



Aquila

7101 Mercy Road
Suite 400
Omaha, NE 68106

October 21, 2002

Mr. Dale Hardy Roberts, Secretary/Chief Regulatory Law Judge
Missouri Public Service Commission
200 Madison St
Jefferson City, MO 65102

FILED³

OCT 22 2002

**Missouri Public
Service Commission**

RE: Case No. GR-2002-392

Dear Mr. Roberts:

Enclosed are an original and two copies of PSC MO. No. 5, 25th Revised Sheet No. 43, 28th Revised Sheet No. 44 and 19th Revised Sheet No. 44.1 reflecting a change in the Purchased Gas Adjustment, Actual Cost Adjustment, Refund Factor and Deferred Carrying Cost Balance of the Missouri Public Service Purchased Gas Adjustment Clause.

The Purchased Gas Adjustment Clause for Aquila Inc., d/b/a Aquila Networks - Missouri Public Service (MPS) requires an annual actual cost adjustment for the over recovery or under recovery resulting from the operation of the Regular Purchased Gas Adjustment section of the Purchased Gas Adjustment Clause and a calculation of the Winter Period Purchased Gas Adjustment. Reconciliations for the Refund Factors and Deferred Carrying Cost Balance are also required.

Purchased Gas Adjustment

Enclosures 1, 2 and 3 reflect the Purchased Gas Adjustment (PGA) calculations for the Southern System, Northern System and Eastern System. Each PGA has been developed using the October 2002 FERC index, fixed gas cost and storage for the months of November 2002 through March 2003. The tariff rate changes for the Southern System are based on the Williams Gas Pipelines Central, Inc. filings of their FERC Gas Tariffs, Twelfth Revised Sheet No. 6, Twentieth Revised Sheet No. 6A and Fourth Revised Sheet No. 6B. The tariff rate changes for the Northern System and Eastern System are based on the Panhandle Eastern Pipe Line Company filings of their FERC Gas Tariffs, Sixty-Sixth Revised Sheet No. 5, Sixty-Ninth Revised Sheet No. 7, Fourteenth Revised Sheet No. 11 and Twenty-Seventh Revised Sheet No. 19.

Actual Cost Adjustment

Enclosed as Enclosure 4 are minimum filing requirement schedules that are the basis of the Actual Cost Adjustment portion of this filing. Schedule 4 of Enclosure 4 is a summary showing revenue, purchased gas costs, and over or under recovery for the year ended August 2002 and the proposed changes in the ACA rates to be effective November 5, 2002. Detailed supporting workpapers are available for the Commission Staff audit.

The summary schedule shows that revenue recovery was less than purchased gas cost in the amount of \$939,833.88 for the Southern System, greater than purchased gas cost in the amount of \$55,532.29 for the Northern System and greater than purchased gas cost in the amount of \$8,916.89, which includes a deferral of \$290,899.66 for the Eastern System. Total revenue recovery was \$973,750.97 less than purchased gas cost.

Missouri Public Service has filed a waiver requesting a variance from the provision of its tariff that requires the recovery of the ACA balance over a one-year period. MPS is in final year of a three-year period for recovery of the Eastern System's 1998-1999 ACA over a three year period.

Southern System Refund Factor

Enclosed as Enclosure 5 is a summary schedule detailing the activity for the refund factor under the Southern System. MPS received two refunds from Williams Gas Pipelines Central, Inc. On January 31, 2002 a refund in the amount of \$41,440.66 relating to Federal Energy Regulatory Commission (FERC) Docket No. RP93-109 was received. On January 18, 2002 a refund for \$228.12 relating to Docket No. RP95-136 was received. Interest has been calculated by MPS at the annual rate of six percent from the date the refunds were received by MPS until six months after the refund rate is scheduled to be in effect in accordance with our Purchased Gas Adjustment Clause. Missouri Public Service has proposed to roll the under recovery of the refund into the 191110 account as shown on Enclosure 5.

Northern System Refund Factor

Enclosed as Enclosure 6 is a summary schedule that details the activity for the refund factor under the Northern System. MPS has received one refund from CMS Energy. On December 17, 2001 a refund in the amount of \$6,962.09 relating to Federal Energy Regulatory Commission (FERC) Docket No. RP98-40 was received. Interest has been calculated by MPS at the annual rate of six percent from the date the refunds were received by MPS until six months after the refund rate is scheduled to be in effect in accordance with our Purchased Gas Adjustment Clause. Missouri Public Service has determined a new refund factor for the Northern System.

Deferred Carrying Cost Balance

Enclosures 7, 8 and 9 reflect the Deferred Carrying Cost Balances for the Southern System, Northern System and Eastern System. Carrying costs are calculated on all Deferred Carrying Cost Balances that exceed ten percent of an average annual gas cost threshold. This results in carrying costs collected from the customer in the amount of \$0.00 for the Southern System, \$0.00 for the Northern System, and \$3,829.00 for the Eastern System.

Enclosed as Enclosures 10, 11 and 12 are the Prior Period Adjustment Summaries for the Southern, Northern and Eastern Systems.

Enclosures 13, 14 and 15 reflect the seasonal revenue impact associated with the gas cost recovery portion of the rates. The seasonal revenue impact results in a decrease in the amount of \$4,278,748 or 23.11% for the Southern System, a decrease in the amount of \$1,857,830 or 25.36% for the Northern System and a decrease in the amount of \$469,236 or 18.31% for the Eastern System.

Missouri Public Service respectfully requests that these rates become effective with volumes taken on and after November 5, 2002

Sincerely,

A handwritten signature in black ink that reads "Amy Winkler". The signature is written in a cursive, flowing style.

Amy Winkler
Regulatory Analyst

Enclosures

cc: Office of the Public Counsel (2)

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION

P.S.C. MO. No.	<u>5</u>	<u>25th</u>	(Original)	SHEET NO.	<u>43</u>
			(Revised)		
Cancelling P.S.C. MO. No.	<u>5</u>	<u>24th</u>	(Original)	SHEET NO.	<u>43</u>
			(Revised)		

Aquila Inc., d/b/a Aquila Networks - MISSOURI PUBLIC SERVICE
KANSAS CITY, MO 64138

FOR: Southern System

PURCHASED GAS ADJUSTMENT CLAUSE (CONTINUED)
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Adjustment Statement (Southern System)

As provided in this Purchased Gas Adjustment Clause, the following adjustment(s) will be made to the applicable rate schedules:

	Rate Schedule <u>GNG</u>	Rate Schedule <u>LVF</u>	Rate Schedule <u>LVI</u>
Regular PGA	\$.47867	\$.47867	\$.43768
Actual Cost Adjustment	\$.02458	\$.02458	\$(-.00777)
Refunds	\$ -0-	\$ -0-	\$ -0-
TOP Factor	\$ -0-	\$ -0-	\$ -0-
TC Factor	\$ -0-	\$ -0-	\$ -0-
Total PGA Per Ccf	\$.50325	\$.50325	\$.42991

The TOP and TC Factors, as provided in Sheets 39 through 40, shall also apply to all Ccf delivered to transportation customers on Missouri Public Service's Southern System except as provided for on Sheet No. 20.

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION

P.S.C. MO. No.	<u>5</u>	<u>28th</u>	(Original)	SHEET NO.	<u>44</u>
			(Revised)		
Cancelling P.S.C. MO. No.	<u>5</u>	<u>27th</u>	(Original)	SHEET NO.	<u>44</u>
			(Revised)		

Aquila Inc., d/b/a Aquila Networks - MISSOURI PUBLIC SERVICE
KANSAS CITY, MO 64138

FOR: Northern System

PURCHASED GAS ADJUSTMENT CLAUSE (CONTINUED)
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Adjustment Statement (Northern System)

As provided in this Purchased Gas Adjustment Clause, the following adjustment(s) will be made to the applicable rate schedules:

	Rate Schedule <u>GNG</u>	Rate Schedule <u>LVF</u>	Rate Schedule <u>LVI</u>
Regular PGA	\$ 50596	\$.50596	\$.39847
Actual Cost Adjustment	\$ (.00378)	\$ (.00378)	\$ -0-
Refunds	\$.00084	\$.00084	\$ -0-
TOP Factor	\$ -0-	\$ -0-	\$ -0-
TC Factor	\$ -0-	\$ -0-	\$ -0-
Total PGA Per Ccf	\$.50302	\$.50302	\$.39847

The TOP and TC Factors, as provided in Sheets 39 through 40, shall also apply to all Ccf delivered to transportation customers on Missouri Public Service's Northern System except as provided for on Sheet No. 20.

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION

P.S.C. MO. No.	<u>5</u>	<u>19th</u>	(Original)	SHEET NO.	<u>44.1</u>
			(Revised)		
Cancelling P.S.C. MO. No.	<u>5</u>	<u>18th</u>	(Original)	SHEET NO.	<u>44.1</u>
			(Revised)		

Aquila Inc., d/b/a Aquila Networks - MISSOURI PUBLIC SERVICE
KANSAS CITY, MO 64138

FOR: Eastern System

PURCHASED GAS ADJUSTMENT CLAUSE (CONTINUED)
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Adjustment Statement (Eastern System)

As provided in this Purchased Gas Adjustment Clause, the following adjustment(s) will be made to the applicable rate schedules:

	Rate Schedule <u>GNG</u>	Rate Schedule <u>LVF</u>	Rate Schedule <u>LVI</u>
Regular PGA	\$.88368	\$.88368	\$.67785
Actual Cost Adjustment	\$ (.00134)	\$ (.00134)	\$ -0-
Refunds	\$ -0-	\$ -0-	\$ -0-
TOP Factor	\$ -0-	\$ -0-	\$ -0-
TC Factor	\$ -0-	\$ -0-	\$ -0-
Total PGA Per Ccf	\$.88234	\$.88234	\$.67785

The TOP and TC Factors, as provided in Sheets 39 through 40, shall also apply to all Ccf delivered to transportation customers on Missouri Public Service's Eastern System except as provided for on Sheet No. 20.

MISSOURI PUBLIC SERVICE
Southern System Annualized Gas Cost Calculation
To Reflect Current WNG & Spot Market Rates

Enclosure 1

Page 1 of 4

FIRM	Annual Volume	Monthly Capacity Reserved	No. of Mth Reserved	Tariff Rate	Annual Cost
<u>Williams Natural Gas</u>					
TSS					
No-Notice Fee		39,618	12	\$0.0154	\$7,321
Reservation - FSS Deliverability		25,412	12	\$0.5001	\$152,502
Reservation - FTS-Production		13,841	12	\$5.6118	\$932,075
Reservation - FTS-Market		39,618	12	\$2.8014	\$1,331,830
GRI		39,618	12	\$0.0660	\$31,377
FTS					
Production - Reservation		11,845	12	\$5.6118	\$797,661
Production - Balancing		11,845	12	\$0.1604	\$22,799
Market - Reservation		10,491	12	\$2.8014	\$352,674
Market - Balancing		10,491	12	\$0.1604	\$20,193
Market - GRI		10,491	12	\$0.0660	\$8,309
GSR Costs					\$77,692
Spot Market Purchases	3,896,019			\$3.7386	\$14,565,657
Total Annual Cost					<u>\$18,300,090</u>
Sales Volume at Burnertip	3,823,123				
Cost per MCF at Burnertip					<u>\$4.7867</u>

Highest WACOG (Winter Period)	Nov 99 - Mar 00	Nov 00 - Mar 01	Nov 01 - Mar 02	Average WACOG
	\$2.6331	\$8.8701	\$3.2725	\$4.9252
Highest Avg WACOG-Winter Period (Avg of winter seasons with the highest of 3 averages)				\$6.8977
				November 2002 Gas Commodity Costs
				\$3.4325

INTERRUPTIBLE				
<u>Williams Natural Gas</u>				
ITS-P				@150%
Commodity	126,363		\$0.3068	\$38,762
ITS-M				@150%
Commodity	125,491		\$0.1587	\$19,915
Spot Market Price Per MCF	128,470		\$3.7386	\$480,297
Total Annual Cost				<u>\$538,974</u>
Sales Volume at Burnertip	123,143			
Cost per MCF at Burnertip				<u>\$4.3768</u>

MISSOURI PUBLIC SERVICE - SOUTHERN SYSTEM
Enclosure 1
Gas Cost Inputs

Page 2 of 4

MPS Line Loss	1.871%
Annual Burnertip Sales	3,946,266

WNG Rates
Firm Rates
TSS

No-Notice Fee	\$0.0154
Reservation - FSS Deliverability	\$0.5001
Reservation - FSS Capacity	\$0.0285
Reservation - FTS-P	\$5.6118
Reservation - FTS-M	\$2.8014
GRI	\$0.0660

FTS

Production - Reservation	\$5.6118
Production - Balancing	\$0.1604
Market - Reservation	\$2.8014
Market - Balancing	\$0.1604
Market - GRI	\$0.0660

Production

Commodity - FTS-P	\$0.0124
GRI Funding Unit - Commodity - Others	\$0.0055
FERC Annual Charge Adjustment	<u>\$0.0021</u>
Production Field Zone	\$0.0200

Commodity - FTS-M	\$0.0061
GRI Funding Unit - Commodity - Others	\$0.0055
FERC Annual Charge Adjustment	<u>\$0.0021</u>
Market Zone	\$0.0137

Injection/Withdrawal - FSS	\$0.0122
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Interruptible Rates
ITS-P

Commodity-Winter	\$0.1969
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ITS-M

Commodity-Winter	\$0.0982
GRI Funding Unit - Commodity - Others	\$0.0055
FERC Annual Charge Adjustment	\$0.0021

WNG Production Area Loss	1.64%
WNG Market Area Loss	0.69%
WNG Storage Loss	0.81%

Note: From FERC Gas Tariff: Twelfth Revised Sheet No. 6 Effective 11/1/01, Twentieth Revised Sheet No. 6A Effective 01/1/02, and Fourth Revised Sheet No. 6B Effective 1/1/02.

Calculated Inputs

	<u>Firm</u>	<u>Storage</u>	Total <u>Firm</u>	<u>Interruptible</u>	Total <u>System</u>
Annual Throughput at Burnertip Per GR-93-172	2,796,691	1,026,432	3,823,123	123,143	3,946,266
Annual Throughput at Citygate	2,850,016	1,046,003	3,896,019	125,491	4,021,508
Annual Throughput at Production Area	2,868,541	1,054,545	3,923,086	126,363	4,049,449
Annual Throughput at Wellhead	2,916,369	1,072,128	3,988,497	128,470	4,116,967

Missouri Public Service
Division of UtiliCorp United Inc.
Southern System
Current Gas Cost Calculation

Enclosure 1

Page 3 of 4

	<u>Nov-02</u>	<u>Dec-02</u>	<u>Jan-03</u>	<u>Feb-03</u>	<u>Mar-03</u>	<u>Totals</u>
SUMMARY OF COMMODITY COSTS						
Sales Requirements	226,707	569,528	626,589	513,540	512,578	2,448,942
WNG Market Area Loss	0.69%	0.69%	0.69%	0.69%	0.69%	
WNG Production Area Loss	1.64%	1.64%	1.64%	1.64%	1.64%	
Total Supply - Fuel Loss	232,088	583,047	641,462	525,730	524,745	

Storage Injection						0
Storage Injection Loss	<u>0.81%</u>	<u>0.81%</u>	<u>0.81%</u>	<u>0.81%</u>	<u>0.81%</u>	
Total Storage - Fuel Loss	0	0	0	0	0	

(Storage injection is noted on spreadsheet but not included in commodity cost calculation because MPS does not pay for storage until it is withdrawn in the winter months.)

Purchase Requirements	232,088	583,047	641,462	525,730	524,745	2,507,072
Contracted Fixed Price Supply	170,438	176,119	176,119	159,075	176,119	857,869
Contracted Price	\$ 3.6627	\$ 3.6627	\$ 3.6627	\$ 3.6627	\$ 3.6627	
Total Cost	\$ 624,261	\$ 645,070	\$ 645,070	\$ 582,644	\$ 645,070	3,142,115

(Contracted Fixed Price Supply only applies in the winter months.)

Total Supply	0	197,279	255,694	157,006	243,801	853,781
Forecasted Price (NYMEX-WNG Basis)*	\$ 4.077	\$ 4.272	\$ 4.342	\$ 4.194	\$ 4.029	
Total Cost	\$ -	\$ 842,777	\$ 1,110,224	\$ 658,483	\$ 982,275	\$ 3,593,759

Storage Withdrawal	104,825	209,649	209,649	209,649	104,825	838,597
Storage WACOG	\$ 3.2371	\$ 3.2371	\$ 3.2371	\$ 3.2371	\$ 3.2371	
Total Cost	\$ 339,329	\$ 678,655	\$ 678,655	\$ 678,655	\$ 339,329	\$ 2,714,623

<u>Forecasted Gas Commodity Cost</u>	963,590	2,166,502	2,433,949	1,919,782	1,966,674	9,450,497
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<u>Forecasted Sales Gas Quantity</u>	275,263	583,047	641,462	525,730	524,745	2,550,247
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<u>Gas Cost (Commodity) Dth</u>						\$3.7057
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SUMMARY OF UPSTREAM COSTS

Williams Natural Gas Pipeline - Firm

FT Commodity (Production Area)	232,088	583,047	641,462	525,730	524,745	
FT Commodity (Market Area)	<u>228,282</u>	<u>573,485</u>	<u>630,943</u>	<u>517,108</u>	<u>516,139</u>	
Total Units	460,370	1,156,532	1,272,405	1,042,838	1,040,884	4,973,029

Cost/Dth - Production Area	\$0.0200	\$0.0200	\$0.0200	\$0.0200	\$0.0200	
Cost/Dth - Market Area	<u>\$0.0137</u>	<u>\$0.0137</u>	<u>\$0.0137</u>	<u>\$0.0137</u>	<u>\$0.0137</u>	
Total WNG Commodity Costs	\$7,769	\$19,518	\$21,473	\$17,599	\$17,566	\$83,925

<u>Forecasted Northern Upstream Costs</u>	7,769	19,518	21,473	17,599	17,566	83,925
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<u>Forecasted Firm Sales Quantity</u>	275,263	583,047	641,462	525,730	524,745	2,550,247
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<u>Upstream Cost/Dth</u>						\$0.0329
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\$ 3.7386

Missouri Public Service
Division of UtiliCorp United Inc.
Southern System
Gas Commodity Cost Calculation

Enclosure 1

Page 4 of 4

INSIDE FERC OCT 2002	\$	3.32	
WNG Market Area Loss		0.69%	
WNG Production Area Loss		<u>1.64%</u>	
WNG Index Adjusted for Fuel	\$	3.3988	
WNG Cost/Dth Field Zone		\$0.0200	
WNG Cost/Dth - Market Zone		<u>\$0.0137</u>	
		\$3.4325	
Total Gas Commodity Costs		<table border="1"><tr><td>\$3.4325</td></tr></table>	\$3.4325
\$3.4325			

MISSOURI PUBLIC SERVICE
Northern System Annualized Gas Cost Calculation
To Reflect Current PEPL & Spot Market Rates

Enclosure 2

Page 1 of 4

FIRM	Annual Volume	Monthly Capacity Reserved	No. Of Mth Reserved	Tariff/ Contracted Rate	Annual Cost
<u>Panhandle Eastern Pipe Line</u>					
Contract 17005					
EFT Reservation Rates					
Field Zone Reservation		18,000	5	\$4.1673	\$375,057
Market Zone Access		18,000	5	\$2.8994	\$260,944
Market Zone Mileage		18,000	5	\$1.5960	\$143,639
Field Zone Reservation		10,000	7	\$4.1673	\$291,711
Market Zone Access		10,000	7	\$2.8994	\$202,956
Market Zone Mileage		10,000	7	\$1.5960	\$111,719
					\$0
					\$0
Contract 17004					
FS Storage	800,000			\$0.4028	\$322,240
					\$234,500
					\$204,015
Spot Market Purchases	1,521,875			\$3.4725	\$5,284,711
Total Annual Cost					<u>\$7,431,492</u>
Sales Volume at Burnertip	1,468,777				
Cost per MCF at Burnertip					<u>\$5.0596</u>

Highest WACOG (Winter Period)	Nov 99 - Mar 00	Nov 00 - Mar 01	Nov 01 - Mar 02	Average WACOG
	\$2.3949	\$6.2412	\$4.5540	\$2.8787
Highest Avg WACOG-Winter Period (Avg of winter seasons with the highest 3 averages)				\$4.5600
				November 2002 Gas Commodity Costs
				\$3.4812

INTERRUPTIBLE					
<u>Panhandle Eastern Pipe Line</u>					
IT Interruptible Rates				@150%	
Field Zone				\$0.2615	\$0.2615
Market Zone Access				\$0.1376	\$0.1376
Market Zone Mileage				\$0.0999	\$0.0999
GRI Funding Unit				\$0.0105	\$0.0105
ACA Unit Charge				\$0.0033	\$0.0033
TOP Volumetric Surcharge				\$0.0000	\$0.0000
Settlement Surcharges				(\$0.0005)	(\$0.0005)
Canadian Resolution Surcharges				\$0.0000	\$0.0000
Stranded Transportation Cost Surcharge				\$0.0000	\$0.0000
Miscellaneous Stranded Costs Surcharge				\$0.0000	(\$0.0000)
Spot Market Price Per MCF	\$3.4725				\$3.4725
Total Annual Cost					<u>\$3.9847</u>
Sales Volume at Burnertip					
Cost per MCF at Burnertip					<u>\$3.9847</u>

MISSOURI PUBLIC SERVICE - NORTHERN SYSTEM
Enclosure 2
Gas Cost Inputs

Page 2 of 4

MPS Line Loss	3.489%	
Annual Burnertip Sales	1,468,777	
	Tariff	Contract
		17005
PEPL Rates	Rate	Discount Rate
<u>PEPL EFT Reservation Rates</u>		
Field Zone Reservation	\$4.7000	\$4.1673
Market Zone Access	\$3.2700	\$2.8994
Market Zone Mileage 201-300 Block	\$1.8000	\$1.5960
GRI Funding Unit	\$0.0900	
Settlement Surcharges	\$0.0000	
Canadian Resolution Surcharges	\$0.0000	
GSR Surcharge	\$0.0000	
Stranded Transportation Cost Surcharge	\$0.0000	
Miscellaneous Stranded Costs Surcharge	\$0.0000	
<u>PEPL EFT Commodity Rates</u>		
Field Zone Commodity	\$0.0213	
Market Zone Access	\$0.0024	
Market Zone Mileage	\$0.0075	
GRI Funding Unit	\$0.0000	
ACA Unit Charge	\$0.0021	
TOP Volumetric Surcharge	\$0.0000	
Settlement Surcharges	(\$0.0003)	
Total Market Zone Commodity	\$0.0117	
<u>PEPL IT Interruptible Rates</u>		
Field Zone	\$0.1743	
Market Zone Access	\$0.0917	
Market Zone Mileage	\$0.0666	
GRI Funding Unit	\$0.0070	
ACA Unit Charge	\$0.0022	
TOP Volumetric Surcharge	\$0.0000	
Settlement Surcharges	(\$0.0003)	
Canadian Resolution Surcharges	\$0.0000	
Stranded Transportation Cost Surcharge	\$0.0000	
Miscellaneous Stranded Costs Surcharge	\$0.0000	
<u>PEPL Storage Rates</u>		
Deliverability Charge	\$3.3500	
Capacity Charge	\$0.4028	
PEPL Gathering Loss	0.69%	
PEPL Field Zone Loss	1.13%	
PEPL Market Zone Loss	1.35%	
PEPL Storage Injection Loss	1.26%	
PEPL Storage Withdrawal Loss	0.23%	

Seasonal Sales Volume @ Burnertip	
Jan	288,860
Feb	265,604
Mar	194,613
Apr	117,502
May	64,871
Jun	44,063
Jul	34,272
Aug	33,047
Sep	36,719
Oct	51,407
Nov	118,726
Dec	219,093
	<u>1,468,777</u>

Note: From FERC Gas Tariff: PEPL Sixth-Sixth Revised Sheet No. 5 Effective 05/1/02, Sixty-Ninth Revised Sheet No. 7 Effective 05/1/02, Fourteenth Revised Sheet No. 11 Effective 11/01/01 and Twenty-Seventh Revised Sheet No. 19 Effective 10/01/01.

