

**FILED<sup>2</sup>**

FEB 23 2001

Missouri Public  
Service Commission

GR-2001-461

MISSOURI PUBLIC SERVICE

**ENERGYONE**

A Division of UtiliCorp United

February 23, 2001

Mr. Dale Hardy Roberts, Secretary, Chief Regulatory Law Judge  
Missouri Public Service Commission  
301 West High  
Jefferson City, MO 65101

Dear Mr. Roberts:

Introductory Comments

Missouri Public Service recognizes that many other companies have made unscheduled filings earlier in the winter. In waiting to file its unscheduled PGA request, MPS's goal was to protect its customers from even higher natural gas bills caused by the combination of historically high gas supply costs coupled with increased customer usage during the colder-than-normal winter heating season. Although gas prices on the commodity markets have recently declined, MPS is filing to increase its gas rates because it has absorbed the cumulative effect of higher natural gas supply costs during November, December and January.

The requested effective date for the unscheduled winter Purchased Gas Adjustment rates is less than thirty days from the date of filing. As outlined on PSC MO No. 5, 4<sup>th</sup> Revised Sheet No. 34, Missouri Public Service is requesting that this PGA filing become effective ten business days after the date of the filing. In this way, MPS will recover its gas costs and at the same time spread out the period of cost recovery during months when consumers use less gas. The company designed this approach to insulate MPS customers from greater price spikes in their winter heating bills. Missouri Public Service is filing a motion for a variance to forgo recovery of carrying costs incurred.

200100868

**MISSOURI PUBLIC SERVICE**  
**ENERGYONE**

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Details of Unscheduled Filing

Enclosed are an original and two copies of FERC MO. No. 5, 22nd Revised Sheet No. 43, 25<sup>th</sup> Revised Sheet No. 44, and 15<sup>th</sup> Revised Sheet No. 44.1 reflecting a change in the Purchased Gas Adjustment of the Missouri Public Service Purchased Gas Adjustment Clause.

This unscheduled Purchased Gas Adjustment filing for the Missouri Public Service Southern, Northern and Eastern Systems is because of a large under recovery in the winter period since the winter filing effective November 21, 2000.

Enclosures 1, 2 and 3 reflect the Purchased Gas Adjustment calculations for the Southern, Northern, and Eastern Systems. The tariff rate changes for the Southern System are based on the Williams Gas Pipelines Central, Inc. filings of their FERC Gas Tariffs, Eleventh Revised Sheet No. 6, Seventeenth Revised Sheet No. 6A and Third 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, Fifty-Ninth Revised Sheet No. 5, Sixty-Second Revised Sheet No. 7, Eleventh Revised Sheet No. 9, Thirteenth Revised Sheet No. 11 and Twenty-Sixth Revised Sheet No. 19.

Enclosures 4, 5 and 6 reflect the estimated Deferred Carrying Cost Balance through August 2001 for the Southern, Northern, and Eastern Systems. The Southern System projected under recovery through March 2001 is 59.58% of Missouri Public Service's Annual Gas Cost Level. The Northern System projected under recovery through March 2001 is 19.44%, and the Eastern System is 41.04%. These levels are higher than the 15% required to make an unscheduled winter Purchased Gas Adjustment filing.

Enclosure 7 contains the estimate for Missouri Public Service spot gas purchases for the period of March through August 2001 for each of the three systems. Enclosures 8, 9 and 10 detail the normal gas purchases for the Southern, Northern and Eastern systems.

Enclosure 11 details Missouri Public Service storage by month for October through December 2000 as requested in the Missouri Public Service Commission letter dated December 22, 2000 from Thomas Imhoff. Enclosure 12 contains current gas purchase information for the months of November through January as requested in Mr. Imhoff's letter.

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Omaha, Nebraska 68105

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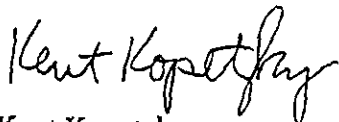
The Southern System seasonal revenue impact associated with the gas cost recovery portion of the rates is an increase in the amount of \$1,003,857 or 33.61% for the remainder of the winter season as determined on Enclosure 13.

