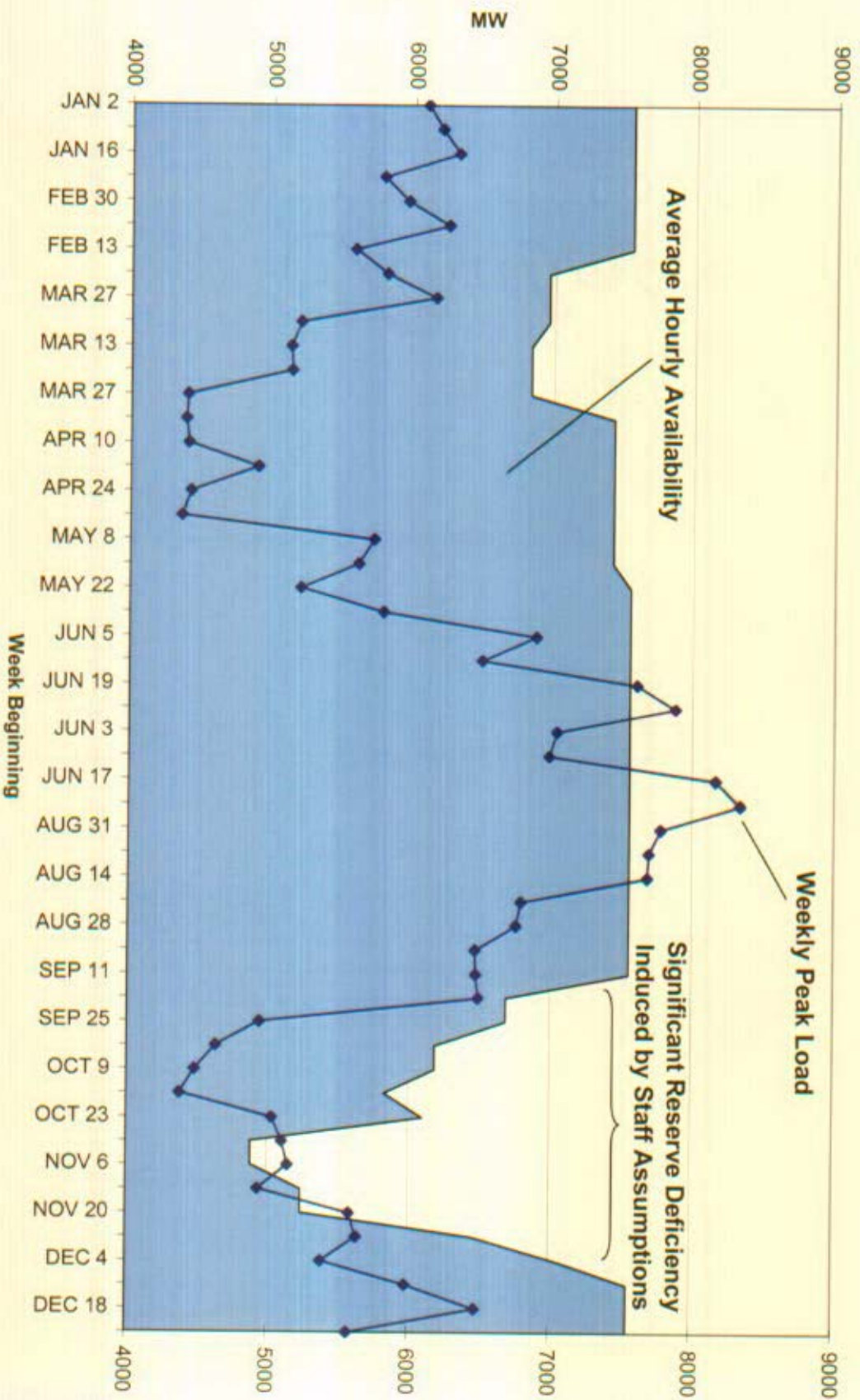


AmerenUE Available Resources under Staff's Planned Outage Assumptions



Staff Treatment of Callaway Outage

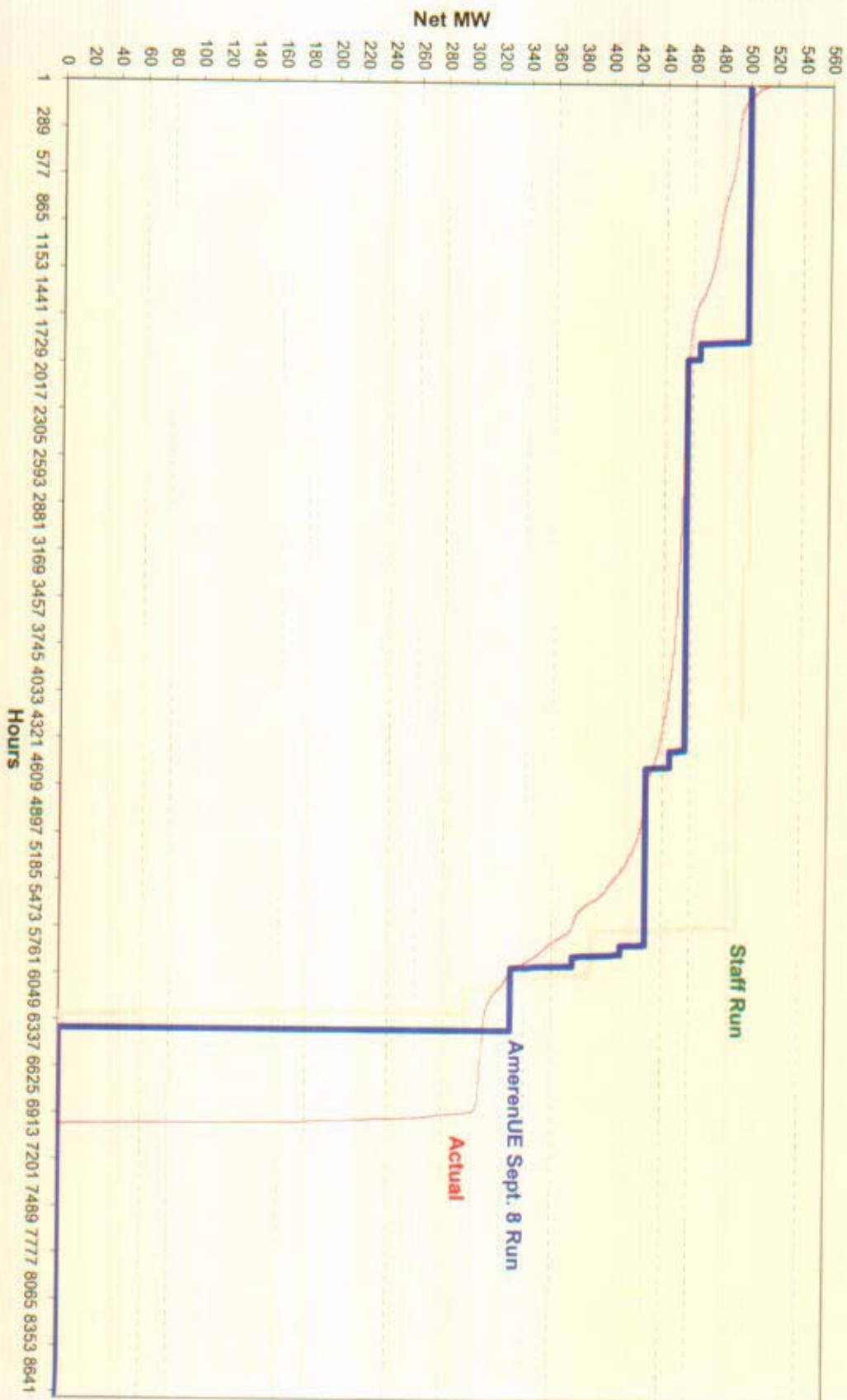
Source	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Callaway Forced Outage Hours	0	0	16	155	0	143	23	35	54	0	146	53	625
Unit Rating	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220
MMH Out	-	-	19,520	189,100	-	174,450	28,090	42,700	65,880	-	178,120	64,600	762,500
OSS PRICE	\$ 47.31	\$ 45.09	\$ 37.20	\$ 36.61	\$ 37.54	\$ 43.16	\$ 44.08	\$ 45.61	\$ 46.62	\$ 42.64	\$ 36.50	\$ 41.43	
\$ Impact	\$ -	\$ -	\$ 726,057	\$ 6,922,225	\$ -	\$ 7,530,010	\$ 1,230,995	\$ 1,947,724	\$ 3,071,089	\$ -	\$ 6,501,277	\$ 2,076,611	\$ 30,613,977