<u>Calculated Inputs</u>	<u>Firm</u>	<u>Storage</u>	<u>Total</u>	<u>Interruptible</u>	<u>Total</u>
			<u>Firm</u>		
Annual Throughput at Burnertip Per GR-93-172	886,877	581,900	1,468,777	0	1,468,777
Annual Throughput at Citygate	918,939	602,936	1,521,875	0	1,521,875
Annual Throughput at Havenpool	931,514	612,596	1,544,110	0	1,544,110
Annual Throughput at Wellhead	942,161	627,504	1,569,665	0	1,569,665

Current Gas Cost Calculation

	<u>Nov-01</u>	<u>Dec-01</u>	<u>Jan-02</u>	<u>Feb-02</u>	<u>Mar-02</u>	<u>Totals</u>
SUMMARY OF COMMODITY COSTS						
Sales Requirements	88,568	187,118	214,781	183,031	171,055	844,553
PEPL Market Zone Fuel Loss	1.35%	1.35%	1.35%	1.35%	1.35%	
PEPL Field Zone Fuel Loss	1.13%	1.13%	1.13%	1.13%	1.13%	
Gathering Fuel Loss	0.69%	0.69%	0.69%	0.69%	0.69%	
Total Supply - Fuel Loss	91,437	193,179	221,739	188,960	176,596	
Storage Injection						0
Storage Injection Loss	1.26%	1.26%	1.26%	1.26%	1.26%	
Total Storage - Fuel Loss	0	0	0	0	0	
(Storage injection is noted on spreadsheet but not included in commodity cost calculation because MPS does not pay for storage until it is withdrawn in the winter months.)						
Purchase Requirements	91,437	193,179	221,739	188,960	176,596	871,911
Total Supply	0	0	21,739	0	76,596	98,335
Forecasted Price (NYMEX-PEPL Basis)	\$ 4.0770	\$ 4.2720	\$ 4.3420	\$ 4.1940	\$ 4.0290	
Total Cost	\$ -	\$ -	\$ 94,391	\$ -	\$ 308,605	402,996
Storage Withdrawal (17007)	100,000	200,000	200,000	200,000	100,000	800,000
Storage WACOG (17007)	\$ 3.3600	\$ 3.3600	\$ 3.3600	\$ 3.3600	\$ 3.3600	
Total Cost	\$ 336,000	\$ 672,000	\$ 672,000	\$ 672,000	\$ 336,000	\$ 2,688,000
<u>Forecasted Gas Commodity Cost</u>	336,000	672,000	766,391	672,000	644,605	3,090,996
<u>Forecasted Sales Gas Quantity</u>	100,000	200,000	221,739	200,000	176,596	898,335
<u>Gas Cost (Commodity) Dth</u>						\$3.4408
SUMMARY OF UPSTREAM COSTS						
Panhandle Eastern Pipeline - Firm						
FT Commodity (Field Zone)	90,806	191,847	220,209	187,656	175,378	
FT Commodity (Market Zone)	89,780	189,679	217,720	185,536	173,396	
Total Units	180,586	381,526	437,929	373,192	348,774	1,722,007
Cost/Dth - Field Zone	\$0.0213	\$0.0213	\$0.0213	\$0.0213	\$0.0213	
Cost/Dth - Market Zone	\$0.0117	\$0.0117	\$0.0117	\$0.0117	\$0.0117	
Total Panhandle Commodity Costs	\$2,985	\$6,306	\$7,238	\$6,168	\$5,764	28,460
<u>Forecasted Northern Upstream Costs</u>	2,985	6,306	7,238	6,168	5,764	28,460
<u>Forecasted Firm Sales Quantity</u>	100,000	200,000	221,739	200,000	176,596	898,335
<u>Upstream Cost/Dth</u>						\$0.0317
Wellhead Cost of Gas						\$ 3.4725

Missouri Public Service
Division of UtiliCorp United Inc.
Northern System
Gas Commodity Cost Calculation

Enclosure 2

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INSIDE FERC OCTOBER 02	\$3.34	
PEPL Market Zone Fuel Loss	1.35%	
PEPL Field Zone Fuel Loss	1.13%	
Gathering Fuel Loss	<u>0.69%</u>	
PEPL Index Adjusted for Fuel	\$ 3.4482	
PEPL Cost/Dth Field Zone	\$0.0213	
PEPL Cost/Dth - Market Zone	<u>\$0.0117</u>	
	\$3.4812	
Total Gas Commodity Costs	<table border="1"><tr><td>\$3.4812</td></tr></table>	\$3.4812
\$3.4812		

MISSOURI PUBLIC SERVICE
**Eastern System Annualized Gas Cost Calculation
To Reflect Current PEPL & Spot Market Rates**
Enclosure 3

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FIRM	Annual/ Seasonal Volume	Monthly Capacity Reserved	No. of Mths Reserved	Tariff Rate	Annual Cost
Panhandle Eastern Pipe Line					
Winter (Nov-Mar)					
FT Reservation (Field Zone)		5,200	5	\$4.7300	\$122,980
FT Reservation (Market Zone)		5,200	5	\$5.7660	\$149,916
					<u>\$272,896</u>
Winter Sales Volume at Burnertip	273,300				
Winter Cost per MCF at Burnertip					\$0.9985
Summer (Apr-Oct) Volumetric Rate					
100% LF of Max Rate (Fld-4 Blks)					\$0.3451
Summer Cost per MCF at Burnertip					\$0.3451
Missouri Pipeline Company					
Rolla					
FT Reservation		2,939	12	\$4.3181	\$152,291
Salem					
FT Reservation		2,500	12	\$1.2500	\$37,500
Owensville					
FT Reservation		1,900	12	\$4.3181	\$98,453
Missouri Gas Company					
Rolla					
FT Reservation		2,939	12	\$7.2500	\$255,693
Salem					
FT Reservation		2,500	12	\$13.1700	\$395,100
Owensville					
FT Reservation		1,900	12	\$13.1766	\$300,426
Total Eastern System MoPipe & MoGas Costs					<u>\$1,239,463</u>
Spot Market Purchases	380,336			\$4.5532	\$1,731,747
Total Eastern System Costs					<u>\$2,971,210</u>
Sales Volume at Burnertip	<u>379,066</u>				
Cost per MCF at Burnertip					\$7.8382
Winter PGA					
Total Cost per MCF at Burnertip					\$8.8368
Highest WACOG (Winter Period)		Nov 99 - Mar 00	Nov 00 - Mar 01	Nov 01 - Mar 02	Average WACOG
		\$2.6531	\$7.0924	\$2.6655	\$4.1370
Highest Avg WACOG-Winter Period (Avg of winter seasons with the highest of 3 averages)					\$5.6147
					November 2002 Gas Commodity Costs
					\$4.0849
INTERRUPTIBLE					
Panhandle Eastern Pipe Line					
IT (Field Zone)	\$0.1750		@ 150%		\$0.2625
IT (Market Zone)	\$0.1885		@ 150%		\$0.2827
Missouri Pipeline Company					
Commodity	\$0.3036				\$0.3036
Missouri Gas Company					
Commodity	\$1.3765				\$1.3765
Spot Market Price Per MCF	\$4.5532				\$4.5532
Cost per MCF at Burnertip					\$6.7785

Gas Cost Inputs

MPS Line Loss	0.334%
MoGas/MoPipe Line Loss	0.43%

PEPL RATESPEPL EFT Reservation Rates

Field Zone Reservation	\$4.73
Market Zone Access	\$3.30
Market Zone Mileage 301-400 Block	\$2.40
GRI Funding Unit	\$0.0660
Settlement Surcharges	\$0.0000
Canadian Resolution Surcharges	\$0.0000
GSR Surcharge	\$0.0000
Stranded Transportation Cost Surcharge	\$0.0000
Miscellaneous Stranded Costs Surcharge	\$0.0000

PEPL Interruptible Rates

Field Zone	\$0.1750
Market Zone Access	\$0.0924
Market Zone Mileage	\$0.0888
GRI Funding Unit	\$0.0055
ACA Unit Charge	\$0.0021
TOP Volumetric Surcharge	\$0.0000
Settlement Surcharges	(\$0.0003)
Canadian Resolution Surcharges	\$0.0000
Stranded Transportation Cost Surcharge	\$0.0000
Miscellaneous Stranded Costs Surcharge	\$0.0000

PEPL Gathering Loss	0.69%
PEPL Field Zone Loss	1.18%
PEPL Market Zone Loss	1.80%

PEPL EFT Commodity Rates

Market Zone Access	\$0.0006
Market Zone Mileage 301-400	\$0.0100
GRI Funding Unit	\$0.0055
ACA Unit Charge	\$0.0021
TOP	\$0.0000
Settlement Charges	(\$0.0003)

EFT Commodity Rates	\$0.0179
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Field Zone Commodity	<u>\$0.0195</u>
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Total EFT Commodity Rates	\$0.0374
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Note: From FERC Gas Tariff: PEPL Sixth-Sixth Revised Sheet No. 5 Effective 05/01/02, Sixty-Ninth Revised Sheet No. 7 Effective 05/01/02, and Twenty-Seventh Revised Sheet No. 19 Effective 10/01/01.

Annual Throughput at Burnertip	379,066
Annual Throughput at Citygate	380,336
MOGAS & MPC	381,979
Annual Throughput at Wellhead	393,625

Seasonal Sales Volume @ Burnertip

Jan	73,216
Feb	65,424
Mar	53,242
Apr	37,244
May	20,814
Jun	10,209
Jul	7,438
Aug	7,242
Sep	8,048
Oct	14,772
Nov	29,297
Dec	<u>52,121</u>
TOTAL	379,066

Missouri Public Service
Division of UtiliCorp United Inc.
Eastern System
Current Gas Cost Calculation

Enclosure 3

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	<u>Nov-02</u>	<u>Dec-02</u>	<u>Jan-03</u>	<u>Feb-03</u>	<u>Mar-03</u>	<u>Totals</u>
SUMMARY OF COMMODITY COSTS						
Sales Requirements	29,297	52,121	73,216	65,424	53,242	273,300
MoGas/MoPipe Fuel Loss	0.43%	0.43%	0.43%	0.43%	0.43%	
PEPL Market Zone Fuel Loss	1.80%	1.80%	1.80%	1.80%	1.80%	
PEPL Field Zone Fuel Loss	1.18%	1.18%	1.18%	1.18%	1.18%	
Gathering Fuel Loss	<u>0.69%</u>	<u>0.69%</u>	<u>0.69%</u>	<u>0.69%</u>	<u>0.69%</u>	
Total Supply - Fuel Loss	30,532	54,316	76,301	68,181	55,485	284,815
Purchase Requirements	30,532	54,316	76,301	68,181	55,485	
Total Supply	0	0	20,036	17,361	14,565	51,962
Forecasted Price (NYMEX-PEPL Basis)*	\$ 4.0770	\$ 4.2720	\$ 4.3420	\$ 4.1940	\$ 4.0290	
Total Cost	\$ -	\$ -	\$ 86,996	\$ 72,812	\$ 58,682	\$ 218,490
Contracted Fixed Price Supply	39,600	56,265	56,265	50,820	40,920	
Contracted Price	\$ 3.7025	\$ 3.7625	\$ 3.7625	\$ 3.7625	\$ 3.7025	
Total Cost	\$ 146,619	\$ 211,697	\$ 211,697	\$ 191,210	\$ 151,506	\$ 912,729
<u>Forecasted Gas Commodity Cost</u>	\$ 146,619	\$ 211,697	\$ 298,693	\$ 264,022	\$ 210,188	\$ 1,131,219
<u>Forecasted Sales Gas Quantity</u>	30,532	54,316	76,301	68,181	55,485	284,815
<u>Gas Cost (Commodity) Dth</u>						\$3.9718
SUMMARY OF UPSTREAM COSTS						
Panhandle Eastern Pipeline - Firm						
FT Commodity (Field Zone)	30,321	53,942	75,774	67,710	55,102	
FT Commodity (Market Zone)	<u>29,963</u>	<u>53,305</u>	<u>74,880</u>	<u>66,911</u>	<u>54,452</u>	
Total Units	60,284	107,247	150,654	134,621	109,554	
Cost/Dth Field Zone	\$0.0195	\$0.0195	\$0.0195	\$0.0195	\$0.0195	
Cost/Dth - Market Zone	<u>\$0.0179</u>	<u>\$0.0179</u>	<u>\$0.0179</u>	<u>\$0.0179</u>	<u>\$0.0179</u>	
Total Panhandle Commodity Costs	\$1,128	\$2,006	\$2,818	\$2,518	\$2,049	\$10,519
Missouri Pipeline Company - Firm						
Rolla						
FT Commodity	20,615	36,674	51,517	46,034	37,462	
Salem						
FT Commodity	5,982	10,642	14,949	13,358	10,871	
Owensville						
FT Commodity	<u>2,827</u>	<u>5,030</u>	<u>7,066</u>	<u>6,314</u>	<u>5,138</u>	
Total Units	29,424	52,346	73,532	65,706	53,471	274,479
Cost/Dth - Rolla	\$0.1699	\$0.1699	\$0.1699	\$0.1699	\$0.1699	
Cost/Dth - Salem	\$0.0500	\$0.0500	\$0.0500	\$0.0500	\$0.0500	
Cost/Dth - Owensville	<u>\$0.1699</u>	<u>\$0.1699</u>	<u>\$0.1699</u>	<u>\$0.1699</u>	<u>\$0.1699</u>	
Total MoPipe Commodity Costs	\$4,282	\$7,618	\$10,701	\$9,562	\$7,781	\$39,944
Missouri Gas Company - Firm						
Rolla						
FT Commodity	20,526	36,516	51,295	45,836	37,301	
Salem						
FT Commodity	5,956	10,596	14,885	13,301	10,824	
Owensville						
FT Commodity	<u>2,814</u>	<u>5,008</u>	<u>7,035</u>	<u>6,286</u>	<u>5,116</u>	
Total Units	29,296	52,120	73,215	65,423	53,241	273,297
Cost/Dth - Rolla	\$0.3500	\$0.3500	\$0.3500	\$0.3500	\$0.3500	
Cost/Dth - Salem	\$0.4200	\$0.4200	\$0.4200	\$0.4200	\$0.4200	
Cost/Dth - Owensville	<u>\$0.9433</u>	<u>\$0.9433</u>	<u>\$0.9433</u>	<u>\$0.9433</u>	<u>\$0.9433</u>	
Total MoGas Commodity Costs	\$12,340	\$21,955	\$30,841	\$27,559	\$22,428	\$115,123
Total MoPipe & MoGas Costs	\$16,622	\$29,573	\$41,542	\$37,121	\$30,209	\$155,067
<u>Forecasted Eastern Upstream Costs</u>	\$17,750	\$31,579	\$44,360	\$39,639	\$32,258	\$165,586
<u>Forecasted Firm Sales Quantity</u>	30,532	54,316	76,301	68,181	55,485	284,815
<u>Upstream Cost/Dth</u>						\$0.5814
						\$4.5532

Missouri Public Service
Division of UtiliCorp United Inc.
Eastern System
Gas Commodity Cost Calculation

Enclosure 3

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INSIDE FERC OCT 02	\$ 3.34
MoGas/MoPipe Fuel Loss	0.43%
PEPL Market Zone Fuel Loss	1.80%
PEPL Field Zone Fuel Loss	1.18%
Gathering Fuel Loss	<u>0.69%</u>

PEPL Index Adjusted for Fuel \$ 3.4807

PEPL Cost/Dth Field Zone	\$0.0195
PEPL Cost/Dth - Market Zone	<u>\$0.0179</u>
Total PEPL Commodity Cost	\$3.5181

PEPL Cost	\$3.5181
MoPipe Cost/Dth - Rolla	\$0.1699
MoGas Cost/Dth - Rolla	<u>\$0.3500</u>
Rolla	\$4.0380

PEPL Cost	\$3.5181
MoPipe Cost/Dth - Salem	\$0.0500
MoGas Cost/Dth - Salem	<u>\$0.4200</u>
Total Salem	\$3.9881

PEPL Cost	\$3.5181
MoPipe Cost/Dth - Owensville	\$0.1699
MoGas Cost/Dth - Owensville	<u>\$0.9433</u>
Total Owensville	\$4.6313

Percent Split			
Rolla	\$4.0380	70.06%	\$ 2.8290
Salem	\$3.9881	20.33%	\$ 0.8108
Owensville	\$4.6313	9.61%	\$ 0.4451