The Northern System seasonal revenue impact associated with the gas cost recovery portion of the rates is an increase in the amount of \$376,012 or 28.83% for the remainder of the winter season as determined on Enclosure 14.

The Eastern System seasonal revenue impact associated with the gas cost recovery portion of the rates is an increase in the amount of \$119,468 or 25.66% for the remainder of the winter season as determined on Enclosure 15.

Enclosure 16 outlines the measures taken by Missouri Public Service to mitigate the effects of high index pricing. It includes pricing and storage information.

Sincerely,



Kent Kopetzky  
Regulatory Analyst

Enclosures

cc: Office of the Public Counsel (2)

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION

P.S.C. MO. No. 5 22nd ~~(Original)~~ SHEET NO. 43  
 Cancelling P.S.C. MO. No. 5 21st ~~(Original)~~ SHEET NO. 43  
 (Revised) (Revised)

MISSOURI PUBLIC SERVICE  
 KANSAS CITY, MO 64138

FOR: Southern System

PURCHASED GAS ADJUSTMENT CLAUSE  
 (CONTINUED)

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	\$ .76758	\$ .76758	\$ .73525
Actual Cost Adjustment	\$.02614	\$.02614	\$(-.00777)
Refunds	\$(-.00598)	\$(-.00598)	\$ -0-
TOP Factor	\$ -0-	\$ -0-	\$ -0-
TC Factor	\$ -0-	\$ -0-	\$ -0-
Total PGA Per Ccf	\$ .78774	\$ .78774	\$.72748

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.

The ACA, Refund, TOP and TC factors as contained herein shall apply to all Ccf delivered to end-users receiving service under the Experimental SVTS-A schedule on an interim basis until the effective date of the Company's scheduled winter 2001 PGA filing.

P.S.C. MO. No. 5 25th (Original) SHEET NO. 44Cancelling P.S.C. MO. No. 5 24th (Revised) SHEET NO. 44  
(Original)  
(Revised)MISSOURI PUBLIC SERVICE  
KANSAS CITY, MO 64138

FOR: Northern System

PURCHASED GAS ADJUSTMENT CLAUSE  
(CONTINUED)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	\$ .81899	\$ .81899	\$ .70326
Actual Cost Adjustment	\$ .04738	\$ .04738	\$ -0-
Refunds	\$ (.00289)	\$ (.00289)	\$ -0-
TOP Factor	\$ -0-	\$ -0-	\$ -0-
TC Factor	\$ -0-	\$ -0-	\$ -0-
Total PGA Per Ccf	\$ .86348	\$ .86348	\$ .70326

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.

The ACA, Refund, TOP and TC factors as contained herein shall apply to all Ccf delivered to end-users receiving service under the Experimental SVTS-A schedule on an interim basis until the effective date of the Company's scheduled winter 2001 PGA filing.

## STATE OF MISSOURI, PUBLIC SERVICE COMMISSION

P.S.C. MO. No. 5 15th (Original) SHEET NO. 44.1Cancelling P.S.C. MO. No. 5 14th (Revised) SHEET NO. 44.1  
(Original)  
(Revised)MISSOURI PUBLIC SERVICE  
KANSAS CITY, MO 64138

FOR: Eastern System

PURCHASED GAS ADJUSTMENT CLAUSE  
(CONTINUED)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	\$ 1.08802	\$ 1.08802	\$ .95936
Actual Cost Adjustment	\$ .07674	\$ .07674	\$ -0-
Refunds	\$ -0-	\$ -0-	\$ -0-
TOP Factor	\$ -0-	\$ -0-	\$ -0-
TC Factor	\$ -0-	\$ -0-	\$ -0-
Total PGA Per Ccf	\$ 1.16476	\$ 1.16476	\$ .95936

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.

The ACA, Refund, TOP and TC factors as contained herein shall apply to all Ccf delivered to end-users receiving service under the Experimental SVTS-A schedule on an interim basis until the effective date of the Company's scheduled winter 2001 PGA filing.