Proper Treatment of Callaway Outage

Source	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
Callaway Forced Outage Hours	56.8	56.8	56.8	56.8	57	56.8	56.8	56.8	56.8	0	56.8	56.8	625
Unit Rating	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220
MMH Out	69,318	69,318	69,318	69,318	69,318	69,318	69,318	69,318	69,318	-	69,318	69,318	792,500
OSS PRICE	\$ 47.31	\$ 45.09	\$ 37.20	\$ 36.61	\$ 37.54	\$ 43.16	\$ 44.08	\$ 45.61	\$ 46.62	\$ 42.64	\$ 36.50	\$ 41.43	
\$ Impact	\$ 3,279,225	\$ 3,125,476	\$ 2,576,329	\$ 2,537,472	\$ 2,602,163	\$ 2,991,898	\$ 3,055,792	\$ 3,161,809	\$ 3,231,965	\$ -	\$ 2,530,074	\$ 2,071,581	\$ 31,965,266

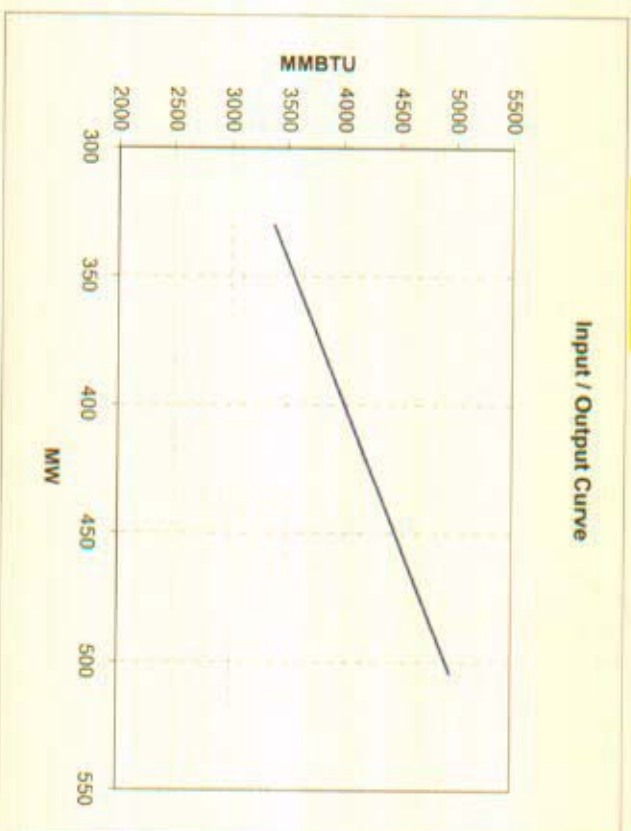
Impact of Timing of Callaway Forced Outages \$ 1,351,289

Modeled and Actual Sioux #1 Load Duration Curves



Operating Conditions under Various Sioux Coal Blends

Blend Description	PRB Share of Coal Burned	Maximum Capacity Given PRB Blend	Btu/lb Tons / hour	Fraction of Generation at Specified Blend
Off-Peak	100.0%	418	8,800	23.4%
Normal Operating	80.0%	452	9,460	71.5%
Premium	50.0%	504	10,450	5.1%
Average Blend =	83.2%			



ECONOMICS OF SIOUX COAL BLENDING ASSUMING LOW MARKET PRICES

Sioux Coal Blending Under Normal Operating Conditions									
Capacity Range									
452 MW 418 MW PRB 80% ILL 20%									
Expected Plant Profitability									
% PRB	MW	MMBTU	\$ / MMBtu	COST	MARKET PRICE	REVENUE	MARGIN		
80%	452	4,486	\$2.075	\$9,311	\$35.00	\$15,820	(Normal Blend) = \$6,509		
[1a]	[2a]	[3a]	[4a]	[5a]=[3a]x[4a]	[6a]	[7a]=[2a]x[6a]	[8a]=[7a]-[6a]		

Premium Sioux Coal Blend									
Capacity Range									
504 MW 452 MW 418 MW PRB 60% ILL 40%									
Expected Plant Profitability									
% PRB	MW	MMBTU	\$ / MMBtu	COST	MARKET PRICE	REVENUE	MARGIN		
60%	504	4,959	\$2.558	\$12,688	\$35.00	\$17,640	(Premium Blend) = \$4,952		
[1b]	[2b]	[3b]	[4b]	[5b]=[3b]x[4b]	[6b]	[7b]=[2b]x[6b]	[8b]=[7b]-[6b]		