\$ 4.0849

Total Gas Commodity Costs

\$ 4.0849

**MISSOURI PUBLIC SERVICE
SCHEDULE 1 - SPOT MARKET GAS PURCHASES
BY USAGE MONTH FOR THE SOUTHERN SYSTEM**

SUPPLIER	INVOICE NO.	USAGE MONTH	MONTH BOOKED	MMBTU	RATE	COST	OTHER CHARGES	TOTAL SYS. SUPPLY	FIRM PORTION	INTERRUPT. PORTION	STORAGE MMBTU	TOTAL STORAGE	TOTAL MONTH
BASELOAD POOL GAS SYSTEM SUPPLY	VARIOUS	September 2001	October 2001	88,348	2.1988	194,261.41	0.00	194,261.41	194,261.41	0.00	0	0.00	
TERM PWER POOL GAS SYSTEM SUPPLY	VARIOUS	September 2001	October 2001	1	2.2700	2.27	0.00	2.27	2.27	0.00	0	0.00	
IMBALANCE GAS	VARIOUS	September 2001	October 2001	(642)	0.0000	(1,438.08)	0.00	(1,438.08)	(1,438.08)	0.00	0	0.00	
LINE LOSS	EE GENERAL LEDGER	September 2001	October 2001	0	0.0000	0.00	(142.86)	(142.86)	(142.86)	0.00	0	0.00	
WNG SYSTEM SUPPLY TRANS.	1-TNS-0901-07921	September 2001	October 2001	0.0000	0.00	234,223.08	234,223.08	234,223.08	234,223.08	0.00	0	0.00	
WNG STORAGE TRANS.	1-STO-0901-07921	September 2001	October 2001	0.0000	0.00	0.00	0.00	0.00	0.00	0.00	0	91,097.32	
WNG CAPACITY RELEASE	1-TNS-0901-07921	September 2001	October 2001	0.0000	0.00	(1,308.17)	(1,308.17)	(1,308.17)	(1,308.17)	0.00			516,694.97
TERM POOL GAS SYSTEM SUPPLY	VARIOUS	October 2001	November 2001	4,752	4.9300	23,427.36	0.00	23,427.36	23,427.36	0.00	0	0.00	
BASELOAD POOL GAS SYSTEM SUPPLY	VARIOUS	October 2001	November 2001	175,564	1.6259	285,455.75	0.00	285,455.75	285,455.75	0.00	0	0.00	
IMBALANCE GAS	VARIOUS	October 2001	November 2001	7,767	1.6692	12,965.05	0.00	12,965.05	12,965.05	0.00	0	0.00	
LINE LOSS	EE GENERAL LEDGER	October 2001	November 2001	0.0000	0.00	(110.95)	(110.95)	(110.95)	(110.95)	0.00	0	0.00	
WNG SYSTEM SUPPLY TRANS.	1-TNS-1001-07921	October 2001	November 2001	0.0000	0.00	235,929.68	235,929.68	235,929.68	235,929.68	0.00	0	0.00	
WNG STORAGE TRANS.	1-STO-1001-07921	October 2001	November 2001	0.0000	0.00	0.00	0.00	0.00	0.00	0.00	0	91,097.32	
WNG CAPACITY RELEASE	1-TNS-1001-07921	October 2001	November 2001	0.0000	0.00	(437.34)	(437.34)	(437.34)	(437.34)	0.00			648,326.87
TERM POOL GAS SYSTEM SUPPLY	VARIOUS	November 2001	December 2001	234,024	3.3862	792,452.89	0.00	792,452.89	792,452.89	0.00			
UCU POOL GAS	VARIOUS	November 2001	December 2001	183,421	3.3277	610,375.70	0.00	610,375.70	610,375.70	0.00			
UCU POOL GAS	VARIOUS	November 2001	December 2001	(183,421)	2.3013	(422,106.48)	0.00	(422,106.48)	(422,106.48)	0.00			
IMBALANCE GAS	VARIOUS	November 2001	December 2001	0	0.0000	11,761.10	0.00	11,761.10	11,761.10	0.00			
LINE LOSS	EE GENERAL LEDGER	November 2001	December 2001	0	0.0000	0.00	(252.70)	(252.70)	(252.70)	0.00			
WNG SYSTEM SUPPLY TRANS.	1-TNS-1101-07921	November 2001	December 2001	0.0000	0.00	300,060.48	300,060.48	300,060.48	300,060.48	0.00			
WNG STORAGE TRANS.	1-STO-1101-07921	November 2001	December 2001	0.0000	0.00	0.00	0.00	0.00	0.00	0.00		90,888.95	
WNG CAPACITY RELEASE	1-TNS-1101-07921	November 2001	December 2001	0.0000	0.00	(2,746.63)	(2,746.63)	(2,746.63)	(2,746.63)	0.00			1,380,433.31
TERM POOL GAS SYSTEM SUPPLY	VARIOUS	December 2001	January 2002	264,657	2.9740	787,081.18	0.00	787,081.18	787,081.18	0.00			
BASELOAD POOL GAS SYSTEM SUPPLY	VARIOUS	December 2001	January 2002	38,662	2.1700	83,896.54	0.00	83,896.54	83,896.54	0.00			
UCU POOL GAS	VARIOUS	December 2001	January 2002	10,000	3.0690	30,690.00	0.00	30,690.00	30,690.00	0.00			
UCU POOL GAS	VARIOUS	December 2001	January 2002	(10,000)	1.9300	(19,300.00)	0.00	(19,300.00)	(19,300.00)	0.00			
IMBALANCE - POOL GAS	VARIOUS	December 2001	January 2002	94,089	3.1060	292,240.43	0.00	292,240.43	292,240.43	0.00			
IMBALANCE GAS	VARIOUS	December 2001	January 2002	42,850	2.0690	88,655.93	0.00	88,655.93	88,655.93	0.00			
LINE LOSS	EE GENERAL LEDGER	December 2001	January 2002	0	0.0000	0.00	(1,871.28)	(1,871.28)	(1,871.28)	0.00			
WNG SYSTEM SUPPLY TRANS.	1-TNS-1201-07921	December 2001	January 2002	0	0.0000	0.00	300,980.18	300,980.18	300,980.18	0.00			
WNG ASSOC CO STORAGE	1-TNS-1201-07921	December 2001	January 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00	141,198	708,698.32	
WNG STORAGE TRANS.	1-STO-1201-07921	December 2001	January 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00		94,255.03	
WNG CAPACITY RELEASE	1-TNS-1201-07921	December 2001	January 2002	0	0.0000	0.00	(8,511.55)	(8,511.55)	(8,511.55)	0.00			2,356,814.78
TERM POOL GAS SYSTEM SUPPLY	VARIOUS	January 2002	February 2002	268,648	3.0999	832,784.94	0.00	832,784.94	832,784.94	0.00			
SWING POOL GAS SYSTEM SUPPLY	VARIOUS	January 2002	February 2002	50,000	2.1235	106,175.00	0.00	106,175.00	106,175.00	0.00			
BASELOAD POOL GAS SYSTEM SUPPLY	VARIOUS	January 2002	February 2002	152,171	2.2148	337,028.17	0.00	337,028.17	337,028.17	0.00			
UCU POOL GAS PPA 11/01	VARIOUS	November 2001	February 2002	138,579	3.3278	461,156.30	0.00	461,156.30	461,156.30	0.00			
UCU POOL GAS PPA 11/01	VARIOUS	November 2001	February 2002	(138,579)	2.3013	(318,913.52)	0.00	(318,913.52)	(318,913.52)	0.00			
IMBALANCE - POOL GAS	VARIOUS	January 2002	February 2002	22,860	2.8097	64,229.74	0.00	64,229.74	64,229.74	0.00			
IMBALANCE - TERM GAS	VARIOUS	January 2002	February 2002	(94,089)	3.1060	(292,240.43)	0.00	(292,240.43)	(292,240.43)	0.00			
IMBALANCE GAS	VARIOUS	January 2002	February 2002	695	22.6714	15,756.64	0.00	15,756.64	15,756.64	0.00			
WNG SYSTEM SUPPLY TRANS.	1-TNS-0102-07921	January 2002	February 2002	0	0.0000	0.00	301,862.30	301,862.30	301,862.30	0.00			
WNG ASSOC CO STORAGE	1-STO-0102-07921	January 2002	February 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00	235,405	1,185,997.89	
WNG STORAGE TRANS.	1-STO-0102-07921	January 2002	February 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00		93,547.88	
WNG CAPACITY RELEASE	1-TNS-0102-07921	January 2002	February 2002	0	0.0000	0.00	(19,301.58)	(19,301.58)	(19,301.58)	0.00			2,768,083.33
TERM FIXED POOL GAS SYSTEM SUPPLY	VARIOUS	February 2002	March 2002	123,480	3.6519	450,942.10	0.00	450,942.10	450,942.10	0.00			
TERM INDEX POOL GAS SYSTEM SUPPLY	VARIOUS	February 2002	March 2002	177,799	1.9179	341,002.79	0.00	341,002.79	341,002.79	0.00			
BASELOAD POOL GAS SYSTEM SUPPLY	VARIOUS	February 2002	March 2002	(22,860)	2.8097	(64,229.74)	0.00	(64,229.74)	(64,229.74)	0.00			
SWING POOL GAS SYSTEM SUPPLY	VARIOUS	February 2002	March 2002	34,825	2.4147	84,092.25	0.00	84,092.25	84,092.25	0.00			
IMBALANCE - POOL GAS	VARIOUS	February 2002	March 2002	32,287	2.3279	75,161	0.00	75,160.91	75,160.91	0.00			
IMBALANCE GAS	VARIOUS	February 2002	March 2002	(8,959)	5.4809	(49,103)	0.00	(49,103.22)	(49,103.22)	0.00			
LINE LOSS	EE GENERAL LEDGER	February 2002	March 2002	0	#DIV/0!	0	(233.91)	(233.91)	(233.91)	0.00			
WNG SYSTEM SUPPLY TRANS.	1-TNS-0202-07921	February 2002	March 2002	0	0.0000	0	299,890.28	299,890.28	299,890.28	0.00			
WNG ASSOC CO STORAGE	1-STO-0202-07921	February 2002	March 2002	0	0.0000	0	0.00	0.00	0.00	0.00	184,491	932,136.37	
WNG STORAGE TRANS.	1-STO-0202-07921	February 2002	March 2002	0	0.0000	0	0.00	0.00	0.00	0.00		92,850.40	
WNG CAPACITY RELEASE	1-TNS-0202-07921	February 2002	March 2002	0	0.0000	0	(16,796.20)	(16,796.20)	(16,796.20)	0.00			2,145,712.03

**MISSOURI PUBLIC SERVICE
SCHEDULE 1 - SPOT MARKET GAS PURCHASES
BY USAGE MONTH FOR THE SOUTHERN SYSTEM**

SUPPLIER	INVOICE NO.	USAGE MONTH	MONTH BOOKED	MMBTU	RATE	COST	OTHER CHARGES	TOTAL SYS. SUPPLY	FIRM PORTION	INTERRUPT. PORTION	STORAGE MMBTU	TOTAL STORAGE	TOTAL MONTH
TERM POOL GAS SYSTEM SUPPLY FIXED	VARIOUS	March 2002	April 2002	136,710	3.6519	499,257.33	0.00	499,257.33	499,257.33	0.00			
TERM POOL GAS SYSTEM SUPPLY INDEX	VARIOUS	March 2002	April 2002	184,931	2.3279	430,503.05	0.00	430,503.05	430,503.05	0.00			
SWING POOL GAS SYSTEM SUPPLY	VARIOUS	March 2002	April 2002	85,000	2.4753	210,400.00	0.00	210,400.00	210,400.00	0.00			
IMBALANCE - POOL GAS - C/M	VARIOUS	March 2002	April 2002	41,500	1.7089	70,920.63	0.00	70,920.63	70,920.63	0.00			
IMBALANCE - POOL GAS - P/M	VARIOUS	March 2002	April 2002	(32,287)	2.3279	(75,160.91)	0.00	(75,160.91)	(75,160.91)	0.00			
IMBALANCE GAS	VARIOUS	March 2002	April 2002	1,732	12.6388	21,890.45	0.00	21,890.45	21,890.45	0.00			
LINE LOSS	EE GENERAL LEDGER	March 2002	April 2002	0	#DIV/0!	0.00	(146.20)	(146.20)	(146.20)	0.00			
WNG SYSTEM SUPPLY TRANS.	1-TNS-0302-07921	March 2002	April 2002	0	#DIV/0!	0.00	301,542.33	301,542.33	301,542.33	0.00			
WNG ASSOC CO STORAGE	1-TNS-0302-07921	March 2002	April 2002	0	#DIV/0!	0.00	0.00	0.00	0.00	0.00	103,177	522,620.41	
WNG STORAGE TRANS.	1-STO-0302-07921	March 2002	April 2002	0	#DIV/0!	0.00	0.00	0.00	0.00	0.00		91,736.00	
WNG CAPACITY RELEASE	1-TNS-0302-07921	March 2002	April 2002	0	0.0000	0.00	(11,743.19)	(11,743.19)	(11,743.19)	0.00			2,061,819.90
BASELOAD POOL GAS SYSTEM SUPPLY	VARIOUS	April 2002	May 2002	182,591	3.2056	585,322.16	0.00	585,322.16	585,322.16	0.00			
IMBALANCE - POOL GAS - C/M	VARIOUS	April 2002	May 2002	41,289	2.8408	117,293.64		117,293.64	117,293.64	0.00			
IMBALANCE - POOL GAS - P/M	VARIOUS	April 2002	May 2002	(41,500)	1.7089	(70,920.63)		(70,920.63)	(70,920.63)	0.00			
IMBALANCE GAS	VARIOUS	April 2002	May 2002	(971)	(21.9579)	21,321.16	0.00	21,321.16	21,321.16	0.00			
LINE LOSS	EE GENERAL LEDGER	April 2002	May 2002	0	0.0000	0.00	233.65	233.65	233.65	0.00			
WNG SYSTEM SUPPLY TRANS.	1-TNS-0402-07921	April 2002	May 2002	0	0.0000	0.00	301,342.95	301,342.95	301,342.95	0.00			
WNG ASSOC CO STORAGE	1-TNS-0402-07921	April 2002	May 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00	10,371	58,967.57	
WNG STORAGE TRANS.	1-STO-0402-07921	April 2002	May 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00		91,736.00	
WNG CAPACITY RELEASE	1-TNS-0402-07921	April 2002	May 2002	0	0.0000	0.00	(11,743.19)	(11,743.19)	(11,743.19)	0.00			1,091,553.31
TERM POOL GAS SYS SUPPLY	VARIOUS	MAY 2002	JUNE 2002	117,856	3.0367	357,895.03		357,895.03	357,895.03	0.00			
IMBALANCE - POOL GAS - C/M	VARIOUS	MAY 2002	JUNE 2002	40,988	2.4915	102,120.80		102,120.80	102,120.80	0.00			
IMBALANCE - POOL GAS - P/M	VARIOUS	MAY 2002	JUNE 2002	(41,289)	2.8408	(117,293.64)		(117,293.64)	(117,293.64)	0.00			
WNG SYSTEM SUPPLY TRANS.	1-TNS-0502-07921	MAY 2002	JUNE 2002	0	0.0000	0.00	249,043.86	249,043.86	249,043.86	0.00			
WNG STORAGE TRANS.	1-STO-0502-07921	MAY 2002	JUNE 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00		87,774.92	
WNG CAPACITY RELEASE	1-TNS-0502-07921	MAY 2002	JUNE 2002	0	0.0000	0.00	(2,525.20)	(2,525.20)	(2,525.20)	0.00			677,015.77
BASELOAD POOL GAS SYS SUPPLY	VARIOUS	JUNE 2002	JULY 2002	110,155	2.8754	316,735.08		316,735.08	316,735.08	0.00			
IMBALANCE - POOL GAS - P/M	VARIOUS	JUNE 2002	JULY 2002	(40,988)	2.4915	(102,120.80)		(102,120.80)	(102,120.80)	0.00			
IMBALANCE GAS	VARIOUS	JUNE 2002	JULY 2002	216	(13.3144)	(2,875.90)		(2,875.90)	(2,875.90)	0.00			
WNG SYSTEM SUPPLY TRANS.	1-TNS-0601-07921	JUNE 2002	JULY 2002	0	0.0000	0.00	275,981.20	275,981.20	275,981.20	0.00			
WNG STORAGE TRANS.	1-STO-0601-07921	JUNE 2002	JULY 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00		88,155.07	
WNG CAPACITY RELEASE	1-TNS-0601-07921	JUNE 2002	JULY 2002	0	0.0000	0.00	(3,945.59)	(3,945.59)	(3,945.59)	0.00			571,929.06
BASELOAD POOL GAS SYSTEM SUPPLY	VARIOUS	JULY 2002	AUGUST 2002	65,333	2.7316	178,464.23		178,464.23	178,464.23	0.00			
IMBALANCE GAS	VARIOUS	JULY 2002	AUGUST 2002	0	0.0000	(6,467.76)		(6,467.76)	(6,467.76)	0.00			
LINE LOSS	EE GENERAL LEDGER	JULY 2002	AUGUST 2002				(34.11)	(34.11)	(34.11)	0.00			
WNG SYSTEM SUPPLY TRANS.	1-TNS-0702-07921	JULY 2002	AUGUST 2002	0	0.0000	0.00	273,893.59	273,893.59	273,893.59	0.00			
WNG STORAGE TRANS.	1-STO-0702-07921	JULY 2002	AUGUST 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00		88,491.05	
WNG CAPACITY RELEASE	1-TNS-0702-07921	JULY 2002	AUGUST 2002	0	0.0000	0.00	(9,181.36)	(9,181.36)	(9,181.36)	0.00			525,165.64
BASELOAD POOL GAS SYSTEM SUPPLY	VARIOUS	AUGUST 2002	SEPTEMBER 2002	66,272	2.6173	173,456.03		173,456.03	173,456.03	0.00			
IMBALANCE GAS	1-TNS-0802-7921	AUGUST 2002	SEPTEMBER 2002	(1)	0.0000	556.94		556.94	556.94	0.00			
WNG SYSTEM SUPPLY TRANS.	1-STO-0802-07921	AUGUST 2002	SEPTEMBER 2002	0	0.0000	0.00	273,618.74	273,618.74	273,618.74	0.00			
WNG STORAGE TRANS.	1-TNS-0802-07921	AUGUST 2002	SEPTEMBER 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00		88,681.21	
WNG CAPACITY RELEASE	1-TNS-0802-07921	AUGUST 2002	SEPTEMBER 2002	0	0.0000	0.00	(6,594.05)	(6,594.05)	(6,594.05)	0.00			529,718.87
				2,604,466		7,525,559.87	3,250,976.26	10,776,536.13	10,776,536.13	-	674,642	4,496,731.71	15,273,267.84

MISSOURI PUBLIC SERVICE
SCHEDULE 2 - SPOT MARKET GAS PURCHASES
BY USAGE MONTH FOR THE NORTHERN SYSTEM

SUPPLIER	INVOICE NO.	USAGE MONTH	MONTH BOOKED	MMBTU	RATE	COST	OTHER CHARGES	TOTAL SYS. SUPPLY	FIRM PORTION	INTERRUPT. PORTION	STORAGE MMBTU	TOTAL STORAGE	TOTAL MONTH
TENASKA	200109-104	SEPTEMBER 2001	OCTOBER 2001	21,879	4.6800	102,393.72	0.00	102,393.72	102,393.72	0.00	0	0.00	
ENERGY USA - TPC	TPCS12001090151	SEPTEMBER 2001	OCTOBER 2001	1,473	4.1700	6,142.41	0.00	6,142.41	6,142.41	0.00	0	0.00	
IMBALANCE GAS	VARIOUS	SEPTEMBER 2001	OCTOBER 2001	(3,472)	2.3455	(8,143.52)	0.00	(8,143.52)	(8,143.52)	0.00	0	0.00	
LINE LOSS	SEE GENERAL LEDGER	SEPTEMBER 2001	OCTOBER 2001	0	#DIV/0!	0.00	(1,199.62)	(1,199.62)	(1,199.62)	0.00	0	0.00	
LINE LOSS	SEE GENERAL LEDGER	SEPTEMBER 2001	OCTOBER 2001	0	#DIV/0!	0.00	(30.56)	(30.56)	(30.56)	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS.	010900202	SEPTEMBER 2001	OCTOBER 2001	0	0.0000	0.00	98,471.68	98,471.68	98,471.68	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS. 08/01 PPA	010900202	AUGUST 2001	OCTOBER 2001	0	0.0000	0.00	(100.45)	(100.45)	(100.45)	0.00	0	0.00	
PEPL STORAGE TRANS.	010900202	SEPTEMBER 2001	OCTOBER 2001	0	0.0000	0.00	0.00	0.00	0.00	0.00	0	55,998.47	
PEPL CAPACITY RELEASE	010900202	SEPTEMBER 2001	OCTOBER 2001	0	0.0000	0.00	0.00	0.00	0.00	0.00			253,532.13
TENASKA	200110-0260	OCTOBER 2001	NOVEMBER 2001	21,675	4.6800	101,439.00	0.00	101,439.00	101,439.00	0.00	0	0.00	
ENERGY USA - TPC	TPCS12001100245	OCTOBER 2001	NOVEMBER 2001	29,255	4.1700	121,993.35	0.00	121,993.35	121,993.35	0.00	0	0.00	
WESTERN	144708	OCTOBER 2001	NOVEMBER 2001	14,042	1.6900	23,730.98	0.00	23,730.98	23,730.98	0.00	0	0.00	
IMBALANCE GAS	VARIOUS	OCTOBER 2001	NOVEMBER 2001	0	0.0000	1,487.64	0.00	1,487.64	1,487.64	0.00	0	0.00	
LINE LOSS	SEE GENERAL LEDGER	OCTOBER 2001	NOVEMBER 2001	0	0.0000	0.00	(20.21)	(20.21)	(20.21)	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS.	01100207	OCTOBER 2001	NOVEMBER 2001	0	0.0000	0.00	99,668.17	99,668.17	99,668.17	0.00	0	0.00	
PEPL STORAGE TRANS.	01100207	OCTOBER 2001	NOVEMBER 2001	0	0.0000	0.00	0.00	0.00	0.00	0.00	0	55,998.47	
PEPL CAPACITY RELEASE	01100207	OCTOBER 2001	NOVEMBER 2001	0	0.0000	0.00	0.00	0.00	0.00	0.00			404,297.40
MARATHON	77111027	NOVEMBER 2001	DECEMBER 2001	23,815	3.0325	72,218.99	0.00	72,218.99	72,218.99	0.00	0	0.00	
ENERGY USA - TPC	TPCS12001110258	NOVEMBER 2001	DECEMBER 2001	15,000	4.5550	68,325.00	0.00	68,325.00	68,325.00	0.00	0	0.00	
IMBALANCE GAS	VARIOUS	NOVEMBER 2001	DECEMBER 2001	6,612	0.0000	16,219.80	0.00	16,219.80	16,219.80	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS.	011100203	NOVEMBER 2001	DECEMBER 2001	0	0.0000	0.00	139,644.66	139,644.66	139,644.66	0.00	0	0.00	
PEPL ASSOC CO STORAGE-FS	011100203	NOVEMBER 2001	DECEMBER 2001	0	0.0000	0.00	0.00	0.00	0.00	0.00	44,685	185,956.85	
PEPL STORAGE TRANS.	011100203	NOVEMBER 2001	DECEMBER 2001	0	0.0000	0.00	0.00	0.00	0.00	0.00	0	73,753.47	
PEPL CAPACITY RELEASE	011100203	NOVEMBER 2001	DECEMBER 2001	0	0.0000	0.00	0.00	0.00	0.00	0.00	0	0.00	556,118.77
MARATHON	77112013	DECEMBER 2001	JANUARY 2002	7,800	2.2225	17,335.50	0.00	17,335.50	17,335.50	0.00	0	0.00	
EPRIME	200201-1-00082	DECEMBER 2001	JANUARY 2002	3,000	2.4750	7,425.00	0.00	7,425.00	7,425.00	0.00	0	0.00	
ENERGY USA - TPC	TPCS12001120303	DECEMBER 2001	JANUARY 2002	17,448	4.5550	79,475.64	0.00	79,475.64	79,475.64	0.00	0	0.00	
WESTERN	145538	DECEMBER 2001	JANUARY 2002	25,199	2.2200	55,941.78	0.00	55,941.78	55,941.78	0.00	0	0.00	
IMBALANCE GAS	VARIOUS	DECEMBER 2001	JANUARY 2002	(4,532)	0.0000	(13,048.24)	0.00	(13,048.24)	(13,048.24)	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS.	011200204	DECEMBER 2001	JANUARY 2002	0	0.0000	0.00	139,983.58	139,983.58	139,983.58	0.00	0	0.00	
PEPL ASSOC CO STORAGE-FS	011200204	DECEMBER 2001	JANUARY 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00	138,372	576,114.44	
PEPL STORAGE TRANS.	011200204	DECEMBER 2001	JANUARY 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00	0	73,753.47	
PEPL CAPACITY RELEASE	011200204	DECEMBER 2001	JANUARY 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00			936,981.17
MARATHON	77201051	JANUARY 2002	FEBRUARY 2002	15,872	2.4925	39,560.96	0.00	39,560.96	39,560.96	0.00			
ENERGY USA - TPC	TPCS12002010272	JANUARY 2002	FEBRUARY 2002	18,600	4.5550	84,723.00	0.00	84,723.00	84,723.00	0.00			
WESTERN	146229	JANUARY 2002	FEBRUARY 2002	6,000	1.9650	11,790.00	0.00	11,790.00	11,790.00	0.00			
IMBALANCE GAS	VARIOUS	JANUARY 2002	FEBRUARY 2002	1,392	2.3246	3,235.80	0.00	3,235.80	3,235.80	0.00			
PEPL SYSTEM SUPPLY TRANS.	020100202	JANUARY 2002	FEBRUARY 2002	0	0.0000	0.00	139,700.97	139,700.97	139,700.97	0.00			
PEPL ASSOC CO STORAGE-FS	020100202	JANUARY 2002	FEBRUARY 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00	176,310	734,093.88	
PEPL STORAGE TRANS.	020100202	JANUARY 2002	FEBRUARY 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00	0	73,753.47	
PEPL CAPACITY RELEASE	020100202	JANUARY 2002	FEBRUARY 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00			1,086,858.08
MARATHON	77202058	FEBRUARY 2002	MARCH 2002	39,200	1.8825	73,794.00	0.00	73,794.00	73,794.00	0.00			
ENERGY USA - TPC	TPCS12002020264	FEBRUARY 2002	MARCH 2002	16,800	4.5550	76,524.00	0.00	76,524.00	76,524.00	0.00			
WESTERN	146905	FEBRUARY 2002	MARCH 2002	14,200	1.8700	26,554.00	0.00	26,554.00	26,554.00	0.00			
IMBALANCE GAS	VARIOUS	FEBRUARY 2002	MARCH 2002	34	(5.92)	(201.36)	0.00	(201.36)	(201.36)	0.00			
PEPL SYSTEM SUPPLY TRANS.	020200202	FEBRUARY 2002	MARCH 2002	0	0.0000	0.00	140,569.34	140,569.34	140,569.34	0.00			
PEPL SYSTEM SUPPLY TRANS. 01/02 PPA	020200202	JANUARY 2002	MARCH 2002	0	0.0000	0.00	0.36	0.36	0.36	0.00			
PEPL ASSOC CO STORAGE-FS	020200202	FEBRUARY 2002	MARCH 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00	116,116	484,446.15	
PEPL STORAGE TRANS.	020200202	FEBRUARY 2002	MARCH 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00	0	73,753.47	
PEPL CAPACITY RELEASE	020200202	FEBRUARY 2002	MARCH 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00			875,439.96