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

Enclosure 1

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	\$0.5083	\$155,003
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	\$0.0550	\$26,148
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	\$0.0550	\$6,924
GSR Costs					\$250,608
Spot Market Purchases	3,896,019			\$6.5303	\$25,442,173
Total Annual Cost					<u>\$29,345,409</u>
Sales Volume at Burnertip	3,823,123				
Cost per MCF at Burnertip					<u>\$7.6758</u>

Highest WACOG (Winter Period)	Nov 97 - Mar 98	Nov 98 - Mar 99	Nov 99 - Mar 00	Average WACOG
	\$2.4154	\$2.3420	\$2.6331	\$2.4635
Highest Avg WACOG-Winter Period (Avg of winter seasons with the highest of 3 averages)				\$2.5483
			February 2001 Gas Commodity Costs	\$6.5303

<u>INTERRUPTIBLE</u>					
<u>Williams Natural Gas</u>					
ITS-P					
Commodity	126,964			@150%	\$39,251
				\$0.3092	
ITS-M					
Commodity	125,491			@150%	\$20,217
				\$0.1611	
Spot Market Price Per MCF	129,542			\$6.5303	\$845,945
Total Annual Cost					<u>\$905,413</u>
Sales Volume at Burnertip	123,143				
Cost per MCF at Burnertip					<u>\$7.3525</u>

**MISSOURI PUBLIC SERVICE - SOUTHERN SYSTEM**  
**Gas Cost Inputs**

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

WNG Rates

**Firm Rates**

TSS  
 No-Notice Fee \$0.0154  
 Reservation - FSS Deliverability \$0.5083  
 Reservation - FSS Capacity \$0.0290  
 Reservation - FTS-P \$5.6118  
 Reservation - FTS-M \$2.8014  
 GRI \$0.0550

FTS  
 Production - Reservation \$5.6118  
 Production - Balancing \$0.1604  
 Market - Reservation \$2.8014  
 Market - Balancing \$0.1604  
 Market - GRI \$0.0550

Production  
 Commodity - FTS-P \$0.0124  
 GRI Funding Unit - Commodity - Others \$0.0070  
 FERC Annual Charge Adjustment \$0.0022  
 Production Field Zone \$0.0216

Commodity - FTS-M \$0.0061  
 GRI Funding Unit - Commodity - Others \$0.0070  
 FERC Annual Charge Adjustment \$0.0022  
 Market Zone \$0.0153

Injection/Withdrawal - FSS \$0.0122

**Interruptible Rates**

ITS-P  
 Commodity-Winter \$0.1969

ITS-M  
 Commodity-Winter \$0.0982  
 GRI Funding Unit - Commodity - Others \$0.0070  
 FERC Annual Charge Adjustment \$0.0022

WNG Production Area Loss 1.99%  
 WNG Market Area Loss 1.16%  
 WNG Storage Loss 1.82%

Note: From FERC Gas Tariff: Eleventh Revised Sheet No. 6 Effective 11/1/99, Seventeenth Revised Sheet No. 6A Effective 1/1/01, and Third Revised Sheet No. 6B Effective 1/1/01.

Calculated Inputs

	<u>Firm</u>	<u>Storage</u>	Total <u>Firm</u>	<u>Interruptible</u>	Total <u>System</u>
Annual Throughput at Bumertip 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	2,876,348	1,065,393	3,941,741	126,964	4,068,705
Annual Throughput at Wellhead	2,934,749	1,087,025	4,021,774	129,542	4,151,316

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

INSIDE FERC FEBRUARY 2001	\$6.29
WNG Market Area Loss	1.16%
WNG Production Area Loss	<u>1.99%</u>
WNG Index Adjusted for Fuel	\$6.49
WNG Cost/Dth Field Zone	\$0.0218
WNG Cost/Dth - Market Zone	<u>\$0.0155</u>
	\$6.5303
Total Gas Commodity Costs	<b>\$6.5303</b>