ECONOMICS OF SIOUX COAL BLENDING ASSUMING HIGH MARKET PRICES

Sioux Coal Blending Under Normal Operating Conditions									
Capacity Range									
% PRB	MW	MMBTU	\$ / MMBtu	Expected Plant Profitability		COST	MARKET PRICE	REVENUE	
80%	452	4,486	\$2.075	[4a]	[5a]=[3a]x[4a]	\$9,311	\$67.00	\$30,284	
[1a]	[2a]	[3a]					[6a]	[7a]=[2a]x[6a]	
MARGIN (Normal Blend) = \$20,973									[8a]=[7a]-[6a]
Premium Sioux Coal Blend									
Capacity Range									
% PRB	MW	MMBTU	\$ / MMBtu	Expected Plant Profitability		COST	MARKET PRICE	REVENUE	
60%	504	4,959	\$2.558	[4b]	[5b]=[3b]x[4b]	\$12,688	\$67.00	\$33,768	
[1b]	[2b]	[3b]					[6b]	[7b]=[2b]x[6b]	
MARGIN (Premium Blend) = \$21,080									[8b]=[7b]-[6b]

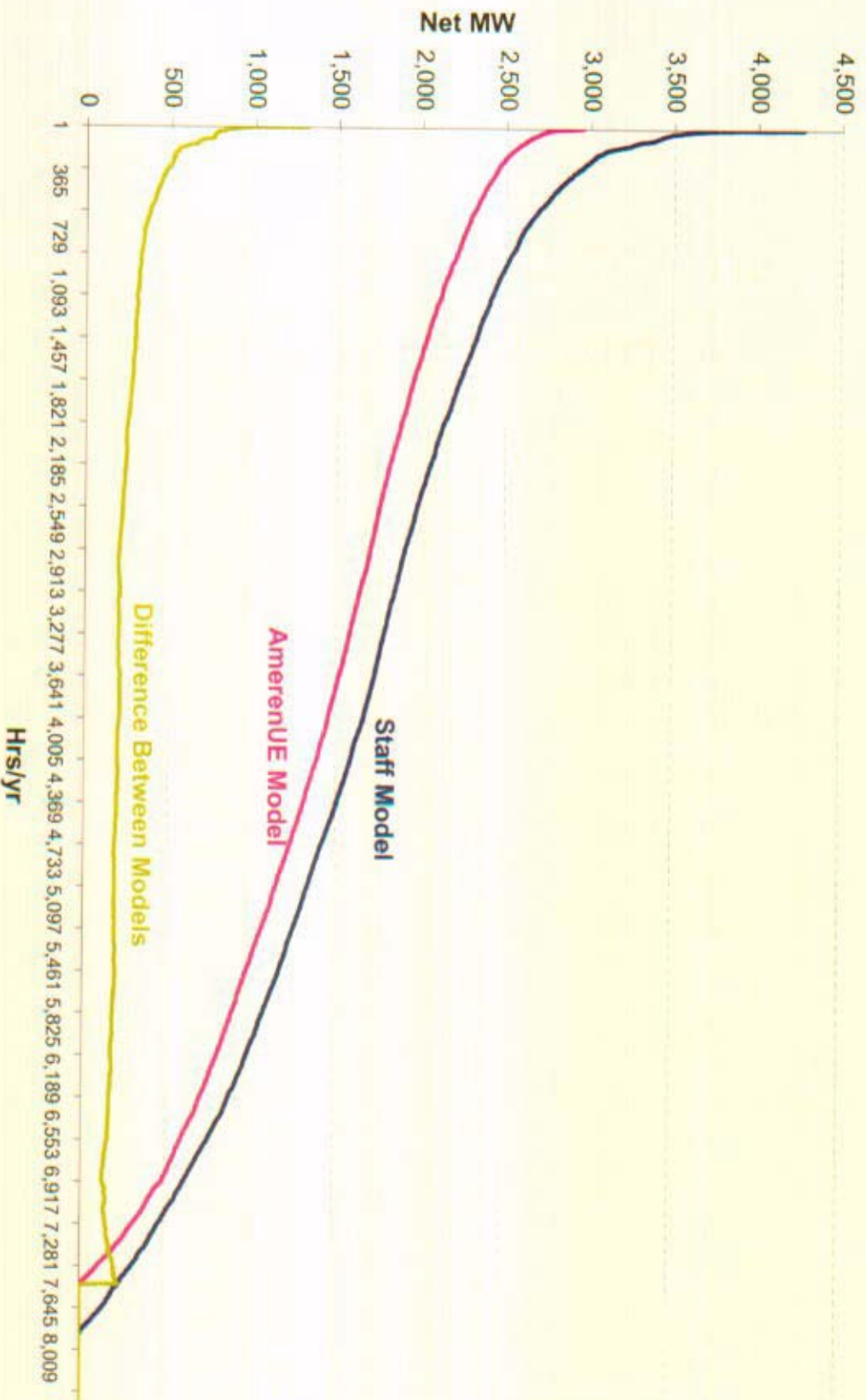
Support for Line Loss Ratio

	YEAR ENDING 30-Jun-06 ACTIVITY
TOTAL NET GENERATION	48,948,206
PURCHASED POWER	4,706,599
SALES FOR RESALE - INTERCHANGE	(13,221,180)
TOTAL OUTPUT FOR LOAD	40,433,625
NATIVE SALES OF ELECTRIC ENERGY	38,018,866
LINE LOSSES AND COMPANY USE	2,414,759
LINE LOSS RATIO	6.0%

Comparison of AmerenUE and Staff Production Cost Model Annual Equivalent Availability Factors (EAFs) and Outages

Annual Unit Equivalent Availability Factors							Annual MWH of Outages						
	Unit Rating	AmerenUE	Rahrer's Benchmark	Rahrer - UE Benchmark	Staffs Model	Staff - UE Model		AmerenUE	Rahrer's Benchmark	Rahrer - UE Benchmark	Staffs Model	Staff - UE	
Callaway	1,220.0	83.1	83.1	-	88.6	5.5		1,806,137	1,806,137	-	1,218,555	(587,582)	
Labadie 1	597.0	72.6	73.7	1.0	74.5	1.9		1,431,846	1,377,090	(54,756)	1,333,840	(98,006)	
Labadie 2	595.0	89.8	91.8	2.0	91.6	1.8		529,194	426,723	(102,472)	437,929	(91,265)	
