BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI

In the Matter of Union Electric Company d/b/a AmerenUE for Authority to File Tariffs Increasing Rates for Electric Service Provided to Customers in the Company's Missouri Service Area.	)))))	Case No. ER-2008-0318

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;

Exhibit B

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:

$FPA_{(RP)}$=[[(CF+CPP-OSSR-TS-S)-(NBFC*S_{AP})]*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 components[2] of net fuel costs and 98.4% to the fixed components[3] 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. Schukar[5]

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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Title: Commission Case - True Up RealTime
Baseline - No Taum Sauk
Study Start: 04-01-2007 rDate: 12-01-2008
Study Stop: 03-30-2008 rTime: 22:25:42

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	13,536	253.7
										I:LAB COAL	13,536	17.4
										P:LAB COAL	40,615,880	52,240.1
										Total		52,511.2
U:LABADIE 2	0.895	4,687,754	60,621.12	12.93	9980	9	0	536	177	I:OIL MO	22,347	418.8
										I:LAB COAL	22,347	28.7
										P:LAB COAL	46,784,000	60,173.6
										Total		60,621.1
U:LABADIE 3	0.874	4,709,464	60,223.27	12.79	9839	13	0	685	183	I:OIL MO	31,091	582.6
										I:LAB COAL	31,091	40.0
										P:LAB COAL	46,338,480	59,600.6
										Total		60,223.2
U:LABADIE 4	0.863	4,650,543	59,528.25	12.80	9888	8	0	889	161	I:OIL MO	19,270	361.1
										I:LAB COAL	19,270	24.8
										P:LAB COAL	45,982,250	59,142.3
										Total		59,528.2
U:MERAMEC 1	0.793	874,206	14,075.23	16.10	10970	7	0	1074	349	C:GAS	61,402	495.6
										I:GAS	2,130	17.7
										I:MER 12 COA	2,191	3.1
										P:MER 12 COA	9,528,320	13,558.8
										Total		14,075.2
U:MERAMEC 2	0.872	970,142	15,614.35	16.09	10964	6	0	410	120	C:GAS	68,100	556.3
										I:GAS	1,966	16.1
										I:MER 12 COA	2,022	2.9
										P:MER 12 COA	10,568,540	15,039.0
										Total		15,614.4
U:MERAMEC 3	0.761	1,772,882	28,519.73	16.09	10931	10	0	1515	263	C:GAS	124,158	1,028.8
										I:GAS	9,244	75.0
										I:MER 34 COA	10,466	14.9
										P:MER 34 COA	19,255,780	27,401.0
										Total		28,519.7
U:MERAMEC 4	0.717	2,277,084	34,704.74	15.24	10368	11	0	1425	366	C:GAS	151,212	1,245.7
										I:GAS	7,980	64.5
										I:MER 34 COA	9,558	13.6
										P:MER 34 COA	23,458,100	33,380.9
										Total		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	2,710	50.8
										P:GAS	51,711	416.2
										Total		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	26,230	491.6
										I:RUS COAL	26,230	43.6
										P:RUS COAL	35,082,770	58,318.1
										Total		58,853.2

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

RealTime
rDate: 12-01-2008
rTime: 22:25:42

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	17,240	323.1
										I:RUS COAL	17,240	28.7
										P:RUS COAL	42,685,040	70,955.3
										Total		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	6,782	127.1
										I:SI 80-20	45,384	80.4
										P:SI 80-20	26,917,910	47,709.3
										P:SI 60-40	1,295,045	2,295.3
										Total		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	7,895	148.0
										I:SI 80-20	52,839	93.7
										P:SI 80-20	32,857,770	58,237.1
										P:SI 60-40	1,439,174	2,550.8
										Total		61,029.5
U:VENICE CT2	0.020	9,154	856.79	93.60	10478	52	0	0	0	I:OIL MO	5,021	94.1
										P:GAS	95,912	762.7
										Total		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

Title: Commission Case - True Up   RealTime
Baseline -- No Sales
Study Start: 04-01-2007   rDate: 11-13-2008
Study Stop: 03-30-2008   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: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	13,536	253.7
										I:LAB COAL	13,536	17.4
										P:LAB COAL	34,134,050	43,903.2
										Total		44,174.3
U:LABADIE 2	0.757	3,964,883	51,238.38	12.92	9960	9	0	536	177	I:OIL MO	22,347	418.8
										I:LAB COAL	22,347	28.7
										P:LAB COAL	39,489,110	50,790.9
										Total		51,238.4
U:LABADIE 3	0.765	4,122,554	52,759.48	12.80	9833	13	0	685	183	I:OIL MO	31,091	582.6
										I:LAB COAL	31,091	40.0
										P:LAB COAL	40,535,560	52,136.8
										Total		52,759.5
U:LABADIE 4	0.747	4,023,443	51,502.38	12.80	9878	8	0	889	161	I:OIL MO	19,270	361.1
										I:LAB COAL	19,270	24.8
										P:LAB COAL	39,742,260	51,116.5
										Total		51,502.4
U:MERAMEC 1	0.457	503,806	8,600.06	17.07	11618	7	0	1074	349	C:GAS	37,488	303.5
										I:GAS	2,130	17.7
										I:MER 12 COA	2,191	3.1
										P:MER 12 COA	5,815,669	8,275.7
										Total		8,600.1
U:MERAMEC 2	0.484	538,357	9,217.52	17.12	11653	6	0	410	120	C:GAS	40,175	328.6
										I:GAS	1,966	16.1
										I:MER 12 COA	2,022	2.9
										P:MER 12 COA	6,233,226	8,869.9
										Total		9,217.5
U:MERAMEC 3	0.536	1,248,428	20,292.74	16.25	11031	10	0	1515	263	C:GAS	88,264	731.5
										I:GAS	9,244	75.0
										I:MER 34 COA	10,466	14.9
										P:MER 34 COA	13,683,280	19,471.3
										Total		20,292.8
U:MERAMEC 4	0.475	1,509,006	23,234.21	15.40	10462	11	0	1425	366	C:GAS	101,152	834.5
										I:GAS	7,980	64.5
										I:MER 34 COA	9,558	13.6
										P:MER 34 COA	15,686,300	22,321.6
										Total		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	511	9.6
										P:GAS	6,494	54.1
										Total		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	26,230	491.6
										I:RUS COAL	26,230	43.6
										P:RUS COAL	24,245,190	40,302.8
										Total		40,837.9