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

Enclosure 2

FIRM	Annual Volume	Monthly Capacity Reserved	No. Of Mth Reserved	Tariff/ Contracted Rate	Annual Cost
<u>Panhandle Eastern Pipe Line</u>					
<b>Contract 17005</b>					
<u>EFT Reservation Rates</u>					
Field Zone Reservation		18,000	5	\$4.1676	\$375,087
Market Zone Access		18,000	5	\$2.9023	\$261,207
Market Zone Mileage		18,000	5	\$1.5927	\$143,345
Field Zone Reservation		10,000	7	\$4.1676	\$291,735
Market Zone Access		10,000	7	\$2.9023	\$203,161
Market Zone Mileage		10,000	7	\$1.5927	\$111,491
					\$0
					\$0
<b>Contract 17004</b>					
FS Storage	800,000			\$1.1081	\$886,480
Spot Market Purchases	1,521,875			\$6.4109	\$9,756,588
Total Annual Cost					<u>\$12,029,094</u>
Sales Volume at Burnertip	1,468,777				
Cost per MCF at Burnertip					<u>\$8.1899</u>

Highest WACOG (Winter Period)	Nov 97 - Mar 98	Nov 98 - Mar 99	Nov 99 - Mar 00	Average WACOG
	\$2.4218	\$2.1525	\$2.3949	\$2.3231
Highest Avg WACOG-Winter Period (Avg of winter seasons with the highest 3 averages)				\$2.3724
				February 2001 Gas Commodity Costs
				\$6.4109

<u>INTERRUPTIBLE</u>			
<u>Panhandle Eastern Pipe Line</u>			
<u>IT Interruptible Rates</u>			@150%
Field Zone		\$0.2621	\$0.2621
Market Zone Access		\$0.1382	\$0.1382
Market Zone Mileage		\$0.0999	\$0.0999
GRI Funding Unit		\$0.0999	\$0.0999
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		\$0.0189	\$0.0189
Spot Market Price Per MCF	\$6.4109		\$6.4109
Total Annual Cost			<u>\$7.0326</u>
Sales Volume at Burnertip			
Cost per MCF at Burnertip			<u>\$7.0326</u>

**MISSOURI PUBLIC SERVICE - NORTHERN SYSTEM  
Gas Cost Inputs**

MPS Line Loss 3.489%  
Annual Burnertip Sales 1,468,777

Contract  
17005

<u>PEPL Rates</u>	<u>Tariff</u>	<u>Discount Rate</u>
<u>PEPL EFT Reservation Rates</u>	<u>Rate</u>	
Field Zone Reservation	\$4.7100	\$4.1676
Market Zone Access	\$3.2800	\$2.9023
Market Zone Mileage 201-300 Block	\$1.8000	\$1.5927
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	\$0.0195
Market Zone Access	\$0.0006
Market Zone Mileage	\$0.0075
GRI Funding Unit	\$0.0000
ACA Unit Charge	\$0.0022
TOP Volumetric Surcharge	\$0.0000
Settlement Surcharges	(\$0.0003)
Total Market Zone Commodity	\$0.0100

<u>PEPL IT Interruptible Rates</u>	
Field Zone	\$0.1747
Market Zone Access	\$0.0921
Market Zone Mileage	\$0.0666
GRI Funding Unit	\$0.0666
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	\$0.0126
<u>PEPL Flexible Storage Rates</u>	
FS 100% load factor	\$1.1147
FS commodity	\$0.0066

<u>Seasonal Sales Volume @ Burnertip</u>	
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
	1,468,777

PEPL Gathering Loss	0.44%
PEPL Field Zone Loss	0.81%
PEPL Market Zone Loss	1.23%
PEPL Storage Injection Loss	1.26%
PEPL Storage Withdrawal Loss	0.23%

Note: From FERC Gas Tariff: PEPL Fifty-Ninth Revised Sheet No. 5 Effective 1/1/01, Sixty-Second Revised Sheet No. 7 Effective 1/1/01, Eleventh Revised Sheet No. 9 Effective 11/01/00, Thirteenth Revised Sheet No. 11 Effective 11/01/00 and Twenty-Sixth Revised Sheet No. 19 Effective 10/01/00

<u>Calculated Inputs</u>	<u>Firm</u>		<u>Storage</u>		<u>Total</u>	
	<u>Firm</u>	<u>Storage</u>	<u>Firm</u>	<u>Interruptible</u>	<u>Total</u>	
Annual Throughput at Burnertip Per GR-93-172	884,284	584,493	1,468,777	0	1,468,777	
Annual Throughput at Citygate	916,252	605,623	1,521,875	0	1,521,875	
Annual Throughput at Havenpool	927,662	614,579	1,542,241	0	1,542,241	
Annual Throughput at Wellhead	935,237	627,504	1,562,741	0	1,562,741	