**MISSOURI PUBLIC SERVICE
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SUPPLIER	INVOICE NO.	USAGE MONTH	MONTH BOOKED	MMBTU	RATE	COST	OTHER CHARGES	TOTAL SYS. SUPPLY	FIRM PORTION	INTERRUPT. PORTION	STORAGE MMBTU	TOTAL STORAGE	TOTAL MONTH
MARATHON	77203080	MARCH 2002	APRIL 2002	21,350	2.2825	48,731.38	0.00	48,731.38	48,731.38	0.00			
TENASKA	200203-0154	MARCH 2002	APRIL 2002	676	4.4550	3,011.58	0.00	3,011.58	3,011.58	0.00			
EPRIME	200204-1-00077	MARCH 2002	APRIL 2002	3,000	2.2775	6,832.50	0.00	6,832.50	6,832.50	0.00			
ENERGY USA - TPC	TPCS12002030189	MARCH 2002	APRIL 2002	26,350	3.8837	102,334.88	0.00	102,334.88	102,334.88	0.00			
IMBALANCE GAS	VARIOUS	MARCH 2002	APRIL 2002	(1,174)	2.1399	(2,512.20)	0.00	(2,512.20)	(2,512.20)	0.00			
PEPL SYSTEM SUPPLY TRANS.	010300213	MARCH 2002	APRIL 2002	0	0.0000	0.00	140,974.88	140,974.88	140,974.88	0.00			
PEPL SYSTEM SUPPLY TRANS. 0202 PPA	020300213	FEBRUARY 2002	APRIL 2002	0	0.0000	0.00	(15.64)	(15.64)	(15.64)	0.00			
PEPL SYSTEM SUPPLY TRANS. 0202 PENALTY	020300213	FEBRUARY 2002	APRIL 2002	0	0.0000	0.00	(129.05)	(129.05)	(129.05)	0.00			
PEPL ASSOC CO STORAGE-FS	020300215	MARCH 2002	APRIL 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00	123,796	515,169.03	
PEPL STORAGE TRANS.	020300215	MARCH 2002	APRIL 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00		73,753.47	
PEPL CAPACITY RELEASE	010300213	MARCH 2002	APRIL 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00			888,150.83
ANADARKO	A0205s0085	APRIL 2002	MAY 2002	1,720	3.2750	5,633.00	0.00	5,633.00	5,633.00	0.00			
OGE	17741	APRIL 2002	MAY 2002	67,949	3.2725	222,363.10	0.00	222,363.10	222,363.10	0.00			
IMBALANCE GAS	VARIOUS	APRIL 2002	MAY 2002	198	(0.2300)	(45.54)	0.00	(45.54)	(45.54)	0.00			
LINE LOSS	SEE GENERAL LEDGER	APRIL 2002	MAY 2002	0	0.0000	0.00	(458.56)	(458.56)	(458.56)	0.00			
PEPL SYSTEM SUPPLY TRANS.	020400225	APRIL 2002	MAY 2002	0	0.0000	0.00	99,796.56	99,796.56	99,796.56	0.00			
PEPL SYSTEM SUPPLY TRANS. 0202 PPA	020400225	FEBRUARY 2002	MAY 2002	0	0.0000	0.00	4.85	4.85	4.85	0.00			
PEPL SYSTEM SUPPLY TRANS. 0302 PPA	020400225	MARCH 2002	MAY 2002	0	0.0000	0.00	2.64	2.64	2.64	0.00			
PEPL SYSTEM SUPPLY TRANS. 0202 PENALTY	020400225	FEBRUARY 2002	MAY 2002	0	0.0000	0.00	(248.91)	(248.91)	(248.91)	0.00			
PEPL STORAGE TRANS.	020400227	APRIL 2002	MAY 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00		55,998.47	
													383,045.61
ANADARKO	A0206S0076	MAY 2002	JUNE 2002	39,115	3.1400	122,821.10		122,821.10	122,821.10	0.00			
IMBALANCE GAS	VARIOUS	MAY 2002	JUNE 2002	510	3.2891	1,677.46		1,677.46	1,677.46	0.00			
LINE LOSS	SEE GENERAL LEDGER	MAY 2002	JUNE 2002	0	0.0000	0.00	350.87	350.87	350.87	0.00			
PEPL SYSTEM SUPPLY TRANS.	020500224	MAY 2002	JUNE 2002		0.0000		99,335.90	99,335.90	99,335.90	0.00			
PEPL STORAGE TRANS.	020500223	MAY 2002	JUNE 2002		0.0000			0.00	0.00	0.00		55,998.47	
PEPL SYSTEM SUPPLY TRANS. 0402 PENALTY	020500224	APRIL 2002	JUNE 2002		0.0000		(134.93)	(134.93)	(134.93)	0.00			
													280,048.87
OGE	20622	JUNE 2002	JULY 2002	26,246	2.950	77,425.70		77,425.70	77,425.70	0.00			
IMBALANCE GAS	VARIOUS	JUNE 2002	JULY 2002	442	3.019	1,334.20		1,334.20	1,334.20	0.00			
PEPL SYSTEM SUPPLY TRANS.	020600029	JUNE 2002	JULY 2002		0.0000		98,953.49	98,953.49	98,953.49	0.00			
PEPL SYSTEM SUPPLY TRANS. 0502 PPA	020600029	MAY 2002	JULY 2002		0.0000		11.67	11.67	11.67	0.00			
PEPL SYSTEM SUPPLY TRANS. 0502 PENALTY	020600029	MAY 2002	JULY 2002		0.0000		(325.58)	(325.58)	(325.58)	0.00			
PEPL STORAGE TRANS.	020600031	JUNE 2002	JULY 2002		0.0000			0.00	0.00	0.00		55,998.47	
													233,397.95
ANADARKO	A0208S0084	JULY 2002	AUGUST 2002	28,661	2.9475	84,478.30		84,478.30	84,478.30				
IMBALANCE GAS	VARIOUS	JULY 2002	AUGUST 2002	3,631	2.26	8,214.08		8,214.08	8,214.08	0.00			
PEPL STORAGE TRANS.	020700028	JULY 2002	AUGUST 2002		0.0000			0.00	0.00	0.00	0	55,998.47	
PEPL SYSTEM SUPPLY TRANS.	020700026	JULY 2002	AUGUST 2002		0.0000		99,008.20	99,008.20	99,008.20	0.00	0		
PEPL SYSTEM SUPPLY TRANS. 0502 PPA	020700026	MAY 2002	AUGUST 2002		0.0000		93.69	93.69	93.69	0.00	0		
PEPL SYSTEM SUPPLY TRANS. 0602 PENALTY	020700026	JUNE 2002	AUGUST 2002		0.0000		(114.75)	(114.75)	(114.75)	0.00	0		
PEPL CAPACITY RELEASE	000700208	JULY 2002	AUGUST 2002		0.0000		0.00	0.00	0.00	0.00	0		247,677.99
EPRIME	200209-1-00138	AUGUST 2002	SEPTEMBER 2002	24,271	2.6550	64,439.51		64,439.51	64,439.51	0.00	0		
IMBALANCE GAS	VARIOUS	AUGUST 2002	SEPTEMBER 2002	(1,576)	3.3067	(5,211.30)		(5,211.30)	(5,211.30)	0.00	0		
PEPL SYSTEM SUPPLY TRANS.	020800028	AUGUST 2002	SEPTEMBER 2002		0.0000		98,801.97	98,801.97	98,801.97	0.00	0		
PEPL SYSTEM SUPPLY TRANS. PPA - 06/02	020800028	JUNE 2002	SEPTEMBER 2002		0.0000		47.29	47.29	47.29	0.00	0		
PEPL SYSTEM SUPPLY TRANS. 0602 PENALTY	020800028	JULY 2002	SEPTEMBER 2002		0.0000		(165.60)	(165.60)	(165.60)	0.00	0		
PEPL STORAGE TRANS.	020800030	AUGUST 2002	SEPTEMBER 2002		0.0000			0.00	0.00	0.00	0	55,998.47	
PEPL CAPACITY RELEASE		AUGUST 2002	SEPTEMBER 2002		0.0000			0.00	0.00	0.00	0		213,910.34
				532,661.00		1,710,445.20	1,392,476.91	3,102,922.11	3,102,922.11	0.00	599,279	3,256,536.99	6,359,459.10

MISSOURI PUBLIC SERVICE
SCHEDULE 3 - SPOT MARKET GAS PURCHASES
BY USAGE MONTH FOR THE EASTERN SYSTEM

SUPPLIER	INVOICE NO.	USAGE MONTH	MONTH BOOKED	MMBTU	RATE	COST	OTHER CHARGES	TOTAL SYS. SUPPLY	FIRM PORTION	INTERRUPT. PORTION	STORAGE MMBTU	TOTAL STORAGE	TOTAL MONTH
IMBALANCE GAS	VARIOUS	SEPTEMBER 2001	OCTOBER 2001	2,106	0.0000	6,990.48	0.00	6,990.48	6,990.48	0.00	0	0.00	
WESTERN	144231	SEPTEMBER 2001	OCTOBER 2001	6,018	2.2100	13,299.78	0.00	13,299.78	13,299.78	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS.	010900202	SEPTEMBER 2001	OCTOBER 2001	0	0.0000	0.00	2,197.14	2,197.14	2,197.14	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGUT09,2001	SEPTEMBER 2001	OCTOBER 2001	0	0.0000	0.00	54,164.36	54,164.36	54,164.36	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NUT09,2001	SEPTEMBER 2001	OCTOBER 2001	0	0.0000	0.00	16,157.34	16,157.34	16,157.34	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGowens09,2001	SEPTEMBER 2001	OCTOBER 2001	0	0.0000	0.00	15,275.28	15,275.28	15,275.28	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NOwens09,2001	SEPTEMBER 2001	OCTOBER 2001	0	0.0000	0.00	997.05	997.05	997.05	0.00	0	0.00	
PEPL CAPACITY RELEASE	010900195	SEPTEMBER 2001	OCTOBER 2001	0	0.0000	0.00	0.00	0.00	0.00	0.00	0	0.00	109,081.43
							88,791.17						
WESTERN	144708	OCTOBER 2001	NOVEMBER 2001	21,375	1.6900	36,123.75	0.00	36,123.75	36,123.75	0.00	0	0.00	
IMBALANCE GAS	VARIOUS	OCTOBER 2001	NOVEMBER 2001	(1,518)	0.0000	(2,362.50)	0.00	(2,362.50)	(2,362.50)	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS.	011000206	OCTOBER 2001	NOVEMBER 2001	0	0.0000	0.00	7,808.67	7,808.67	7,808.67	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGUT10,2001	OCTOBER 2001	NOVEMBER 2001	0	0.0000	0.00	57,279.34	57,279.34	57,279.34	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NUT10,2001	OCTOBER 2001	NOVEMBER 2001	0	0.0000	0.00	17,623.71	17,623.71	17,623.71	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGowens10,2001	OCTOBER 2001	NOVEMBER 2001	0	0.0000	0.00	15,358.16	15,358.16	15,358.16	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NOwens10,2001	OCTOBER 2001	NOVEMBER 2001	0	0.0000	0.00	1,048.85	1,048.85	1,048.85	0.00	0	0.00	
PEPL CAPACITY RELEASE	01100207	OCTOBER 2001	NOVEMBER 2001	0	0.0000	0.00	0.00	0.00	0.00	0.00	0	0.00	132,879.98
MARATHON	77111027	NOVEMBER 2001	DECEMBER 2001	24,185	3.0325	73,341.01	0.00	73,341.01	73,341.01	0.00	0	0.00	
IMBALANCE GAS	VARIOUS	NOVEMBER 2001	DECEMBER 2001	3,667	0.0000	8,430.95	0.00	8,430.95	8,430.95	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS.	011100206	NOVEMBER 2001	DECEMBER 2001	0	0.0000	0.00	8,805.94	8,805.94	8,805.94	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGUT11,2001	NOVEMBER 2001	DECEMBER 2001	0	0.0000	0.00	63,344.58	63,344.58	63,344.58	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NUT11,2001	NOVEMBER 2001	DECEMBER 2001	0	0.0000	0.00	19,321.30	19,321.30	19,321.30	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGowens11,2001	NOVEMBER 2001	DECEMBER 2001	0	0.0000	0.00	15,375.60	15,375.60	15,375.60	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NOwens11,2001	NOVEMBER 2001	DECEMBER 2001	0	0.0000	0.00	1,059.75	1,059.75	1,059.75	0.00	0	0.00	
PEPL CAPACITY RELEASE		NOVEMBER 2001	DECEMBER 2001	0	0.0000	0.00	0.00	0.00	0.00	0.00	0	0.00	189,679.13
WESTERN GAS RESOURCES	145538	DECEMBER 2001	JANUARY 2002	8,870	2.2200	19,691.40	0.00	19,691.40	19,691.40	0.00	0	0.00	
MARATHON	77112013	DECEMBER 2001	JANUARY 2002	41,800	2.2225	92,900.50	0.00	92,900.50	92,900.50	0.00	0	0.00	
ENERGY USA - TPC	TPCS12001120303	DECEMBER 2001	JANUARY 2002	1,152	4.5550	5,247.36	0.00	5,247.36	5,247.36	0.00	0	0.00	
IMBALANCE GAS	VARIOUS	DECEMBER 2001	JANUARY 2002	6,037	0.0000	12,268.19	0.00	12,268.19	12,268.19	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS.	011200204	DECEMBER 2001	JANUARY 2002	0	0.0000	0.00	18,872.58	18,872.58	18,872.58	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGUT12,2001	DECEMBER 2001	JANUARY 2002	0	0.0000	0.00	72,530.33	72,530.33	72,530.33	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NUT12,2001	DECEMBER 2001	JANUARY 2002	0	0.0000	0.00	22,938.60	22,938.60	22,938.60	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGowens12,2001	DECEMBER 2001	JANUARY 2002	0	0.0000	0.00	15,690.24	15,690.24	15,690.24	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NOwens12,2001	DECEMBER 2001	JANUARY 2002	0	0.0000	0.00	1,256.40	1,256.40	1,256.40	0.00	0	0.00	
PEPL CAPACITY RELEASE	011200204	DECEMBER 2001	JANUARY 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00	0	0.00	261,395.60
BP CANADA	53877	JANUARY 2002	FEBRUARY 2002	58,900	2.4900	146,661.00	0.00	146,661.00	146,661.00	0.00	0	0.00	
MARATHON	77201051	JANUARY 2002	FEBRUARY 2002	33,728	2.4925	84,067.04	0.00	84,067.04	84,067.04	0.00	0	0.00	
IMBALANCE GAS	VARIOUS	JANUARY 2002	FEBRUARY 2002	(24,478)	0.0000	(59,391.56)	0.00	(59,391.56)	(59,391.56)	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS.	020100202	JANUARY 2002	FEBRUARY 2002	0	0.0000	0	33,730.45	33,730.45	33,730.45	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGUT 01,2002	JANUARY 2002	FEBRUARY 2002	0	0.0000	0	75,594.02	75,594.02	75,594.02	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NUT1 01,2002	JANUARY 2002	FEBRUARY 2002	0	0.0000	0	24,160.82	24,160.82	24,160.82	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGowens 01,2002	JANUARY 2002	FEBRUARY 2002	0	0.0000	0	15,730.72	15,730.72	15,730.72	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NOwens 01,2002	JANUARY 2002	FEBRUARY 2002	0	0.0000	0	1,281.70	1,281.70	1,281.70	0.00	0	0.00	
PEPL CAPACITY RELEASE		JANUARY 2002	FEBRUARY 2002	0	0.0000	0	0.00	0.00	0.00	0.00	0	0.00	321,834.19
WESTERN	146905	FEBRUARY 2002	MARCH 2002	39,000	1.8700	72,930.00	0.00	72,930.00	72,930.00	0.00	0	0.00	
MARATHON	77202058	FEBRUARY 2002	MARCH 2002	5,600	1.8825	10,542.00	0.00	10,542.00	10,542.00	0.00	0	0.00	
IMBALANCE GAS	VARIOUS	FEBRUARY 2002	MARCH 2002	13,669	2.6538	36,275.22	0.00	36,275.22	36,275.22	0.00	0	0.00	
LINE LOSS	SEE GENERAL LEDGER	FEBRUARY 2002	MARCH 2002	0	#DIV/0!	0.00	(6.07)	(6.07)	(6.07)	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS.	020200209	FEBRUARY 2002	MARCH 2002	0	0.0000	0	16,241.29	16,241.29	16,241.29	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGUT02,2002	FEBRUARY 2002	MARCH 2002	0	0.0000	0	72,846.94	72,846.94	72,846.94	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NUT02,2002	FEBRUARY 2002	MARCH 2002	0	0.0000	0	23,137.22	23,137.22	23,137.22	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGowens02,2002	FEBRUARY 2002	MARCH 2002	0	0.0000	0	15,665.20	15,665.20	15,665.20	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NOwens02,2002	FEBRUARY 2002	MARCH 2002	0	0.0000	0	1,240.75	1,240.75	1,240.75	0.00	0	0.00	
PEPL CAPACITY RELEASE		FEBRUARY 2002	MARCH 2002	0	0.0000	0	0.00	0.00	0.00	0.00	0	0.00	248,872.55

