	0.19 1,982.66	0.00 5,316.61	0.00 5,097.33	0.00 4,831.22	0.09 5,073.60	1.14 52,539.56
LABADIE 1 LABADIE 2	5,009.76 5,013.50	4,894.45	5,061.92	5,163.74	5,308.94	4,776.94	5,131.19	4,826.09	5,164.35	5,097.33	4,831.22	4,975.07	60,661.54
LABADIE 2 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 MERAMEC CT2	0.00	0.00 0.18	0.00 135.66	1.47 158.23	1.47 29.01	0.00 35.17	0.00 49.03	0.00 0.19	0.00 39.19	0.00 17.16	0.00	0.00 0.55	2.94 464.60
MEXICO CT	0.00	0.00	0.00	0.93	1.40	0.00	0.00	0.00	0.00	0.00	0.23	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 PINCKNEY CT2	97.38 97.36	2.28	291.55 291.42	278.44 277.89	99.36 98.55	138.75 138.75	166.37 165.80	69.91 68.53	146.73 146.57	201.00 200.75	49.77 48.04	64.04 63.80	1,605.58 1,599.49
PINCKNEY CT3	97.24	1.71	291.42	277.37	98.23	138.75	165.49	67.17	146.47	200.75	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	161.61 159.22	161.53 163.04	26.97 23.57	23.98 24.39	27.44 30.38	0.00	53.54 53.31	22.16 20.93	0.00	0.00	477.47
RACCOON CRK CT3 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	475.07 472.27
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 VENICE CT5	30.72 0.00	0.00	617.16 45.88	611.31 114.24	192.74 2.28	262.02 0.00	207.30	1.18	227.23	199.04	5.85 0.00	14.98 0.00	2,369.54 162.41
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	2.5	2 5 -	1 052 45	1 057 45	0 005 05	1 655 15	0 005 55	1 051 15	1 850 00	2 2 -	2 2 -	2 2 -	12 040 55
APL-FIXPURCH	0.00	0.00	1,851.49	1,851.49	2,027.83	1,675.16		1,851.49	1,763.33	0.00	0.00	0.00	13,048.62
APL-ECONPURCH PURCHASE-E	1,847.81 4,382.60	1,774.08 1,840.39	584.10 3,948.31	717.41 7,577.54	716.35 7,819.94	474.14 1,296.01	435.97 3,961.00	346.82 3,826.89	788.70 3,152.81	1,909.40 7,624.65	1,786.21 6,827.71	1,847.81 4,510.37	13,228.81 56,768.22
Sales	4,502.00	1,040.39	J, /40.JI	1,311.34	/,U1J.J4	1,290.Ul	J, JUI. 00	3,020.09	J,192.01	7,024.05	0,02/./1	T, J1U. J/	50,700.22
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			-27,882.58										-235,858.04
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Commission Case - True Up Commission Case - True Up Baseline (test) 2008

Total Expense (\$1000) Page: 2

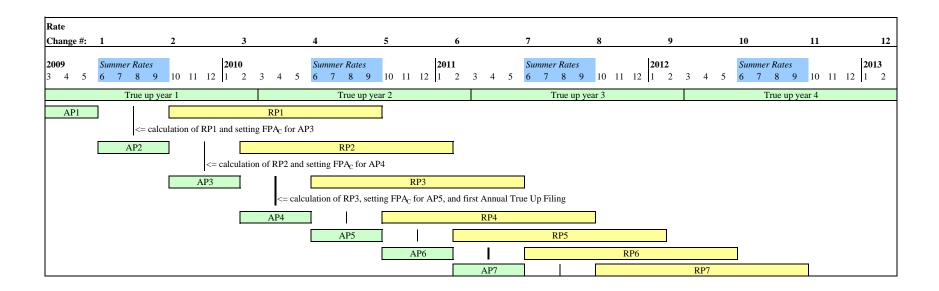
RealTime

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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 Coal Nuclear CT		•			51,503.30 5,406.02	•			•		46,237.60	49,593.23 44,121.14 5,136.17 335.93	651,919.74 567,380.51 58,469.70 26,069.54
Purchases Sales	6,230.41 -47,547.11					3,445.32 -37,271.51		6,025.20 -28,727.26	•			6,358.18 -48,830.49	83,045.65 -451,748.07

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



MO.P.S.C. SCHEDULE NO.	5	Original	SHEET 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.) 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) \$0.0000 x 2.2 Accumulation Period Sales kWh (S_{AP}) 0 First Subtotal (1.-2.) \$0 3. 4. Customer Responsibility TBD% \mathbf{x} Second Subtotal \$0 6. Adjustment for Under / Over recovery for \$0 Prior Periods Plus Interest (I + R) 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 1.0888 Х 13.2 Primary 1.0492 X 13.3 Large Transmission 1.0147 x 14. FPA_C (with voltage level adjustment) 14.1 Secondary \$0.0000 14.2 Primary \$0.0000

\$0.0000

Indicates Addition.

14.3 Large Transmission

DATE OF ISSUE _	DATE EFFECTIVE								
_			Appendix D						
ISSUED BY	T. R. Voss	President & CEO	St. Louis, Missouri						
	NAME OF OFFICER	TITI E	ADDDECC						