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

INSIDE FERC FEBRUARY 2001	\$6.22
PEPL Market Zone Fuel Loss	1.23%
PEPL Field Zone Fuel Loss	0.88%
Gathering Fuel Loss	<u>0.44%</u>
PEPL Index Adjusted for Fuel	\$6.3814
PEPL Cost/Dth Field Zone	\$0.0195
PEPL Cost/Dth - Market Zone	<u>\$0.0100</u>
	\$6.4109
Total Gas Commodity Costs	<b>\$6.4109</b>

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

<b>FIRM</b>	<b>Annual/ Seasonal Volume</b>	<b>Monthly Capacity Reserved</b>	<b>No. of Mths Reserved</b>	<b>Tariff Rate</b>	<b>Annual Cost</b>
<b><u>Panhandle Eastern Pipe Line</u></b>					
Winter (Nov-Mar)					
FT Reservation (Field Zone)		5,200	5	\$4.7100	\$122,460
FT Reservation (Market Zone)		5,200	5	\$5.7700	\$150,020
					<hr/>
					\$272,480
Winter Sales Volume at Burnertip	273,300				
Winter Cost per MCF at Burnertip					<hr/>
					\$0.9970
Summer (Apr-Oct) Volumetric Rate					
100% LF of Max Rate (Fld-4 Blks)					\$0.3445
Summer Cost per MCF at Burnertip					<hr/>
					\$0.3445
<b><u>Missouri Pipeline Company</u></b>					
<b>Rolla</b>					
FT Reservation		2,695	12	\$4.3181	\$139,647
<b>Salem</b>					
FT Reservation		2,500	12	\$1.0000	\$30,000
<b>Owensville</b>					
FT Reservation		1,900	12	\$0.5000	\$11,400
<b><u>Missouri Gas Company</u></b>					
<b>Rolla</b>					
FT Reservation		2,695	12	\$5.7500	\$185,955
<b>Salem</b>					
FT Reservation		2,500	12	\$13.1700	\$395,100
<b>Owensville</b>					
FT Reservation		1,900	12	\$8.0000	\$182,400
Total Eastern System MoPipe & MoGas Costs					<hr/>
					\$944,502
Spot Market Purchases	380,336			\$7.3668	\$2,801,862
Total Eastern System Costs					<hr/>
					\$3,746,364
Sales Volume at Burnertip	379,066				
Cost per MCF at Burnertip					<hr/>
					\$9.8832
Winter PGA					
Total Cost per MCF at Burnertip					<hr/>
					\$10.8802
Highest WACOG (Winter Period)					
		Nov 97 - Mar 98	Nov 98 - Mar 99	Nov 99 - Mar 00	Average WACOG
		\$2.3285	\$2.0449	\$2.6531	\$2.3422
Highest Avg WACOG-Winter Period (Avg of winter seasons with the highest of 3 averages)					\$2.4976
					February 2001 Gas Commodity Costs
					\$6.8668
					Adjustment for Unscheduled PGA Filing
					\$0.5000
					Total Feb 2000 Gas Commodity Costs Including Adjustment
					\$7.3668
<b>INTERRUPTIBLE</b>					
<b><u>Panhandle Eastern Pipe Line</u></b>					
IT (Field Zone)	\$0.1747		@ 150%		\$0.2621
IT (Market Zone)	\$0.1898		@ 150%		\$0.2847
<b><u>Missouri Pipeline Company</u></b>					
Commodity	\$0.3036				\$0.3036
<b><u>Missouri Gas Company</u></b>					
Commodity	\$1.3765				\$1.3765
Spot Market Price Per MCF	\$7.3668				\$7.3668
Cost per MCF at Burnertip					<hr/>
					\$9.5936

**MISSOURI PUBLIC SERVICE - EASTERN SYSTEM**  
**Gas Cost Inputs**

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

**PEPL RATES**

PEPL EFT Reservation Rates

Field Zone Reservation \$4.71  
 Market Zone Access \$3.28  
 Market Zone Mileage 301-400 Block \$2.40  
 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