**MISSOURI PUBLIC SERVICE
SCHEDULE 3 - SPOT MARKET GAS PURCHASES
BY USAGE MONTH FOR THE EASTERN SYSTEM**

SUPPLIER	INVOICE NO.	USAGE MONTH	MONTH BOOKED	MMBTU	RATE	COST	OTHER CHARGES	TOTAL SYS. SUPPLY	FIRM PORTION	INTERRUPT. PORTION	STORAGE MMBTU	TOTAL STORAGE	TOTAL MONTH
MARATHON	77203080	MARCH 2002	APRIL 2002	20,500	2.2825	46,791.25	0.00	46,791.25	46,791.25	0.00	0	0.00	
ANADARKO	A0204S0090	MARCH 2002	APRIL 2002	4,500	2.4800	11,160.00	0.00	11,160.00	11,160.00	0.00	0	0.00	
ENERGY USA - TPC	TPCS12002030189	MARCH 2002	APRIL 2002	31,000	2.2725	70,447.50	0.00	70,447.50	70,447.50	0.00	0	0.00	
IMBALANCE GAS	VARIOUS	MARCH 2002	APRIL 2002	0	#DIV/0!	(1,289.20)	0.00	(1,289.20)	(1,289.20)	0.00	0	0.00	
LINE LOSS	SEE GENERAL LEDGER	MARCH 2002	APRIL 2002	0	#DIV/0!	0.00	(59.47)	(59.47)	(59.47)	0.00	0	0.00	
UNAUTHORIZED CHARGES	SEE GENERAL LEDGER	MARCH 2002	APRIL 2002	0	#DIV/0!	0.00	(1,307.53)	(1,307.53)	(1,307.53)	0.00	0	0.00	
UNAUTHORIZED CHARGES	SEE GENERAL LEDGER	MARCH 2002	APRIL 2002	0	#DIV/0!	0.00	(88.24)	(88.24)	(88.24)	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS.	010300214	MARCH 2002	APRIL 2002	0	0.0000	0.00	20,399.64	20,399.64	20,399.64	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS. PENALTY	010300214	MARCH 2002	APRIL 2002	0	0.0000	0.00	(19.44)	(19.44)	(19.44)	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGUT03,2002	MARCH 2002	APRIL 2002	0	0.0000	0.00	71,973.13	71,973.13	71,973.13	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NUT103,2002	MARCH 2002	APRIL 2002	0	0.0000	0.00	22,798.15	22,798.15	22,798.15	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGowens03,2002	MARCH 2002	APRIL 2002	0	0.0000	0.00	15,622.96	15,622.96	15,622.96	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NOwens03,2002	MARCH 2002	APRIL 2002	0	0.0000	0.00	1,214.35	1,214.35	1,214.35	0.00	0	0.00	
PEPL CAPACITY RELEASE	010300214	MARCH 2002	APRIL 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00	0	0.00	257,643.10
OGE	17741	APRIL 2002	MAY 2002	15,100	3.2725	49,414.75	0.00	49,414.75	49,414.75	0.00	0	0.00	
IMBALANCE GAS	VARIOUS	APRIL 2002	MAY 2002	4,412	2.5037	11,046.52	0.00	11,046.52	11,046.52	0.00	0	0.00	
IMBALANCE GAS PPA 03/02	VARIOUS	MARCH 2002	MAY 2002	(281)	2.3000	(646.30)	0.00	(646.30)	(646.30)	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS.	020400226	APRIL 2002	MAY 2002	0	0.0000	0.00	6,105.27	6,105.27	6,105.27	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS. 03/02 PENALTY	020400226	MARCH 2002	MAY 2002	0	0.0000	0.00	(41.16)	(41.16)	(41.16)	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGUT04,2002	APRIL 2002	MAY 2002	0	0.0000	0.00	60,424.74	60,424.74	60,424.74	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGowens04,2002	APRIL 2002	MAY 2002	0	0.0000	0.00	15,327.84	15,327.84	15,327.84	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NOwens04,2002	APRIL 2002	MAY 2002	0	0.0000	0.00	8,475.89	8,475.89	8,475.89	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NUT104,2002	APRIL 2002	MAY 2002	0	0.0000	0.00	18,254.31	18,254.31	18,254.31	0.00	0	0.00	
PEPL CAPACITY RELEASE		APRIL 2002	MAY 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00	0	0.00	168,361.86
ANADARKO	A0206S0076	MAY 2002	JUNE 2002	14,650	3.1400	46,001.00	0.00	46,001.00	46,001.00	0.00	0	0.00	
IMBALANCE GAS	VARIOUS	MAY 2002	JUNE 2002	(1,145)	3.2672	(3,740.98)	0.00	(3,740.98)	(3,740.98)	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS.	020500224	MAY 2002	JUNE 2002	0.0000	0.0000	0.00	5,333.11	5,333.11	5,333.11	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS. 04/02 PENALTY	020500224	APRIL 2002	JUNE 2002	0.0000	0.0000	0.00	(28.55)	(28.55)	(28.55)	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS. 03/02 PPA	020500224	MARCH 2002	JUNE 2002	0.0000	0.0000	0.00	35,682.56	35,682.56	35,682.56	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS. 02/02 PPA	020500224	FEBRUARY 2002	JUNE 2002	0.0000	0.0000	0.00	35,124.04	35,124.04	35,124.04	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS. 01/02 PPA	020500224	JANUARY 2002	JUNE 2002	0.0000	0.0000	0.00	23,485.16	23,485.16	23,485.16	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS. 12/01 PPA	020500224	DECEMBER 2001	JUNE 2002	0.0000	0.0000	0.00	37,205.12	37,205.12	37,205.12	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS. 11/01 PPA	020500224	NOVEMBER 2001	JUNE 2002	0.0000	0.0000	0.00	45,497.56	45,497.56	45,497.56	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGUT5,2002	MAY 2002	JUNE 2002	0.0000	0.0000	0.00	58,579.54	58,579.54	58,579.54	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NUT05,2002	MAY 2002	JUNE 2002	0.0000	0.0000	0.00	17,565.57	17,565.57	17,565.57	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGowens05,2002	MAY 2002	JUNE 2002	0.0000	0.0000	0.00	15,276.80	15,276.80	15,276.80	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NOwens05,2002	MAY 2002	JUNE 2002	0.0000	0.0000	0.00	8,367.49	8,367.49	8,367.49	0.00	0	0.00	
PEPL CAPACITY RELEASE		MAY 2002	JUNE 2002	0.0000	0.0000	0.00	0.00	0.00	0.00	0.00	0	0.00	324,348.42
OGE	20622	JUNE 2002	JULY 2002	7,310	2.9500	21,564.50	0.00	21,564.50	21,564.50	0.00	0	0.00	
IMBALANCE	VARIOUS	JUNE 2002	JULY 2002	(196)	2.8265	(554.00)	0.00	(554.00)	(554.00)	0.00	0	0.00	
LINE LOSS	SEE GENERAL LEDGER	JUNE 2002	JULY 2002	0	0.0000	0.00	(453.14)	(453.14)	(453.14)	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS.	020600030	JUNE 2002	JULY 2002	0.0000	0.0000	0.00	2,660.17	2,660.17	2,660.17	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS. 05/02 PENALTY	020600030	MAY 2002	JULY 2002	0.0000	0.0000	0.00	(448.14)	(448.14)	(448.14)	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGUT06,2002	JUNE 2002	JULY 2002	0.0000	0.0000	0.00	56,745.26	56,745.26	56,745.26	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGUT06,2002	JUNE 2002	JULY 2002	0.0000	0.0000	0.00	(123.20)	(123.20)	(123.20)	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NUT06,2002	JUNE 2002	JULY 2002	0.0000	0.0000	0.00	16,762.15	16,762.15	16,762.15	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGowens06,2002	JUNE 2002	JULY 2002	0.0000	0.0000	0.00	15,225.20	15,225.20	15,225.20	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NOwens06,2002	JUNE 2002	JULY 2002	0.0000	0.0000	0.00	8,257.91	8,257.91	8,257.91	0.00	0	0.00	119,636.71
ANADARKO	A0208S0084	JULY 2002	AUGUST 2002	6,630	2.9475	19,541.93	0.00	19,541.93	19,541.93	0.00	0	0.00	
IMBALANCE GAS	VARIOUS	JULY 2002	AUGUST 2002	78	3.1110	242.66	0.00	242.66	242.66	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS.	020700027	JULY 2002	AUGUST 2002	0.0000	0.0000	0.00	2,418.12	2,418.12	2,418.12	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS. 06/02 PENALTY	020700027	JUNE 2002	AUGUST 2002	0.0000	0.0000	0.00	(22.47)	(22.47)	(22.47)	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGUT07,2002	JULY 2002	AUGUST 2002	0.0000	0.0000	0.00	56,507.12	56,507.12	56,507.12	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NUT107,2002	JULY 2002	AUGUST 2002	0.0000	0.0000	0.00	16,697.44	16,697.44	16,697.44	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGowens07,2002	JULY 2002	AUGUST 2002	0.0000	0.0000	0.00	25,305.32	25,305.32	25,305.32	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NOwens07,2002	JULY 2002	AUGUST 2002	0.0000	0.0000	0.00	8,252.98	8,252.98	8,252.98	0.00	0	0.00	128,943.10
EPRIME	200209-1-00138	AUGUST 2002	SEPTEMBER 2002	6,200	2.6550	16,461.00	0.00	16,461.00	16,461.00	0.00	0	0.00	
IMBALANCE GAS	VARIOUS	AUGUST 2002	SEPTEMBER 2002	396	2.9689	1,175.70	0.00	1,175.70	1,175.70	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS.		AUGUST 2002	SEPTEMBER 2002	0.0000	0.0000	0.00	2,256.45	2,256.45	2,256.45	0.00	0	0.00	
PEPL SYSTEM SUPPLY TRANS. 07/02 PENALTY		AUGUST 2002	SEPTEMBER 2002	0.0000	0.0000	0.00	(31.74)	(31.74)	(31.74)	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGUT08,2002	AUGUST 2002	SEPTEMBER 2002	0.0000	0.0000	0.00	56,468.55	56,468.55	56,468.55	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NUT108,2002	AUGUST 2002	SEPTEMBER 2002	0.0000	0.0000	0.00	16,685.02	16,685.02	16,685.02	0.00	0	0.00	
MOGAS SYSTEM SUPPLY TRANS.	NGowens08,2002	AUGUST 2002	SEPTEMBER 2002	0.0000	0.0000	0.00	25,296.83	25,296.83	25,296.83	0.00	0	0.00	
MOPIPE SYSTEM SUPPLY TRANS.	NOwens08,2002	AUGUST 2002	SEPTEMBER 2002	0.0000	0.0000	0.00	8,251.45	8,251.45	8,251.45	0.00	0	0.00	
PEPL CAPACITY RELEASE		AUGUST 2002	SEPTEMBER 2002	0.0000	0.0000	0.00	0.00	0.00	0.00	0.00	0	0.00	126,563.26
				349,265		844,630.95	1,633,399.55	2,389,239.33	2,389,239.33	0.00	0.00	0.00	2,389,239.33

**MISSOURI PUBLIC SERVICE
SCHEDULE 4 - CALCULATION OF
NEW RECOVERY BALANCE
2001-2002 ACA YEAR**

Line		SOUTHERN SYSTEM		NORTHERN SYSTEM		EASTERN SYSTEM		TOTAL	Line
		FIRM	INTERRUPT.	FIRM	INTERRUPT.	FIRM	INTERRUPT.		
1	ACA RECOVERY	4,545,893.80	0.00	620,527.07	0.00	883,117.83	0.00	6,049,538.70	1
2	REGULAR RECOVERY	15,875,614.76	0.00	6,529,814.19	0.00	2,606,376.35	0.00	25,011,805.30	2
3	TOTAL RECOVERY	20,421,508.56	0.00	7,150,341.26	0.00	3,489,494.18	0.00	31,061,344.00	3
	LESS:								
4	PURCHASED GAS COST PER BOOKS	10,776,536.13	0.00	3,102,922.11	0.00	2,389,239.33	0.00	16,268,697.57	4
5	STORAGE COSTS	4,496,731.71	0.00	3,256,536.99	0.00	0.00	0.00	7,753,268.70	5
6	TOTAL PURCHASED GAS COST PER BOOKS	15,273,267.84	0.00	6,359,459.10	0.00	2,389,239.33	0.00	24,021,966.27	6
7	GROSS RECOVERY	5,148,240.72	0.00	790,882.16	0.00	1,100,254.85	0.00	7,039,377.73	7
8	DCCB INTEREST REFUNDED (COLLECTED) 2001-2002 ACA YEAR	0.00	0.00	0.00	0.00	3,829.00	0.00	3,829.00	8
9	PRIOR PERIOD ADJ DCCB INTEREST 1998-1999 ACA YEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9
10	2001-2002 Refund Adjustment	55,920.09	0.00	0.00	0.00	0.00	0.00	55,920.09	10
11	ADJUSTMENT FOR GR-99-435	(26,055.00)	0.00	38,345.82	0.00	(4,860.00)	0.00	7,430.82	11
12	REV. RECOVERY OVER/(UNDER) COST	5,178,105.81	0.00	829,227.98	0.00	1,099,223.85	0.00	7,106,557.64	12
13	BEGINNING ACA RECOVERY BALANCE SEPTEMBER 2001	(6,117,939.64)	9,563.19	(773,695.79)	(104,100.46)	(1,090,306.50)	0.00	(8,076,479.20)	13
14	ACA RECOVERY BALANCE AUGUST 2002 PER BOOKS	(744,096.19)	9,563.19	31,146.46	(104,100.46)	(224,161.00)	0.00	(1,031,648.00)	14
15	LESS ACTUAL ACA RECOVERY 08/02 BOOKED 09/02	115,842.78	0.00	15,020.17	0.00	23,183.77	0.00	154,046.72	15
16	DCCB INTEREST ADJ FOR 2000-2001	(109,760.00)	0.00	(12,442.00)	0.00	(33,607.00)	0.00	(155,809.00)	16
17	DCCB INTEREST ADJ FOR 2001-2002					3,829.00			
18	98/99 ADJUSTMENTS	(26,055.00)	0.00	51,848.00	0.00	\$ (4,860.00)	0.00	20,933.00	18
19	2001-2002 Refund Adjustment	55,920.09							19
20	ADJUSTMENTS for 3 yr Recovery Proposal					\$ 290,899.66		290,899.66	20
21	ENDING ACA RECOVERY BALANCE PER BOOKS	(939,833.88)	9,563.19	55,532.29	(104,100.46)	8,916.89	0.00	(969,921.97)	21
22	GR-93-172 MCF SALES	3,823.123	123.143	1,468,777	0	379,066	0	5,794,109	22
23	CALCULATED ACA RATES FOR 11/05/02 PER CCF	0.02458	(0.00777)	(0.00378)	0.00000	(0.00235)	0.00000		23
24	EFFECTIVE 11/05/02	0.16003	(0.00777)	0.05274	0.00000	0.28862	0.00000		24
25	CHANGE IN ACA RATE	(0.13545)	0.00000	(0.05652)	0.00000	(0.29097)	0.00000		25

Enclosure 5

MISSOURI PUBLIC SERVICE Southern System Gas Refund

Page 1 of 24

			FIRM	INTERRUPTIBLE	TOTAL
1	Beginning Balance September 2001		(\$233,613.31)	\$0.00	(\$233,613.31)
2	Actual Refund to Customers by Month				
3	September 2001		\$4,356.92	\$0.00	\$4,356.92
4	October 2001		\$6,471.20	\$0.00	\$6,471.20
5	November 2001		\$10,091.77	\$0.00	\$10,091.77
6	December 2001		(\$10,521.52)	\$0.00	(\$10,521.52)
7	January 2002		(\$38,385.22)	\$0.00	(\$38,385.22)
8	February 2002		(\$31,252.76)	\$0.00	(\$31,252.76)
9	March 2002		(\$30,630.90)	\$0.00	(\$30,630.90)
10	April 2002		(\$20,062.75)	\$0.00	(\$20,062.75)
11	May 2002		(\$9,232.51)	\$0.00	(\$9,232.51)
12	June 2002		(\$6,130.45)	\$0.00	(\$6,130.45)
13	July 2002		(\$4,595.92)	\$0.00	(\$4,595.92)
14	August 2002		(\$4,248.16)	\$0.00	(\$4,248.16)
15	TOTAL:		(\$134,140.30)	\$0.00	(\$134,140.30)
16	(Over)/Under Refund		(\$99,473.01)	\$0.00	(\$99,473.01)
17	Supplier Refunds Sep-01 to Aug-02				
	Williams Refund Check #501635 Jan-02		\$41,440.66	\$0.00	\$41,440.66
	6% Interest (1/31/02 - 5/01/02)		\$619.91	\$0.00	\$619.91
	6% Interest (5/02/02 - 11/01/02)		\$1,253.44	\$0.00	\$1,253.44
	Williams Refund Check #501489 Jan-02		\$228.12	\$0.00	\$228.12
	6% Interest (1/18/02 - 5/1/02)		\$3.90	\$0.00	\$3.90
	6% Interest (5/02/02 - 11/01/02)		\$6.90	\$0.00	\$6.90
				\$0.00	\$0.00
				\$0.00	\$0.00
				\$0.00	\$0.00
	TOTAL:		\$43,552.92	\$0.00	\$43,552.92
	Balance as of August 31, 2002		(\$55,920.09)	\$0.00	(\$55,920.09)

Annual Firm Mcf Sales Per GR-93-172: 3,823,123

Refund Rate Per Ccf: \$ -

MPS proposes to change the refund rate from the present rate of (\$0.0611)/Mcf to zero/Mcf. The balance after September 2002 thru November 2002 refunds have been taken out, will be transfer to the 191 account.



Enclosure 5

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To:
Karen Russell

UTILICORP UNITED INC
ATTN: ROBERT EADS
20 WEST 9TH STREET 7-263
KANSAS CITY MO 64105

NO. 501635

DETACH THIS STATEMENT AND RETAIN FOR YOUR FILES
007397 002 UTILICORP UNITED INC 01/31/02 501635

INVOICE NUMBER	DATE	VOUCHER NO.	P.O./ CONTRACT NO.	GROSS	DISCOUNT	NET
01/24/02	01/24/02	542757		116,133.00	0.00	116,133.00
RP93-109-017		ENVIRONMENTAL INS REIMUND				
01/24/02A	01/24/02	543111		3.00	0.00	3.00
RP93-109-017		ENVIRONMENTAL INS REIMUND				
		TOTAL		116,136.00	0.00	116,136.00

Williams
P.O. BOX 20008
Greensboro, Kentucky 40309
(270) 925-8628

NO. 501635

PAY TO THE ORDER OF UTILICORP UNITED INC
ATTN: ROBERT EADS
20 WEST 9TH STREET 7-263
KANSAS CITY MO 64105

DATE 01/31/02 **AMOUNT** *****\$116,136.00
WILLIAMS GAS PIPELINES CENTRAL INC.

BY: *Rich A. Bawle*
Vice President

BY:

FLEET MAINE, N.A.
SOUTH PORTLAND, ME

VOID OVER \$116,136.00

NOT VALID AFTER 90 DAYS

501635-0112015391 80-025 354

Enclosure 5

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GAS PIPELINES CENTRAL
P.O. Box 20008
3800 Frederica St.
Owensboro, Kentucky 42304
Tel. 270/926-8686
Fax. 270/683-5835

Daryl R. Johnson
Manager, Rates
Phone: (270)688-6726
Fax: (270)683-5960

January 31, 2002

Dear Customer:

On December 11, 2001, Williams Gas Pipelines Central, Inc. (Williams) filed, pursuant to Article III, Paragraph D of the Stipulation & Agreement dated January 31, 2001 in Docket No. RP93-109-017, its Refund Report of third-party environmental proceeds received during the twelve months ended September 30, 2001. By letter order dated January 23, 2002, the Commission approved Williams' filing.

Williams is refunding a total of \$1,713,200 to its customers. Enclosed please find a check representing your portion of Williams' refund related to third-party environmental proceeds. Also enclosed is a schedule reflecting the allocation by customer of the total principal and interest related to third-party environmental proceeds. Interest has been calculated through January 31, 2002.

If you have any questions related to your refund, please contact me by phone at (270) 688-6726 or by e-mail at daryl.r.johnson@williams.com.

Sincerely,

A handwritten signature in dark ink, appearing to read "Daryl R. Johnson", written over the word "Sincerely,".