Labadie 3	613.0	91.9	91.7	(0.1)	92.2	0.3		435,351	443,122	7,771	418,528	(16,823)	
Labadie 4	611.0	86.4	93.0	6.6	88.8	2.4		729,976	375,093	(354,883)	602,033	(127,943)	
Meramec 1	123.0	72.4	75.8	3.4	75.4	3.1		297,675	261,106	(36,569)	264,737	(32,938)	
Meramec 2	125.0	93.7	95.1	1.4	96.2	2.4		68,579	53,524	(15,056)	41,851	(26,728)	
Meramec 3	273.0	76.2	79.3	3.1	81.2	5.0		568,987	494,630	(74,357)	450,555	(118,432)	
Meramec 4	356.0	80.3	83.0	2.7	83.7	3.4		614,650	530,810	(83,840)	509,697	(104,952)	
Rush 1	593.0	74.4	78.0	3.6	77.6	3.2		1,328,130	1,140,544	(187,586)	1,161,530	(166,600)	
Rush 2	592.0	87.4	91.8	4.4	88.3	0.9		653,161	425,971	(227,189)	607,375	(45,786)	
Sioux 1	500.0	71.0	70.5	(0.6)	72.4	1.3		1,268,294	1,293,545	25,251	1,211,026	(57,268)	
Sioux 2	503.0	93.7	94.5	0.8	92.7	(1.0)		278,340	241,332	(37,008)	322,848	44,508	
Totals	6,701.0	82.9	84.9	1.9	85.4	2.4		10,010,321	8,869,627	(1,140,694)	8,580,505	(1,429,816)	

Staff vs. AmerenUE Off-System Sales Volumes



QUANTIFICATION OF STAFF'S ERRORS OR UNREASONABLE ASSUMPTIONS

<i>ERROR OR UNREASONABLE ASSUMPTION</i>	<i>DOLLAR IMPACT OF REDUCED REVENUE REQUIREMENT</i>
Planned Outage Assumptions	\$ 3,485,000
Forced Outage Assumptions	\$ 1,351,000
Sioux Coal Blending	\$ 11,671,667
Synchronization of Loads and Prices	\$ 7,557,000
Line Losses	\$ 24,104,959
Availability Rates	\$ 23,203,529
Off-System Sales Volumes	\$ 1,056,625
Forward Price Curve	\$ 49,644,066
EEInc.	\$ 78,641,939
Off System Margin Calculation Error (THIS HAS NO IMPACT ON ACTUAL CASE)	\$ 10,000,000
Cost Error in Rahrer Benchmarking Run	\$ 9,000,000