PEPL Interruptible Rates

Field Zone \$0.1747  
 Market Zone Access \$0.0921  
 Market Zone Mileage \$0.0888  
 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

PEPL Gathering Loss 0.44%  
 PEPL Field Zone Loss 0.88%  
 PEPL Market Zone Loss 1.64%

PEPL EFT Commodity Rates

Market Zone Access \$0.0006  
 Market Zone Mileage 301-400 \$0.0100  
 GRI Funding Unit \$0.0070  
 ACA Unit Charge \$0.0022  
 TOP \$0.0000  
 Settlement Charges (\$0.0003)  
 EFT Commodity Rates \$0.0195  
 Field Zone Commodity \$0.0195  
 Total EFT Commodity Rates \$0.0390

Note: From FERC Gas Tariff: PEPL Fifty-Ninth Revised Sheet No. 5 Effective 1/01/01, Sixty-second Revised Sheet No. 7 Effective 1/01/01, and Twenty-Sixth Revised Sheet No. 19 Effective 10/01/00.

Annual Throughput at Burnertip 379,066  
 Annual Throughput at Citygate 380,336  
 MOGAS & MPC 381,979  
 Annual Throughput at Wellhead 391,796

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 52,121  
 TOTAL 379,066

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

INSIDE FERC FEBRUARY 2001	\$6.22
MoGas/MoPipe Fuel Loss	0.43%
PEPL Market Zone Fuel Loss	1.64%
PEPL Field Zone Fuel Loss	0.88%
Gathering Fuel Loss	<u>0.44%</u>

PEPL Index Adjusted for Fuel \$6.44

PEPL Cost/Dth Field Zone	\$0.0195
PEPL Cost/Dth - Market Zone	<u>\$0.0197</u>
Total PEPL Commodity Cost	\$6.4749

PEPL Cost	\$6.4749
MoPipe Cost/Dth - Rolla	\$0.1699
MoGas Cost/Dth - Rolla	\$0.2500

**Rolla** **\$6.8948**

PEPL Cost	\$6.4749
MoPipe Cost/Dth - Salem	\$0.0750
MoGas Cost/Dth - Salem	\$0.3200

**Total Salem** **\$6.8699**

PEPL Cost	\$6.4749
MoPipe Cost/Dth - Owensville	\$0.0500
MoGas Cost/Dth - Owensville	\$0.0800

**Total Owensville** **\$6.6049**

		Percent Split	
Rolla	\$6.8948	69.85%	\$4.8160
Salem	\$6.8699	22.42%	\$1.5402
Owensville	\$6.6049	7.73%	\$0.5106

\$6.8668

Total Gas Commodity Costs **\$6.8668**

**Missouri Public Service  
Southern System  
Estimated Deferred Carrying Cost Balance (DCCB) Calculation  
2000-2001 ACA Year**

Annual Gas Cost Level  
Gas Cost from Nov 00 ACA calculation  
Gas Cost from Nov 99 ACA calculation  
Gas Cost from Nov 98 ACA calculation  
Average of 3 most recent gas cost calculations