Enclosures

Williams Gas Pipelines Center

Calculation of Refunds Related to Insurance Proceeds
Pursuant to Article III, Paragraph D, of the Stipulation Agreement
Dated January 31, 2001 in Docket No. RP93-109-017

Enclosure 5

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Shipper	12-Mos. Ending Sep. 30, 2001 Revenue 1/	Percentage	Allocated Amount
Acme Brick	\$ 50,951	0.0358%	\$ 610
AFG Industries	\$ 142,166	0.0993%	\$ 1,702
AG Processing	\$ 14,183	0.0099%	\$ 170
Altamont	\$ 51,852	0.0362%	\$ 621
Americus Gas	\$ 28,680	0.0200%	\$ 343
BP Energy	\$ 515,128	0.3599%	\$ 6,166
Aquila Energy Marketing	\$ 25,550	0.0179%	\$ 306
Aquila Energy Transportation	\$ (6)	0.0000%	\$ -
Argonia	\$ 22,678	0.0158%	\$ 271
Auburn	\$ 97,973	0.0685%	\$ 1,173
Avant	\$ 12,697	0.0089%	\$ 152
Bayer	\$ 42,268	0.0295%	\$ 506
Billings	\$ 18,457	0.0129%	\$ 221
Burlington	\$ 7,872	0.0055%	\$ 94
Central Mo State Univ	\$ 42,649	0.0298%	\$ 510
Certainfeed Co.	\$ 285,356	0.1994%	\$ 3,416
City Utilities of Springfield	\$ 5,301,348	3.7039%	\$ 83,456
Cleveland	\$ 116,429	0.0813%	\$ 1,394
CMS Field	\$ 234,197	0.1636%	\$ 2,803
Comm of Land Office	\$ 10,549	0.0074%	\$ 126
Conagra Energy	\$ 36,890	0.0258%	\$ 442
Copan	\$ 32,966	0.0230%	\$ 394
Denison	\$ 8,816	0.0062%	\$ 106
Duke Energy	\$ 2,638,010	1.8431%	\$ 31,576
Duke Energy FL	\$ 130,913	0.0915%	\$ 1,567
Eckert Gas	\$ 3,344	0.0023%	\$ 40
Empire Dist. Electric	\$ 3,313,567	2.3151%	\$ 39,663
Energy One	\$ 136,339	0.0953%	\$ 1,632
Excel Corp.	\$ 33,100	0.0231%	\$ 396
Fag Bearing	\$ 10,619	0.0074%	\$ 127
Farmland Industries	\$ 972,447	0.6794%	\$ 11,640
Flint Hills	\$ 2,032	0.0014%	\$ 24
Ford	\$ 11,268	0.0079%	\$ 135
Freedom	\$ 16,380	0.0114%	\$ 196
Gate	\$ 5,100	0.0036%	\$ 61
General Motors	\$ 450,564	0.3148%	\$ 5,393
Granby	\$ 60,757	0.0424%	\$ 727
Greeley Gas Co.	\$ 1,543,992	1.0788%	\$ 18,481
Greeley Gas Co.	\$ 6,101,286	4.2628%	\$ 73,031
Grove Municipal	\$ 570,771	0.3988%	\$ 6,832
Hamilton	\$ 9,188	0.0064%	\$ 110
Heartland Cemt	\$ 25,954	0.0181%	\$ 311
Howard	\$ 24,531	0.0171%	\$ 294
International Paper	\$ 20,540	0.0144%	\$ 246
Iola	\$ 334,632	0.2338%	\$ 4,005
Jayhawk Fine C	\$ 9,773	0.0068%	\$ 117
Kansas City Power & Light	\$ 3,214	0.0022%	\$ 38
Kansas City Power & Light	\$ 1,076,838	0.7524%	\$ 12,889

Williams Gas Pipelines Center

Calculation of Refunds Related to Insurance Proceeds
Pursuant to Article III, Paragraph D, of the Stipulation Agreement
Dated January 31, 2001 in Docket No. RP93-109-017

Enclosure 5

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Shipper	12-Mos. Ending Sep. 30, 2001 Revenue 1/	Percentage	Allocated Amount
Kansas Gas Service	\$ 42,741,245	29.8623%	\$ 511,600
Kechi	\$ 1,280	0.0009%	\$ 15
KMGA	\$ 1,156,804	0.8082%	\$ 13,847
Laclede	\$ 2,979,018	2.0814%	\$ 35,658
Lawrence Paper	\$ 30,937	0.0216%	\$ 370
Leann Gas	\$ 174,678	0.1220%	\$ 2,091
Lebo	\$ 17,372	0.0121%	\$ 208
Liberal	\$ 21,226	0.0148%	\$ 254
Mannford	\$ 106,740	0.0746%	\$ 1,278
Margasco Partnership	\$ 70,742	0.0494%	\$ 847
Marshall Municipal Utilities	\$ 5,473	0.0038%	\$ 66
McClouth	\$ 22,754	0.0159%	\$ 272
Missouri Gas Energy	\$ 46,378,583	32.4037%	\$ 555,138
Midwest Energy	\$ 761,930	0.5323%	\$ 9,120
Midwest United	\$ 83,119	0.0581%	\$ 995
Miracle Recrea	\$ 48,353	0.0338%	\$ 579
Mountain Energy	\$ 34,099	0.0238%	\$ 408
Mulberry	\$ 18,692	0.0131%	\$ 224
Nebraska Public Gas Agency	\$ 450,029	0.3144%	\$ 5,387
Rural Gas Distict	\$ 2,429	0.0017%	\$ 29
Neodesha	\$ 124,026	0.0867%	\$ 1,486
Oklahoma Nat	\$ 699,493	0.4887%	\$ 8,373
Orlando	\$ 4,808	0.0034%	\$ 58
Oronogo	\$ 6,183	0.0043%	\$ 74
Wann Public Works	\$ 4,502	0.0031%	\$ 54
Pittsburg Corning	\$ 147,700	0.1032%	\$ 1,768
Peoples Nat	\$ 6,560	0.0046%	\$ 79
Plattsburg	\$ 118,381	0.0827%	\$ 1,417
Post Rock	\$ (4)	0.0000%	\$ -
Public Srv Co	\$ 16,320	0.0114%	\$ 195
Questar ETC	\$ 346,332	0.2420%	\$ 4,146
Reading	\$ 4,474	0.0031%	\$ 54
Reliant	\$ 5,413	0.0038%	\$ 65
Reliant	\$ 108,775	0.0760%	\$ 1,302
Seminole Energ	\$ 2,771	0.0019%	\$ 33
Dennis Langley	\$ 174	0.0001%	\$ 2
Severy Gas	\$ 11,483	0.0080%	\$ 137
Southern Mo. Gas	\$ 1,051,634	0.7348%	\$ 12,588
Talbot Industries	\$ 6,357	0.0044%	\$ 76
Tenaska Gas	\$ 109,266	0.0763%	\$ 1,308
Tenaska Mkt	\$ 52,825	0.0369%	\$ 632
Terra Nitro LT	\$ 405,000	0.2830%	\$ 4,848
Texaco Natural	\$ 31,827	0.0222%	\$ 381
TXU Energy	\$ 6,358	0.0044%	\$ 76
Tyson	\$ 195,036	0.1363%	\$ 2,335
US Gypsum	\$ 212,231	0.1483%	\$ 2,540
US Gypsum	\$ 48,733	0.0340%	\$ 583
Utilicorp United	\$ 9,702,200	6.7787%	\$ 116,133

Williams Gas Pipelines Center

Calculation of Refunds Related to Insurance Proceeds
Pursuant to Article III, Paragraph D, of the Stipulation Agreement
Dated January 31, 2001 in Docket No. RP93-109-017

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Shipper	12-Mos. Ending Sep. 30, 2001 Revenue 1/	Percentage	Allocated Amount
Utilicorp Gas	\$ 261	0.0002%	\$ 3
Viola	\$ 6,275	0.0044%	\$ 75
Vulcan Chemical	\$ 343,998	0.2403%	\$ 4,118
Wakita	\$ 18,749	0.0131%	\$ 224
Oneok Energy	\$ 1,748,099	1.2200%	\$ 20,900
Fidelity Exploration	\$ 554,131	0.3872%	\$ 6,633
Williams Energy	\$ 5,132,136	3.5857%	\$ 61,430
Western Resources	\$ 2,139,115	1.4946%	\$ 25,605
Wheaton Natural Gas	\$ 47,716	0.0333%	\$ 571
Totals	\$ 143,127,637	100.0000%	\$ 1,713,200

1/ Includes firm transportation and firm storage reservation revenues
for the twelve months ended September 30, 2001.

Williams Check # 501635 Allocation

	<u>Account Codes</u>	<u>Amounts</u>
MPS	190 229001 5198 103	\$41,440.66
MPS-RG3/KCI	GSS-232030	\$239.08
MPS-GW	GSS - 232030	\$8,359.22
KPS	190 229001 5191 103	\$33,230.43
PN	191 229001 5191 103	\$8,211.62
EOV	EVD 400000 6075 425	\$19.93
UCU	GSS - 232029 - VI1320	\$11.82
ST. Joe P&L	GSS - 232030	\$532.20
BPU	GSS - 232029 - VI1320	\$1.32
ARIES	GSS - 232030	\$21,465.78
WP	GSS - 232030	<u>\$2,623.94</u>
		\$116,136.00

Enclosure 5

Cashout	MPS	MPS-RGJKCI	MPS-GW	KPS	NORAM	PN	EOV	UCU	St. Joe P&L	BPU	UES	ARIES	WP	Totals
Oct-00	\$294,889.38	\$0.00	\$54,838.61	\$238,301.97	\$0.00	\$57,043.33	n/a	\$0.00	n/a	\$0.00	\$0.00	n/a	\$11,271.77	\$654,342.06
Nov-00	\$298,121.16	\$1,089.19	\$52,713.94	\$238,929.51	\$0.00	\$45,224.86	n/a	\$395.05	n/a	\$0.00	\$0.00	n/a	\$15,310.26	\$671,763.99
Dec-00	\$291,301.37	(\$160.56)	\$54,067.30	\$231,988.06	\$0.00	\$100,358.61	n/a	\$0.00	n/a	\$0.00	\$0.00	n/a	\$65,345.18	\$742,968.18
Jan-01	\$267,574.47	\$0.00	\$50,631.93	\$229,697.42	\$0.00	\$81,218.73	n/a	\$0.00	\$0.00	\$0.00	\$0.00	n/a	\$5,780.65	\$855,103.20
Feb-01	\$288,590.88	\$19.55	\$51,108.59	\$244,006.94	\$0.00	\$57,288.82	n/a	\$598.60	\$1,024.68	\$0.00	\$0.00	n/a	\$12,844.71	\$655,478.37
Mar-01	\$283,340.95	\$0.00	\$52,421.56	\$233,929.56	\$0.00	\$63,162.54	n/a	\$0.00	\$1,456.99	\$0.00	\$0.00	n/a	\$14,981.72	\$659,313.32
Apr-01	\$291,890.82	\$202.80	\$53,664.67	\$232,781.11	\$0.00	\$49,238.17	n/a	\$0.00	\$3,432.74	\$110.59	\$0.00	n/a	\$7,028.18	\$635,627.28
May-01	\$284,472.51	\$1,694.36	\$65,984.90	\$227,464.48	\$0.00	\$43,585.95	n/a	\$0.00	\$3,503.72	\$0.00	\$0.00	n/a	\$13,656.72	\$839,053.12
Jun-01	\$286,110.80	\$65,515.49	\$68,515.49	\$228,358.11	\$0.00	\$44,770.24	n/a	\$0.00	\$7,526.03	\$0.00	n/a	\$450,520.46	\$13,656.72	\$1,094,419.84
Jul-01	\$285,392.89	\$6,377.73	\$71,733.59	\$223,944.23	\$0.00	\$43,615.37	n/a	\$0.00	\$13,624.80	\$0.00	n/a	\$458,309.41	\$21,359.82	\$1,124,337.84
Aug-01	\$287,613.75	\$7,660.49	\$75,372.64	\$229,081.05	\$0.00	\$43,578.67	n/a	\$0.00	\$13,763.83	\$0.00	n/a	\$450,756.96	\$23,385.97	\$1,132,113.38
Sep-01	\$263,981.05	\$56,341.25	\$56,341.25	\$235,777.44	\$0.00	\$44,122.28	\$1,675.15	\$0.00	\$5,400.78	\$0.00	n/a	\$444,709.89	\$15,231.92	\$1,097,238.94
	\$3,483,274.73	\$20,096.96	\$702,630.52	\$2,753,167.88	\$0.00	\$890,223.57	\$1,675.15	\$893.86	\$44,733.57	\$110.59	\$0.00	\$1,004,255.92	\$220,564.04	\$9,761,756.58
				28.61%	0.00%	7.07%	0.02%	0.01%	0.46%	0.00%	0.00%	18.49%	2.26%	

Williams Check # 501635 Allocation

[illegible]

INVOICE TOTALS	CASHOUT	MPS	MPS-RG3/KCI	MPS-GW	KPS	NORAM	PN	UCU	BPU	UES	WP	TOTAL
RA4466		\$ -			\$ -					\$ -		\$ -
RA4467		\$ -			\$ -					\$ -		\$ -
TA553		\$ 65,844.39		\$ -	\$ 56,465.20		\$ -	\$ -	\$ -			\$ 122,309.59
TA557		\$ 194,778.29	\$ -	\$ 3,545.13	\$ 174,119.56	\$ -	\$ 5,728.76	\$ -	\$ -	\$ -	\$ -	\$ 378,171.74
TA588	Norwich						\$ 115.86					\$ 115.86
TA591	Olivett						\$ 1,609.80					\$ 1,609.80
TA707											\$ 11,271.77	\$ 11,271.77
TA757		\$ -			\$ -	\$ -	\$ -					\$ -
TA840		\$ 7,968.35			\$ 5,999.61				\$ -			\$ 13,967.96
TA873		\$ -		\$ 51,291.48	\$ -		\$ -	\$ -	\$ -		\$ -	\$ 51,291.48
TA874				\$ -								\$ -
TA883		\$ -			\$ -		\$ 43,104.19	\$ -				\$ 43,104.19
TA956		\$ -			\$ -		\$ -	\$ -				\$ -
TA1006		\$ 26,297.35		\$ -	\$ (282.40)			\$ -	\$ -			\$ 26,014.95
TA1040							\$ 6,484.72					\$ 6,484.72
POOLS	\$ -											\$ -
	\$ -	\$ 294,888.38	\$ -	\$ 54,836.61	\$ 236,301.97	\$ -	\$ 57,043.33	\$ -	\$ -	\$ -	\$ 11,271.77	\$ 654,342.06

INVOICE TOTALS	CASHOUT	MPS	MPS-RG3/KCI	MPS-GW	KPS	NORAM	PN	UCU	BPU	UES	WP	TOTAL
RA4466		\$ -			\$ -					\$ -		\$ -
RA4467		\$ -			\$ -					\$ -		\$ -
TA553		\$ 64,064.37		\$ -	\$ 59,037.02		\$ -	\$ -	\$ -			\$ 123,101.39
TA557		\$ 199,842.03	\$ 1,069.19	\$ 1,879.06	\$ 174,192.88	\$ -	\$ 14,417.95	\$ 395.05	\$ -	\$ -	\$ -	\$ 391,796.16
TA588							\$ 381.77					\$ 381.77
TA591							\$ 4,444.43					\$ 4,444.43
TA707											\$ 15,310.26	\$ 15,310.26
TA757		\$ -			\$ -	\$ -	\$ -					\$ -
TA840		\$ 7,485.36			\$ 5,634.85				\$ -			\$ 13,120.21
TA873		\$ 4.15		\$ 50,834.88	\$ 10.47		\$ -	\$ -	\$ -		\$ -	\$ 50,849.50
TA874				\$ -								\$ -
TA883		\$ -			\$ -		\$ 46,000.73	\$ -				\$ 46,000.73
TA956		\$ -			\$ -		\$ -	\$ -				\$ -
TA1006		\$ 26,725.25		\$ -	\$ 54.29			\$ -	\$ -			\$ 26,779.54
TA1040							\$ -					\$ -
POOLS	\$ -											\$ -
	\$ -	\$ 298,121.16	\$ 1,069.19	\$ 52,713.94	\$ 238,929.51	\$ -	\$ 65,224.88	\$ 395.05	\$ -	\$ -	\$ 15,310.26	\$ 671,763.99

INVOICE TOTALS	CASHOUT	MPS	MPS-RG3/KCI	MPS-GW	KPS	NORAM	PN	UCU	BPU	UES	WP	TOTAL
RA4466		\$ -			\$ -					\$ -		\$ -
RA4467		\$ -			\$ -					\$ -		\$ -
TA553		\$ 63,576.93		\$ -	\$ 56,347.83		\$ 197.00	\$ -	\$ -			\$ 120,121.76
TA557		\$ 191,885.55	\$ (160.56)	\$ 3,092.65	\$ 168,430.79	\$ -	\$ 45,695.47	\$ -	\$ -	\$ -	\$ -	\$ 408,943.90
TA588	Norwich						\$ 617.11					\$ 617.11
TA591	Olivett						\$ 7,564.12					\$ 7,564.12
TA707											\$ 65,385.14	\$ 65,385.14
TA757		\$ -			\$ -	\$ -	\$ -					\$ -
TA840		\$ 7,947.12			\$ 6,075.02				\$ -			\$ 14,022.14
TA873		\$ 586.68		\$ 51,004.71	\$ 559.23		\$ -	\$ -	\$ -		\$ -	\$ 52,150.62
TA874				\$ -								\$ -
TA883		\$ -			\$ -		\$ 46,283.11	\$ -				\$ 46,283.11
TA956		\$ -			\$ -		\$ -	\$ -				\$ -
TA1006		\$ 27,305.09		\$ -	\$ 573.19			\$ -	\$ -			\$ 27,878.28
TA1040							\$ -					\$ -
POOLS	\$ -											\$ -
	\$ -	\$ 291,301.37	\$ (160.56)	\$ 54,097.36	\$ 231,986.06	\$ -	\$ 100,356.81	\$ -	\$ -	\$ -	\$ 65,385.14	\$ 742,966.18

INVOICE TOTALS	CASHOUT	MPS	MPS-RG3/KCI	MPS-GW	KPS	NORAM	PN	UCU	St Joe P&L	BPU	UES	WP	TOTAL
RA4466		\$ -			\$ -						\$ -		\$ -
RA4467		\$ -			\$ -						\$ -		\$ -
TA553		\$ 62,855.19		\$ -	\$ 54,202.53		\$ -	\$ -	\$ -	\$ -			\$ 117,057.72
TA557		\$ 189,430.47	\$ -	\$ 613.79	\$ 168,762.41	\$ -	\$ 29,541.80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 388,348.27
TA588	Norwich Olivett						\$ 498.86						\$ 498.86
TA591							\$ 5,627.02						\$ 5,627.02
TA707												\$ 5,780.85	\$ 5,780.85
TA757		\$ -			\$ -	\$ -	\$ -						\$ -
TA840		\$ 7,971.79			\$ 6,044.40					\$ -			\$ 14,016.19
TA873		\$ 183.90		\$ 50,218.14	\$ 154.84		\$ -	\$ -		\$ -		\$ -	\$ 50,556.88
TA874				\$ -									\$ -
TA883		\$ -			\$ -		\$ 45,551.25	\$ -					\$ 45,551.25
TA956		\$ -			\$ -		\$ -	\$ -					\$ -
TA1006		\$ 27,133.12		\$ -	\$ 533.24			\$ -		\$ -			\$ 27,666.36
TA1040							\$ -						\$ -
POOLS	\$ -												\$ -
	\$ -	\$ 287,574.47	\$ -	\$ 50,831.93	\$ 229,697.42	\$ -	\$ 81,218.73	\$ -	\$ -	\$ -	\$ -	\$ 5,780.85	\$ 655,103.20

Adj to 0707 - took the credit on last month's payment - need to increase this months payment

\$ (8,031.49)

\$ 663,134.69

INVOICE TOTALS	CASHOUT	MPS	MPS-RG3/KCI	MPS-GW	KPS	NORAM	PN	UCU	St Joe L & P BPU	UES	WP	TOTAL
RA4466		\$ -			\$ -					\$ -		\$ -
RA4467		\$ -			\$ -					\$ -		\$ -
TA553		\$ 66,224.90		\$ -	\$ 59,626.73		\$ -	\$ -	\$ -	\$ -		\$ 125,851.63
TA557		\$ 188,051.63	\$ 19.55	\$ 888.45	\$ 177,788.29	\$ -	\$ 7,136.00	\$ 598.60	\$ 1,024.68	\$ -	\$ -	\$ 375,507.20
TA588	Norwich						\$ 447.88					\$ 447.88
TA591	Olivett						\$ 5,501.06					\$ 5,501.06
TA707											\$ 12,844.71	\$ 12,844.71
TA757		\$ -			\$ -	\$ -	\$ -					\$ -
TA840		\$ 7,594.12			\$ 5,955.10				\$ -	\$ -		\$ 13,549.22
TA873		\$ 54.09		\$ 50,218.14	\$ 159.26		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,431.49
TA874				\$ -								\$ -
TA883		\$ -			\$ -		\$ 44,203.68	\$ -				\$ 44,203.68
TA956		\$ -			\$ -		\$ -	\$ -				\$ -
TA1006		\$ 26,661.94		\$ -	\$ 477.56		\$ -	\$ -	\$ -	\$ -		\$ 27,139.50
TA1040							\$ -					\$ -
POOLS	\$ -											\$ -
	\$ -	\$ 288,586.68	\$ 19.55	\$ 51,106.59	\$ 244,006.94	\$ -	\$ 57,288.62	\$ 598.60	\$ 1,024.68	\$ -	\$ -	\$ 655,476.37