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

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	17,240	323.1
										I:RUS COAL	17,240	28.7
										P:RUS COAL	29,538,020	49,101.1
										Total		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	6,782	127.1
										I:SI 80-20	45,384	80.4
										P:SI 80-20	20,642,870	36,587.5
										P:SI 60-40	991,733	1,757.7
										Total		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	7,895	148.0
										I:SI 80-20	52,839	93.7
										P:SI 80-20	25,576,490	45,331.8
										P:SI 60-40	1,098,767	1,947.5
										Total		47,520.9
U:VENICE CT2	0.005	2,082	204.81	98.38	10521	12	0	0	0	I:OIL MO	1,122	21.0
										P:GAS	21,902	183.8
										Total		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

Title: Commission Case - True Up RealTime
Baseline (test)
Study Start: 04-01-2007 rDate: 11-13-2008
Study Stop: 03-30-2008 rTime: 14:13:03

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	467.9
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	13,536	253.7
										I:LAB COAL	13,536	17.4
										P:LAB COAL	40,637,910	52,268.5
										Total		52,539.6
U:LABADIE 2	0.896	4,691,062	60,661.53	12.93	9980	9	0	536	177	I:OIL MO	22,347	418.8
										I:LAB COAL	22,347	28.7
										P:LAB COAL	46,815,420	60,214.0
										Total		60,661.5
U:LABADIE 3	0.875	4,712,310	60,257.67	12.79	9839	13	0	685	183	I:OIL MO	31,091	582.6
										I:LAB COAL	31,091	40.0
										P:LAB COAL	46,365,280	59,635.0
										Total		60,257.7
U:LABADIE 4	0.864	4,654,144	59,571.15	12.80	9887	8	0	889	161	I:OIL MO	19,270	361.1
										I:LAB COAL	19,270	24.8
										P:LAB COAL	46,015,620	59,185.3
										Total		59,571.2
U:MERAMEC 1	0.793	874,437	14,078.58	16.10	10969	7	0	1074	349	C:GAS	61,417	495.7
										I:GAS	2,130	17.7
										I:MER 12 COA	2,191	3.1
										P:MER 12 COA	9,530,595	13,562.0
										Total		14,078.6
U:MERAMEC 2	0.872	970,230	15,615.62	16.09	10964	6	0	410	120	C:GAS	68,106	556.4
										I:GAS	1,966	16.1
										I:MER 12 COA	2,022	2.9
										P:MER 12 COA	10,569,400	15,040.3
										Total		15,615.6
U:MERAMEC 3	0.761	1,773,007	28,521.57	16.09	10931	10	0	1515	263	C:GAS	124,166	1,028.9
										I:GAS	9,244	75.0
										I:MER 34 COA	10,466	14.9
										P:MER 34 COA	19,257,040	27,402.8
										Total		28,521.6
U:MERAMEC 4	0.717	2,277,091	34,705.07	15.24	10368	11	0	1425	366	C:GAS	151,213	1,245.8
										I:GAS	7,980	64.5
										I:MER 34 COA	9,558	13.6
										P:MER 34 COA	23,458,320	33,381.2
										Total		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	2,697	50.5
										P:GAS	51,467	414.1
										Total		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	26,230	491.6
										I:RUS COAL	26,230	43.6
										P:RUS COAL	35,090,660	58,331.2
										Total		58,866.4

Title: Commission Case - True Up RealTime
Baseline (test)
Study Start: 04-01-2007 rDate: 11-13-2008
Study Stop: 03-30-2008 rTime: 14:13:03

Resource	Cap Fact	Generation	Total Cost	$/MWH	Heat Rate	Starts Cold	Starts Hot	Hours Out Full	Hours Out 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	17,240	323.1
										I:RUS COAL	17,240	28.7
										P:RUS COAL	42,689,990	70,963.6
										Total		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	6,782	127.1
										I:SI 80-20	45,384	80.4
										P:SI 80-20	26,919,330	47,711.8
										P:SI 60-40	1,295,018	2,295.3
										Total		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	7,895	148.0
										I:SI 80-20	52,839	93.7
										P:SI 80-20	32,860,020	58,241.1
										P:SI 60-40	1,439,179	2,550.8
										Total		61,033.5
U:VENICE CT2	0.020	9,058	847.76	93.59	10477	51	0	0	0	I:OIL MO	4,983	93.4
										P:GAS	94,902	754.4
										Total		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