INVOICE TOTALS	CASHOUT	MPS	MPS-RG3/KCI	MPS-GW	KPS	NORAM	PN	UCU	St Joe L & P	BPU	UES	WP	TOTAL
RA4466		\$ -			\$ -						\$ -		\$ -
RA4467		\$ -			\$ -						\$ -		\$ -
TA553		\$ 67,328.57		\$ -	\$ 57,272.44		\$ -	\$ -		\$ -			\$ 124,601.01
TA557		\$ 190,055.30	\$ 502.90	\$ 2,497.50	\$ 169,508.67	\$ -	\$ -	\$ -	\$ 3,432.74	\$ 110.59	\$ -	\$ -	\$ 366,107.70
TA588	Norwich						\$ 196.25						\$ 196.25
TA591	Olivett						\$ 1,552.75						\$ 1,552.75
TA707												\$ 7,028.16	\$ 7,028.16
TA757		\$ -			\$ -	\$ -	\$ -						\$ -
TA840		\$ 8,007.29			\$ 5,980.00					\$ -			\$ 13,987.29
TA873		\$ -		\$ 51,167.17	\$ -		\$ -	\$ -		\$ -		\$ -	\$ 51,167.17
TA874				\$ -									\$ -
TA883		\$ -			\$ -		\$ 44,487.17	\$ -					\$ 44,487.17
TA956		\$ -			\$ -		\$ -	\$ -					\$ -
TA1006		\$ 26,499.76		\$ -	\$ -			\$ -		\$ -			\$ 26,499.76
TA1040							\$ -						\$ -
POOLS	\$ -												\$ -
	\$ -	\$ 291,890.92	\$ 502.90	\$ 53,664.67	\$ 232,761.11	\$ -	\$ 46,236.17	\$ -	\$ 3,432.74	\$ 110.59	\$ -	\$ 7,028.16	\$ 635,627.26

INVOICE TOTALS	CASHOUT	MPS	MPS-RG3/KCI	MPS-GW	KPS	NORAM	PN	UCU	St Joe L & P BPU	UES	WP	TOTAL
RA4466		\$ -			\$ -					\$ -		\$ -
RA4467		\$ -			\$ -					\$ -		\$ -
TA553		\$ 68,241.79		\$ -	\$ 56,688.19		\$ -	\$ -	\$ -			\$ 122,909.98
TA557		\$ 183,732.23	\$ 1,694.36	\$ 12,897.72	\$ 164,778.83	\$ -	\$ -	\$ -	\$ 3,503.72	\$ -	\$ -	\$ 366,606.86
TA588	Norwich						\$ 161.89					\$ 161.89
TA591	Olivett						\$ 1,123.72					\$ 1,123.72
TA707											\$ 14,337.20	\$ 14,337.20
TA757		\$ -			\$ -	\$ -	\$ -					\$ -
TA840		\$ 7,998.73			\$ 6,017.46				\$ -			\$ 14,016.19
TA873		\$ -		\$ 51,097.18	\$ -		\$ -	\$ -	\$ -		\$ -	\$ 51,097.18
TA874				\$ -								\$ -
TA883		\$ -			\$ -		\$ 42,300.34	\$ -				\$ 42,300.34
TA956		\$ -			\$ -		\$ -	\$ -				\$ -
TA1006		\$ 26,499.76		\$ -	\$ -			\$ -	\$ -			\$ 26,499.76
TA1040							\$ -					\$ -
POOLS	\$ -											\$ -
	\$ -	\$ 284,472.51	\$ 1,694.36	\$ 63,994.90	\$ 227,464.48	\$ -	\$ 43,585.95	\$ -	\$ 3,503.72	\$ -	\$ 14,337.20	\$ 639,053.12

INVOICE TOTALS	CASHOUT	MPS	MPS-RG3/KCI	MPS-GW	KPS	NORAM	PN	UCU	St Joe L & P BPU	ARIES	WP	TOTAL
RA4466		0.00			0.00							0.00
RA4467		0.00			0.00							0.00
TA553		65,086.40		0.00	55,795.62			0.00	0.00	0.00		120,882.02
TA557		186,610.17	2,932.30	12,348.88	166,571.18	0.00		0.00	0.00	2,526.03	0.00	370,998.56
TA588	Norwich							120.00				120.00
TA591	Olivett							834.39				834.39
TA707											13,656.72	13,656.72
TA757		0.00			0.00	0.00		0.00				0.00
TA840		7,914.27			6,021.31					0.00		13,935.58
TA873		0.00		51,700.85	0.00			0.00	0.00	0.00	0.00	51,700.85
TA874				0.00								0.00
TA883		0.00			0.00		43,815.85	0.00				43,815.85
TA956		0.00			0.00			0.00				0.00
TA1006		26,499.76		0.00	0.00			0.00		0.00		26,499.76
TA1040								0.00				0.00
TA1048				1,465.75						352,306.80		353,772.55
TA1049										21,362.60		21,362.60
TA1050										76,851.06		76,851.06
POOLS		0.00										0.00
		\$0.00	\$286,110.60	\$2,932.30	\$65,515.48	\$228,388.11	\$0.00	\$44,770.24	\$0.00	\$2,526.03	\$0.00	\$450,520.46
											\$13,656.72	\$1,094,419.94

INVOICE TOTALS	CASHOUT	MPS	MPS-RG3/KCI	MPS-GW	KPS	NORAM	PN	UCU	St Joe L & P BPU	ARIES	WP	TOTAL
TA553		63,957.32		8,817.01	54,518.94		0.00	0.00	0.00	0.00		127,293.27
TA557		186,681.08	6,377.73	10,117.63	163,025.21	0.00	0.00	0.00	13,624.80	0.00	0.00	379,826.45
TA588	Norwich						53.30					53.30
TA591	Olivett						798.52					798.52
TA707											21,339.82	21,339.82
TA840		7,934.58			6,081.63					0.00		14,016.19
TA873		320.17		52,798.95	318.45		0.00	0.00		0.00	0.00	53,437.57
TA883		0.00			0.00		42,763.55	0.00				42,763.55
TA1008		26,499.76		0.00	0.00			0.00		0.00		26,499.76
TA1048				0.00						360,095.75		360,095.75
TA1049										21,362.60		21,362.60
TA1050										76,851.06		76,851.06
POOLS	0.00											0.00
RA4466		0.00			0.00							0.00
RA4467		0.00			0.00							0.00
TA757		0.00			0.00	0.00	0.00					0.00
TA874				0.00								0.00
TA956		0.00			0.00		0.00	0.00				0.00
TA1040							0.00					0.00
		\$0.00	\$285,392.89	\$6,377.73	\$71,733.59	\$223,944.23	\$0.00	\$43,615.37	\$0.00	\$13,624.80	\$0.00	\$458,309.41
											\$21,339.82	\$1,124,337.84

Statement # 529639 - Aries Plant Deposit (20,000.00)
\$1,104,337.84

INVOICE TOTALS	CASHOUT	MPS	MPS-RG3/KCI	MPS-GW	KPS	NORAM	PN	UCU	St Joe L & P BPU	ARIES	WP	TOTAL	
TA553		60,754.85	5,349.71	5,477.71	51,721.17			0.00	0.00	6,813.80	0.00	129,917.24	
TA557		192,406.68	2,310.78	3,375.13	172,196.17	0.00		0.00	0.00	(122.11)	0.00	370,166.63	
TA588	Norwich							53.30				53.30	
TA591	Olivett							928.30				928.30	
TA707											23,385.97	23,385.97	
TA840		7,952.48			6,063.71					0.00		14,016.19	
TA873		0.00		52,604.82	0.00		0.00	0.00	1,064.69	0.00	0.00	53,669.51	
TA883		0.00			0.00		42,597.07	0.00				42,597.07	
TA1006		26,499.76		0.00	0.00			0.00		0.00		26,499.76	
TA1048				0.00								363,931.55	
TA1049										363,931.55		363,931.55	
TA1050				13,914.98					6,207.45			21,117.60	
POOLS	0.00											21,117.60	
RA4466		0.00										85,830.24	
RA4467		0.00										0.00	
TA757		0.00				0.00	0.00					0.00	
TA874				0.00								0.00	
TA874		0.00			0.00			0.00	0.00			0.00	
TA956								0.00				0.00	
TA1040								0.00				0.00	
	\$0.00	\$287,613.75	\$7,660.49	\$75,372.64	\$229,981.05	\$0.00	\$43,578.67	\$0.00	\$13,763.83	\$0.00	\$450,756.96	\$23,385.97	\$1,132,113.36

INVOICE TOTALS	CASHOUT	MPS	MPS-RG3/KCI	MPS-GW	KPS	NORAM	PN	EOV	UCU	St Joe L & P BPU	ARIES	WP	TOTAL
TA553		84,836.17	0.00	0.00	55,620.94			0.00	1,675.15	0.00	0.00	0.00	122,132.26
TA557		194,696.29	0.00	0.00	174,118.04	0.00		0.00	0.00	0.00	0.00	0.00	368,814.33
TA588	Norwich							55.39					55.39
TA591	Olivett							880.20					880.20
TA707												15,231.92	15,231.92
TA840		7,948.83			6,038.46						0.00		13,987.29
TA873		0.00		50,757.80	0.00			0.00	0.00	2,412.00	0.00	0.00	53,169.80
TA883		0.00			0.00			43,186.67	0.00				43,186.67
TA1006		26,499.76		0.00	0.00				0.00		0.00		26,499.76
TA1048				0.00							351,640.02		351,640.02
TA1049											21,117.60		21,117.60
TA1050				5,583.45						2,988.78	71,951.47		80,523.70
POOLS	0.00												0.00
RA4466		0.00			0.00								0.00
RA4467		0.00			0.00								0.00
TA757		0.00			0.00	0.00		0.00					0.00
TA874				0.00									0.00
TA956		0.00			0.00			0.00	0.00				0.00
TA1040								0.00					0.00
		\$0.00	\$293,981.05	\$0.00	\$56,341.25	\$235,777.44	\$0.00	\$44,122.26	\$1,675.15	\$0.00	\$5,400.78	\$0.00	\$444,709.09
												\$15,231.92	\$1,097,238.94



Enclosure 5

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UTILICORP UNITED INC
ATTN: ROBERT EADS
20 WEST 9TH STREET 7-263
KANSAS CITY MO 64105

NO. 501489

DETACH THIS STATEMENT AND RETAIN FOR YOUR FILES
007397 002 UTILICORP UNITED INC

INVOICE NUMBER	DATE	VOUCHER NO.	P.O./ CONTRACT NO.	GROSS	DISCOUNT	NET
01/14/02	01/14/02	534724		456.23	0.00	456.23
ISS REFUND OCTOBER 2000 - SEPTEMBER 2001						
TOTAL				456.23	0.00	456.23

		NO. 501489	
P.O. BOX 20008 Owensboro, Kentucky 42304 (502) 625-8686		DATE: 01/18/02 PAYMENT: *****\$456.23	
PAY TO THE ORDER OF: UTILICORP UNITED INC ATTN: ROBERT EADS 20 WEST 9TH STREET 7-263 KANSAS CITY MO 64105		BY: <u>Frank A. Baule</u> Vice President	
FLEET MAINE, N.A. SOUTH PORTLAND, ME		VOID OVER \$456.23 NOT VALID AFTER 90 DAYS	

NO 501489 0011201539 80 025 354

Enclosure 5

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GAS PIPELINES CENTRAL
P.O. Box 20008
3800 Frederica St.
Owensboro, Kentucky 42304
270/926-8686

David N. Roberts
Manager, Certificates and Tariffs
Phone: 270/688-6712
Fax: 270/683-5960
Email: david.n.roberts@williams.com

January 18, 2002

Dear Storage Customer:

On December 5, 2001, Williams Gas Pipelines Central, Inc. (Williams) filed, pursuant to Article 12 of the General Terms and Conditions of its tariff, a report of excess revenues related to interruptible storage (ISS) activity for the period October 1, 2000 through September 30, 2001. By letter order dated January 10, 2002, the Commission accepted the refund report referenced in Docket No. RP95-136-017.

Enclosed please find a check representing your portion of Williams' refund related to ISS activity. Also enclosed is a schedule reflecting the allocation by customer of the total principal and interest related to ISS activity replicating Schedule 3 of the refund report, except for the interest being calculated through January 18, 2002.

If you have any questions related to your refund, please contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "David N. Roberts", written over a horizontal line.

Enclosure

Williams Gas Pipeline Central
ISS Refund For the Period October 2000 Through September 2001

Enclosure 5

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<u>Cust. Name</u>	<u>Cust. ID</u>	<u>Reservation Charges</u>	<u>Allocation Factor</u>	<u>Principal</u>	<u>ISS - Refund Interest</u>	<u>Total</u>
Altamont	97	\$ 3,656	0.00023880	\$ 2.94	\$ 0.06	\$ 3.00
Americus Gas	123	\$ 3,239	0.00021154	\$ 2.81	\$ 0.05	\$ 2.66
Argonia	189	\$ 2,786	0.00018194	\$ 2.24	\$ 0.04	\$ 2.28
Reliant Energy	190	\$ 13,538	0.00088419	\$ 10.89	\$ 0.22	\$ 11.11
Auburn	223	\$ 11,985	0.00078278	\$ 9.64	\$ 0.19	\$ 9.83
Avant	227	\$ 1,560	0.00010187	\$ 1.26	\$ 0.03	\$ 1.29
Billings	419	\$ 2,267	0.00014807	\$ 1.82	\$ 0.04	\$ 1.88
Burlington	728	\$ 967	0.00006315	\$ 0.78	\$ 0.02	\$ 0.80
Cleveland	979	\$ 14,301	0.00093405	\$ 11.51	\$ 0.23	\$ 11.74
Copan	1082	\$ 4,048	0.00026439	\$ 3.26	\$ 0.07	\$ 3.33
Denison	1272	\$ 884	0.00005642	\$ 0.70	\$ 0.01	\$ 0.71
Eckert Gas	1440	\$ 264	0.00001725	\$ 0.21	\$ -	\$ 0.21
Flint Hills	1687	\$ 155	0.00001011	\$ 0.12	\$ -	\$ 0.12
Ford	1711	\$ 1,410	0.00009210	\$ 1.13	\$ 0.02	\$ 1.15
Gate	1816	\$ 627	0.00004092	\$ 0.50	\$ 0.01	\$ 0.51
Granby	1948	\$ 4,372	0.00028555	\$ 3.52	\$ 0.07	\$ 3.59
Greeley Gas	1981	\$ 913,887	0.05968861	\$ 735.43	\$ 14.69	\$ 750.12
Hamilton	2080	\$ 880	0.00005748	\$ 0.71	\$ 0.01	\$ 0.72
Howard	2344	\$ 2,436	0.00015907	\$ 1.98	\$ 0.04	\$ 2.00
Iola	2456	\$ 43,926	0.00286896	\$ 35.35	\$ 0.71	\$ 36.06
Kansas Gas Service	2628	\$ 5,233,436	0.34181034	\$ 4,211.48	\$ 84.10	\$ 4,295.58
Lebo	2905	\$ 1,788	0.00011676	\$ 1.44	\$ 0.03	\$ 1.47
Liberal	2945	\$ 2,285	0.00014924	\$ 1.84	\$ 0.04	\$ 1.88
Mannford	3097	\$ 8,828	0.00057661	\$ 7.10	\$ 0.14	\$ 7.24
McLouth	3245	\$ 2,258	0.00014750	\$ 1.82	\$ 0.04	\$ 1.86
Mulberry	3481	\$ 2,156	0.00014079	\$ 1.73	\$ 0.03	\$ 1.76
Neodesha	3569	\$ 14,362	0.00093803	\$ 11.56	\$ 0.23	\$ 11.79
Orlando	3726	\$ 591	0.00003857	\$ 0.48	\$ 0.01	\$ 0.49
Oronogo	3726	\$ 716	0.00004676	\$ 0.58	\$ 0.01	\$ 0.59
Plattsburg	3956	\$ 12,565	0.00082067	\$ 10.11	\$ 0.20	\$ 10.31
Public Service Co.	4034	\$ 1,600	0.00010449	\$ 1.29	\$ 0.03	\$ 1.32
Reading	4107	\$ 518	0.00003384	\$ 0.42	\$ 0.01	\$ 0.43
Nelagoney Rural	4296	\$ 298	0.00001949	\$ 0.24	\$ -	\$ 0.24
Severy Gas	4440	\$ 1,281	0.00008235	\$ 1.01	\$ 0.02	\$ 1.03
City Utilities	4672	\$ 932,289	0.06089042	\$ 750.24	\$ 14.98	\$ 765.22
Viola	5138	\$ 771	0.00005035	\$ 0.62	\$ 0.01	\$ 0.63
Wakita	5169	\$ 2,303	0.00015042	\$ 1.85	\$ 0.04	\$ 1.89
Wann Public Works	5216	\$ 327	0.00002137	\$ 0.26	\$ 0.01	\$ 0.27
OneOk Energy	5219	\$ 50,245	0.00328167	\$ 40.43	\$ 0.81	\$ 41.24
Williams Energy	5338	\$ 928,981	0.06067432	\$ 747.57	\$ 14.93	\$ 762.50
Tenaska Marketing	7149	\$ 52,826	0.00345020	\$ 42.51	\$ 0.85	\$ 43.36
Freedom Municipal	7198	\$ 2,012	0.00013141	\$ 1.62	\$ 0.03	\$ 1.65
Nebraska Public	7315	\$ 46,460	0.00303443	\$ 37.39	\$ 0.75	\$ 38.14
Grove Municipal	7484	\$ 34,001	0.00222072	\$ 27.36	\$ 0.55	\$ 27.91
KMGA	7560	\$ 141,489	0.00924169	\$ 113.87	\$ 2.27	\$ 116.14
Lawrence Paper	7573	\$ 3,965	0.00025899	\$ 3.19	\$ 0.06	\$ 3.25
Missouri Gas Energy	7831	\$ 6,140,330	0.40104215	\$ 4,941.28	\$ 98.67	\$ 5,039.95
Utilicorp United	✓7921	\$ 555,828	0.03630270	\$ 447.30	\$ 8.93	\$ 456.23
Tenaska Gas	9611	\$ 109,268	0.00713657	\$ 87.94	\$ 1.75	\$ 89.69

\$ 15,310,935 1.00000000 \$ 12,321.11 \$ 248.04 \$ 12,567.15

Williams Pipeline
ISS Refund October 2000 - September 2001
Check # 501489

Settlement Amount: \$ 456.23

	<u>Allocation %</u>	<u>Amount</u>	<u>Account Codes</u>
MPS	50%	\$ 228.12	190 229001 5198 103
KPS	50%	\$ 228.12	190 229001 5191 103
		<u>\$ 456.23</u>	

Enclosure 6

MISSOURI PUBLIC SERVICE Northern System Gas Refund

Page 1 of 2

		FIRM	INTERRUPTIBLE	TOTAL
1	Beginning Balance September 2001	\$9,027.20	\$0.00	\$9,027.20
2	Actual Refund to Customers by Month			
3	September 2001	\$542.48	\$0.00	\$542.48
4	October 2001	\$965.79	\$0.00	\$965.79
5	November 2001	\$1,770.20	\$0.00	\$1,770.20
6	December 2001	\$713.45	\$0.00	\$713.45
7	January 2002	\$0.95	\$0.00	\$0.95
8	February 2002	(\$0.14)	\$0.00	(\$0.14)
9	March 2002	\$0.00	\$0.00	\$0.00
10	April 2002	\$0.00	\$0.00	\$0.00
11	May 2002	\$0.00	\$0.00	\$0.00
12	June 2002	\$0.00	\$0.00	\$0.00
13	July 2002	\$0.00	\$0.00	\$0.00
14	August 2002	\$0.00	\$0.00	\$0.00
15	TOTAL:	\$3,992.73	\$0.00	\$3,992.73
16	(Over)/Under Refund	\$5,034.47	\$0.00	\$5,034.47
17	Supplier Refunds Sep-01 to Aug-02			
	CMS Energy Refund Check # 0002025334 Jan-02	\$6,962.09	\$0.00	\$6,962.09
	6% Interest (1/31/02 - 5/01/02)	\$104.15	\$ 0.00	\$104.15
	6% Interest (5/02/02 - 11/01/02)	\$210.58	\$ 0.00	\$210.58
	TOTAL:	\$7,276.81	\$0.00	\$7,276.81
	Balance as of August 31, 2002	\$12,311.28	\$0.00	\$12,311.28
	Annual Firm Mcf Sales Per GR-93-172:			1,468,777
	Refund Rate Per Ccf:	\$ 0.00084		

MPS proposes to change the refund rate from the present rate of \$0.00/Mcf to .0084/Mcf.

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808

 270513
 UTILICORP UNITED GAS SUPPLY
 FORMERLY MISSOURI PUBLIC SVC CO
 7101 MERCY ROAD STE 400
 OMAHA NE 68106

VENDOR NO.	CHECK NO.	DATE
18741	0002025334	12/17/2001

INVOICE NUMBER	INVOICE DATE	VOUCHER ID	GROSS AMOUNT	DISCOUNT TOTAL	PAID AMOUNT
RP98-40FF	12/17/2001	273931	\$6,962.09	\$0.00	\$6,962.09
REFUND OF KANSAS AD VALOREM TAX REFUNDS IN ACCORDANCE WITH ARTICLE VI, SECTION 6.4 OF THE STIPULATION AND AGREEMENT DATED JUNE 22, 2001 IN DOCKET NO. RP98-40, ET AL.					
		000808700000000000			
		TOTAL	\$6,962.09	\$0.00	\$6,962.09

Acct → 229001 5214 103

THE FACE OF THIS DOCUMENT HAS A BLUE BACKGROUND - THE BACK HAS AN ARTIFICIAL WATERMARK

CMS ENERGY
Panhandle Eastern Pipe Line Company
 5444 Westheimer Road
 Houston, TX 77056-5306

JPMORGAN CHASE BANK
 SYRACUSE, NEW YORK

50-937
 213

PAY IN U.S. DOLLARS

*****SIX THOUSAND NINE HUNDRED SIXTY TWO AND 09/100 DOLLARS*****

CHECK DATE
 12/17/2001

CHECK NUMBER
 0002025334

 TO THE
 ORDER OF

 UTILICORP UNITED GAS SUPPLY
 FORMERLY MISSOURI PUBLIC SVC CO
 7101 MERCY ROAD STE 400
 OMAHA NE 68106

433

CHECK AMOUNT

\$6,962.09

Luca L. Montecchi
 Authorized Signature
 Void After 60 Days

0002025334 021309379 601807522

**Missouri Public Service
Southern System
Estimated Deferred Carrying Cost Balance (DCCB) Calculation
2001-2002 ACA Year**

Annual Gas Cost Level

Gas Cost from Nov 02 ACA calculation	15,273,268
Gas Cost from Nov 01 ACA calculation	15,415,511
Gas Cost from Nov 00 ACA calculation	12,869,941
Average of 3 most recent gas cost calculations	14,519,573
	10%
10% of average annual gas cost threshold	1,451,957

	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Total</u>
Sales Volumes (in Mcf)	72,597	108,043	187,180	312,759	631,798	511,740	501,488	342,857	151,669	100,688	77,679	70,657	3,069,157
Cost of Gas Purchased and Produced	516,695	648,327	1,380,433	2,356,815	2,768,083	2,145,712	2,061,820	1,091,553	677,016	571,929	525,166	529,719	15,273,268
PGA - Estimated Annualized Unit Cost of Gas	\$7.1734	\$7.1758	\$7.0637	\$5.4037	\$4.8899	\$4.8830	\$4.8837	\$4.8792	\$4.6708	\$4.6174	\$4.6171	\$4.6010	
Actual Annualized Unit Cost of Gas	<u>7.1173</u>	<u>6.0006</u>	<u>7.3749</u>	<u>7.5356</u>	<u>4.3813</u>	<u>4.1930</u>	<u>4.1114</u>	<u>3.1837</u>	<u>4.4638</u>	<u>5.6802</u>	<u>6.7607</u>	<u>7.4970</u>	
Difference	0.0561	1.1752	-0.3111	-2.1319	0.5086	0.6900	0.7723	1.6955	0.2070	-1.0628	-2.1436	-2.8960	
Actual Sales Volumes	72,597	108,043	187,180	312,759	631,798	511,740	501,488	342,857	151,669	100,688	77,679	70,657	
DCCB Monthly Over/(Under) Recovery	4,076	126,968	(58,240)	(666,764)	321,356	353,119	387,285	581,300	31,392	(107,015)	(166,510)	(204,621)	
2001-02 DCCB Yr to Date Over/(Under) Recovery	4,076	131,044	72,805	(593,959)	(272,604)	80,515	467,800	1,049,100	1,080,492	973,477	806,968	602,347	
10% of average annual gas cost threshold	1,451,957	1,451,957	1,451,957	1,451,957	1,451,957	1,451,957	1,451,957	1,451,957	1,451,957	1,451,957	1,451,957	1,451,957	
Absolute Value Rcvry Bal that exceeds threshold	-	-	-	-	-	-	-	-	-	-	-	-	
Over/(Und) Rcvry Bal that exceeds 10% threshold	-	-	-	-	-	-	-	-	-	-	-	-	
Interest at Prime Rate - Wall Street Journal - 1%	5.00%	4.50%	4.00%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	
Carrying Costs Refunded/(Collected)	-	-	-	-	-	-	-	-	-	-	-	-	-
DCCB Percent of Avg Annual Gas Costs	0.03%	0.90%	0.50%	-4.09%	-1.88%	0.55%	3.22%	7.23%	7.44%	6.70%	5.56%	4.15%	

Note: The DCCB will become 0 at the beginning of each new ACA period (Sep).

Note: Shaded Area indicates estimate.

Enclosure 7

**Missouri Public Service
Northern System
Estimated Deferred Carrying Cost Balance (DCCB) Calculation
2001-2002 ACA Year**

Annual Gas Cost Level													
Gas Cost from Nov 02 ACA calculation	6,351,236												
Gas Cost from Nov 01 ACA calculation	6,358,385												
Gas Cost from Nov 00 ACA calculation	<u>4,986,525</u>												
Average of 3 most recent gas cost calculations	5,898,715												
	10%												
10% of average annual gas cost threshold	589,872												
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
Sales Volumes (in Mcf)	18,924	33,450	63,851	103,758	215,542	183,846	171,452	126,320	56,850	29,865	19,718	18,441	1,042,018
Cost of Gas Purchased and Produced	253,532	404,297	556,119	936,981	1,086,858	875,440	888,151	383,046	280,049	233,398	239,455	213,910	6,351,236
PGA - Estimated Annualized Unit Cost of Gas	\$7.6730	\$7.6898	\$7.6294	\$6.5637	\$6.2123	\$6.2121	\$6.2232	\$6.1586	\$4.7630	\$4.2716	\$6.0741	\$6.2393	
Actual Annualized Unit Cost of Gas	<u>13.3972</u>	<u>12.0867</u>	<u>8.7096</u>	<u>9.0305</u>	<u>5.0424</u>	<u>4.7618</u>	<u>5.1802</u>	<u>3.0323</u>	<u>4.9261</u>	<u>7.8150</u>	<u>12.1438</u>	<u>11.5996</u>	
Difference	-5.7242	-4.3968	-1.0801	-2.4667	1.1699	1.4502	1.0430	3.1263	-0.1631	-3.5435	-6.0697	-5.3603	
Actual Sales Volumes	18,924	33,450	63,851	103,758	215,542	183,846	171,452	126,320	56,850	29,865	19,718	18,441	
DCCB Monthly Over/(Under) Recovery	(108,326)	(147,073)	(68,968)	(255,942)	252,159	266,621	178,831	394,910	(9,273)	(105,826)	(119,684)	(98,850)	
2001-02 DCCB Yr to Date Over/(Under) Recovery	(108,326)	(255,399)	(324,367)	(580,310)	(328,151)	(61,530)	117,301	512,211	502,938	397,112	277,428	178,578	
10% of average annual gas cost threshold	589,872	589,872	589,872	589,872	589,872	589,872	589,872	589,872	589,872	589,872	589,872	589,872	
Absolute Value Rcvry Bal that exceeds threshold	-	-	-	-	-	-	-	-	-	-	-	-	
Over/(Und) Rcvry Bal that exceeds 10% threshold	-	-	-	-	-	-	-	-	-	-	-	-	
Interest at Prime Rate - Wall Street Journal - 1%	5.00%	4.50%	4.00%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	
Carrying Costs Refunded/(Collected)	-	-	-	-	-	-	-	-	-	-	-	-	-
DCCB Percent of Avg Annual Gas Costs	-1.84%	-4.33%	-5.50%	-9.84%	-5.56%	-1.04%	1.99%	8.68%	8.53%	6.73%	4.70%	3.03%	

Note: The DCCB will become 0 at the beginning of each new ACA period (Sep).

Note: Shaded Area indicates estimate.

**Missouri Public Service
Eastern System
Estimated Deferred Carrying Cost Balance (DCCB) Calculation
2001-2002 ACA Year**

Annual Gas Cost Level													
Gas Cost from Nov 02 ACA calculation	2,389,693												
Gas Cost from Nov 01 ACA calculation	2,565,015												
Gas Cost from Nov 00 ACA calculation	<u>2,169,779</u>												
Average of 3 most recent gas cost calculations	2,374,829												
	10%												
10% of average annual gas cost threshold	237,483												
	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Total</u>
Sales Volumes (in Mcf)	7,534	9,895	19,648	30,444	66,520	56,109	54,952	44,661	16,440	9,229	8,207	7,937	331,575
Cost of Gas Purchased and Produced	109,081	132,880	189,679	261,396	321,834	248,873	257,643	168,362	324,348	120,090	128,943	126,563	2,389,693
PGA - Estimated Annualized Unit Cost of Gas	\$10.3801	\$10.3801	\$10.3743	\$8.9028	\$7.9169	\$7.9150	\$7.8002	\$6.4834	\$6.2123	\$6.4171	\$6.2135	\$6.2143	
Actual Annualized Unit Cost of Gas	<u>14.4789</u>	<u>13.4290</u>	<u>9.6538</u>	<u>8.5861</u>	<u>4.8382</u>	<u>4.4355</u>	<u>4.6885</u>	<u>3.7698</u>	<u>19.7297</u>	<u>13.0127</u>	<u>15.7108</u>	<u>15.9468</u>	
Difference	-4.0988	-3.0489	0.7205	0.3167	3.0788	3.4794	3.1117	2.7136	-13.5174	-6.5955	-9.4973	-9.7325	
Actual Sales Volumes	7,534	9,895	19,648	30,444	66,520	56,109	54,952	44,661	16,440	9,229	8,207	7,937	
DCCB Monthly Over/(Under) Recovery	(30,880)	(30,169)	14,156	9,641	204,799	195,226	170,995	121,194	(222,220)	(60,868)	(77,947)	(77,243)	
2001-02 DCCB Yr to Date Over/(Under) Recovery	(30,880)	(61,049)	(46,893)	(37,252)	167,547	362,773	533,768	654,962	432,742	371,874	293,927	216,684	
10% of average annual gas cost threshold	237,483	237,483	237,483	237,483	237,483	237,483	237,483	237,483	237,483	237,483	237,483	237,483	
Absolute Value Rcvry Bal that exceeds threshold	-	-	-	-	-	125,290	296,285	417,479	195,259	134,391	56,444	-	
Over/(Und) Rcvry Bal that exceeds 10% threshold	-	-	-	-	-	125,290	296,285	417,479	195,259	134,391	56,444	-	
Interest at Prime Rate - Wall Street Journal - 1%	5.00%	4.50%	4.00%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	
Carrying Costs Refunded/(Collected)	-	-	-	-	-	392	926	1,305	610	420	176	-	3,829
DCCB Percent of Avg Annual Gas Costs	-1.30%	-2.57%	-1.97%	-1.57%	7.06%	15.28%	22.48%	27.58%	18.22%	15.66%	12.38%	9.12%	

Note: The DCCB will become 0 at the beginning of each new ACA period (Sep).
Note: Shaded Area indicates estimate.

Prior Period Adjustment Summary
2001-2002 ACA Year

Southern System

Annual Gas Cost
Level Adjustment
Summary

Gas Cost from Nov 01 ACA calculation
Adjustments:

15,273,267.84

01/02 Tracker - 11/01 UCU Pool Gas PPA

142,242.78

Total Adjusted Gas Cost Nov 00 ACA

15,415,510.62

Gas Cost from Nov 00 ACA calculation

12,860,556.40

Adjustments:

11/00 Tracker - 09/00 - 10/00 Oneok Energy Marketing PPA

6,253.80

12/00 Tracker - 11/00 PPA Oneok Energy Marketing PPA

4,585.34

12/00 Tracker - 11/00 Imbalance PPA

354.40

12/00 Tracker - 11/00 Capacity Release PPA

(2,087.49)

01/01 Tracker - 12/00 Swing Pool PPA

278.31

Total Adjusted Gas Cost Nov 00 ACA

12,869,940.76

Gas Cost from Nov 99 ACA calculation

11,823,915.41

Adjustments:

8/99 tracker - 11/98 to 6/99 ppas for term pool gas

(10,988.29)

8/99 tracker - 5/99 ppa credit for transportation

(440.12)

11/98 tracker - credit for Case No. GR-96-192

190,000.00

5/99 tracker - 4/98 ppa credit for swing pool gas

3,952.44

5/99 tracker - 4/98 ppa debit for storage costs

(29.56)

Total Adjusted Gas Cost Nov 99 ACA

12,006,409.88

Northern System

Annual Gas Cost
Level Adjustment
Summary

Gas Cost from Nov 01 ACA calculation 6,359,459.10

09/01 Tracker - 08/01 Transportation PPA	(100.45)
02/02 Tracker - 01/02 Transportation PPA	0.36
03/02 Tracker - 02/02 Transportation PPA	(15.64)
03/02 Tracker - 02/02 Transportation Penalty	(129.05)
04/02 Tracker - 02/02 Transportation PPA	4.85
04/02 Tracker - 03/02 Transportation PPA	2.64
04/02 Tracker - 02/02 Transportation Penalty	(248.91)
05/02 Tracker - 04/02 Transportation Penalty	(134.93)
06/02 Tracker - 05/02 Transportation PPA	11.67
06/02 Tracker - 05/02 Transportation Penalty	(325.58)
07/02 Tracker - 05/02 Transportation PPA	93.69
07/02 Tracker - 06/02 Transportation Penalty	(114.75)
08/02 Tracker - 06/02 Transportation PPA	47.29
08/02 Tracker - 07/02 Transportation Penalty	(165.60)

Total Adjusted Gas Cost Nov 00 ACA 6,358,384.69

Gas Cost from Nov 00 ACA calculation 4,988,180.22

11/00 Tracker - 08/00 Transportation PPA	(153.95)
01/01 Tracker - 11/00 PEPL Transportation PPA	(21.13)
02/01 Tracker - 11/00 PEPL Transportation PPA	(1,479.86)

Total Adjusted Gas Cost Nov 00 ACA 4,986,525.28

Gas Cost from Nov 99 ACA calculation 4,409,125.53

9/98 tracker - 5/98 ppa debit for Aquila invoice	(1,190.88)
9/98 tracker - 8/98 ppa debit for transportation	(26.37)
9/98 tracker - 7/98 ppa debit for transportation	(2,256.16)
10/98 tracker - 8/98 ppa debit for transportation	(2.88)
2/99 tracker - 11/97 ppa credit for Duke invoice	146,459.85
2/99 tracker - 12/97 ppa debit for Southern invoice	(3,611.50)
2/99 tracker - 11/97 ppa credit for Aquila invoice	6,748.28
3/99 tracker - 11/97-7/98 ppa credits for transportation	15,158.73
4/99 tracker - 12/97 ppa credit for capacity release	82.42
4/99 tracker - 12/97 ppa debit for transportation	(173.86)
2/99 tracker - 3/97 ppa credit for overrun charge	67,672.64
3/99 tracker - 3/97 ppa debit for overrun charge	(3,600.00)

Total Adjusted Gas Cost Nov 99 ACA 4,634,385.80

Eastern System

Annual Gas Cost
Level Adjustment
Summary

Gas Cost from Nov 01 ACA calculation
Adjustments:

2,389,239.33

04/02 Tracker - 03/02 Imbalance PPA	(646.30)
04/02 Tracker - 03/02 Transportation Penalty	(41.16)
05/02 Tracker - 04/02 Transportation Penalty	(28.55)
05/02 Tracker - 03/02 Transportation PPA	35,682.56
05/02 Tracker - 02/02 Transportation PPA	35,124.04
05/02 Tracker - 01/02 Transportation PPA	23,485.16
05/02 Tracker - 12/01 Transportation PPA	37,205.12
05/02 Tracker - 11/01 Transportation PPA	45,497.56
06/02 Tracker - 05/02 Transportation Penalty	(448.14)
07/02 Tracker - 06/02 Transportation Penalty	(22.47)
08/02 Tracker - 07/02 Transportation Penalty	(31.74)

Total Adjusted Gas Cost Nov 00 ACA

2,565,015.41

Gas Cost from Nov 00 ACA calculation
Adjustments:

2,169,696.74

03/01 Tracker - 11/00 PEPL Transportation PPA	(121.88)
03/01 Tracker - 12/00 PEPL Transportation PPA	203.84

Total Adjusted Gas Cost Nov 00 ACA

2,169,778.70

Gas Cost from Nov 99 ACA calculation
Adjustments:

1,927,296.91

Subtract out reversal of estimate in Nov 99 ACA calc.	(358,126.99)
9/98 tracker - 98 portion of PEPL pipeline credit	234,421.43
9/98 tracker - 8/98 ppa debit for H & P invoice	(29.33)
9/98 tracker - 2/98 ppa credit for H & P invoice	538.65
9/98 tracker - 12/97 ppa credit for MoPipe invoice	7,012.11
9/98 tracker - 97 portion of PEPL pipeline credit	65,558.57
9/98 tracker - 96 portion of PEPL pipeline credit	4,979.26
9/98 tracker - 95 portion of PEPL pipeline credit	39,477.57
12/98 tracker - 10/97 ppa credit for Aquila invoice	76.59
3/99 tracker - 12/97 ppa credit for MoGas invoice	6,190.80

Total Adjusted Gas Cost Nov 99 ACA

1,927,395.57

**Missouri Public Service
Southern System
2001-2002 Winter Season Revenue Impact from Winter PGA Filing**

Original Calculation Filed

Month	PGA Factor	Month	PGA Factor	PGA Change (11/02)	Revenue Impact (Winter Season)
Nov-01	6.5449	Nov-02	5.0325	(1.5124)	(467,386)
Dec-01	6.5449	Dec-02	5.0325	(1.5124)	(862,495)
Jan-02	6.5449	Jan-03	5.0325	(1.5124)	(1,137,145)
Feb-02	6.5449	Feb-03	5.0325	(1.5124)	(1,045,595)
Mar-02	6.5449	Mar-03	5.0325	(1.5124)	(766,127)
Estimated Winter Season Change in Revenue					(4,278,748)
Percent Change Between PGA Factors					-23.11%

Firm Sales Volume @ Burnertip

3,823,123

Month	Estimated Customer Usage Mcf/Mnth	Estimated % Mcf/Yr	Estimated Company Sales Mcf/Mnth
Jan	23.6	19.67%	751,881
Feb	21.7	18.08%	691,348
Mar	15.9	13.25%	506,564
Apr	9.6	8.00%	305,850
May	5.3	4.42%	168,855
Jun	3.6	3.00%	114,694
Jul	2.8	2.33%	89,206
Aug	2.7	2.25%	86,020
Sep	3	2.50%	95,578
Oct	4.2	3.50%	133,809
Nov	9.7	8.08%	309,036
Dec	17.9	14.92%	570,283
TOTAL	120	100%	3,823,123

Note: Estimated Customer Usage Obtained from Missouri Public Service Commission.

**Missouri Public Service
Northern System
2001-2002 Winter Season Revenue Impact from Winter PGA Filing**

Original Calculation Filed

Month	PGA Factor	Month	PGA Factor	PGA Change (11/00)	Revenue Impact (Winter Season)
Nov-01	6.7395	Nov-02	5.0302	(1.7093)	(202,939)
Dec-01	6.7395	Dec-02	5.0302	(1.7093)	(374,495)
Jan-02	6.7395	Jan-03	5.0302	(1.7093)	(493,748)
Feb-02	6.7395	Feb-03	5.0302	(1.7093)	(453,997)
Mar-02	6.7395	Mar-03	5.0302	(1.7093)	(332,652)

Estimated Winter Season Change in Revenue (1,857,830)

Percent Change Between PGA Factors -25.36%

Firm Sales Volume @ Burnertip

1,468,777

Month	Estimated Customer Usage Mcf/Mnth	Estimated % Mcf/Yr	Estimated Company Sales Mcf/Mnth
Jan	23.6	19.67%	288,859
Feb	21.7	18.08%	265,604
Mar	15.9	13.25%	194,613
Apr	9.6	8.00%	117,502
May	5.3	4.42%	64,871
Jun	3.6	3.00%	44,063
Jul	2.8	2.33%	34,271
Aug	2.7	2.25%	33,047
Sep	3	2.50%	36,719
Oct	4.2	3.50%	51,407
Nov	9.7	8.08%	118,726
Dec	17.9	14.92%	219,093
TOTAL	120	100%	1,468,777

Note: Estimated Customer Usage Obtained from Missouri Public Service Commission.

**Missouri Public Service
Eastern System
2001-2002 Winter Season Revenue Impact from Winter PGA Filing**

Original Calculation Filed

Month	PGA Factor	Month	PGA Factor	PGA Change (11/00)	Revenue Impact (Winter Season)
Nov-01	10.8009	Nov-02	8.8234	(1.9775)	(60,593)
Dec-01	10.8009	Dec-02	8.8234	(1.9775)	(111,816)
Jan-02	10.8009	Jan-03	8.8234	(1.9775)	(147,422)
Feb-02	10.8009	Feb-03	8.8234	(1.9775)	(135,553)
Mar-02	9.0992	Mar-03	8.8234	(0.2758)	(13,852)
Estimated Winter Season Change in Revenue					(469,236)
Percent Change Between PGA Factors					-18.31%

Firm Sales Volume @ Burnertip

379,066

Month	Estimated Customer Usage Mcf/Mnth	Estimated % Mcf/Yr	Estimated Company Sales Mcf/Mnth
Jan	23.6	19.67%	74,550
Feb	21.7	18.08%	68,548
Mar	15.9	13.25%	50,226
Apr	9.6	8.00%	30,325
May	5.3	4.42%	16,742
Jun	3.6	3.00%	11,372
Jul	2.8	2.33%	8,845
Aug	2.7	2.25%	8,529
Sep	3	2.50%	9,477
Oct	4.2	3.50%	13,267
Nov	9.7	8.08%	30,641
Dec	17.9	14.92%	56,544
TOTAL	120	100%	379,066

Note: Estimated Customer Usage Obtained from Missouri Public Service Commission.