12,860,556  
12,008,410  
12,833,040  
12,566,669

10%  
10% of average annual gas cost threshold

1,256,667

	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
Sales Volumes (in Mcf)	83,142	136,353	248,663	577,009	861,283	581,598	453,075	308,568	166,367	92,045	85,531	75,252	3,668,887
Cost of Gas Purchased and Produced	713,842	1,330,835	2,705,018	7,011,665	7,473,433	2,755,724	2,146,479	1,457,079	912,440	650,281	629,008	592,546	28,378,349
PGA - Estimated Annualized Unit Cost of Gas	\$5.4426	\$5.4426	\$5.5264	\$5.6941	\$5.6941	\$5.6941	\$5.6941	\$7.6758	\$7.6758	\$7.6758	\$7.6758	\$7.6758	\$7.6758
Actual Annualized Unit Cost of Gas	<u>8.5858</u>	<u>9.7603</u>	<u>10.8782</u>	<u>12.1517</u>	<u>8.6771</u>	<u>4.7382</u>	<u>4.7376</u>	<u>4.7221</u>	<u>5.4845</u>	<u>7.0648</u>	<u>7.3541</u>	<u>7.8741</u>	<u>7.8741</u>
Difference	-3.1432	-4.3177	-5.3518	-6.4576	-2.9830	0.9559	0.9565	2.9537	2.1913	0.6110	0.3217	-0.1993	
Actual Sales Volumes	83,142	136,353	248,663	577,009	861,283	581,598	453,075	308,568	166,367	92,045	85,531	75,252	
DCCB Monthly Over/(Under) Recovery	(261,331)	(588,723)	(1,330,806)	(3,726,120)	(2,569,200)	555,952	433,377	911,430	364,560	56,240	27,512	(14,924)	
2000-01 DCCB Yr to Date Over/(Under) Recovery	(261,331)	(850,054)	(2,180,860)	(5,906,979)	(8,476,179)	(7,920,227)	(7,486,850)	(6,575,421)	(6,210,860)	(6,154,620)	(6,127,108)	(6,142,032)	
10% of average annual gas cost threshold	1,256,667	1,256,667	1,256,667	1,256,667	1,256,667	1,256,667	1,256,667	1,256,667	1,256,667	1,256,667	1,256,667	1,256,667	
Absolute Value Rcvry Bal that exceeds threshold	-	-	924,193	4,650,312	7,219,512	6,663,560	6,230,183	5,318,754	4,954,193	4,897,953	4,870,441	4,885,365	
Over/(Und) Rcvry Bal that exceeds 10% threshold	-	-	(924,193)	(4,650,312)	(7,219,512)	(6,663,560)	(6,230,183)	(5,318,754)	(4,954,193)	(4,897,953)	(4,870,441)	(4,885,365)	
Interest at Prime Rate - Wall Street Journal - 1%	8.50%	8.50%	8.50%	8.50%	8.50%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	
Carrying Costs Refunded/(Collected)	-	-	(6,546)	(32,940)	(51,138)	(41,647)	(38,939)	(33,242)	(30,964)	(30,612)	(30,440)	(30,534)	(327,002)
DCCB Percent of Avg Annual Gas Costs	-2.08%	-6.76%	-17.35%	-47.01%	-67.45%	-63.03%	-59.58%	-52.32%	-49.42%	-48.98%	-48.76%	-48.88%	

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

Missouri Public Service  
Prior Period Adjustment Summary  
2000-2001 ACA Year

**Southern System**

Annual Gas Cost  
Level Adjustment  
Summary

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Gas Cost from Nov 00 ACA calculation 12,860,556.40  
Adjustments:

Total Adjusted Gas Cost Nov 00 ACA 12,860,556.40

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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

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Gas Cost from Nov 98 ACA calculation 12,815,627.94  
Adjustments:

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  
  
9/97 tracker - ppa for 8/97 (a) 1,089.64  
1/98 tracker - ppa for 7/97 (b) 3,323.19  
7/98 tracker - ppa for 7/97 (c) 13,096.47  
7/98 tracker - ppa for 7/97 (d) 2,313.71  
7/98 tracker - ppa for 7/97 (e) 1,511.64

Total Adjusted Gas Cost Nov 98 ACA 12,833,039.71

**Missouri Public Service  
Northern System  
Estimated Deferred Carrying Cost Balance (DCCB) Calculation  
2000-2001 ACA Year**

	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
<b>Annual Gas Cost Level</b>													
Gas Cost from Nov 00 ACA calculation													
Gas Cost from Nov 99 ACA calculation													
Gas Cost from Nov 98 ACA calculation													
Average of 3 most recent gas cost calculations	4,961,093												
10% of average annual gas cost threshold	496,109												
<b>Sales Volumes (in Mcf)</b>	22,708	41,831	80,384	223,108	280,594	207,443	167,952	110,372	51,506	26,555	22,128	20,646	1,255,227
<b>Cost of Gas Purchased and Produced</b>	298,218	438,255	840,560	1,719,003	1,648,643	1,315,146	1,070,021	721,504	431,788	329,488	297,808	290,982	9,401,417
<b>PGA - Estimated Annualized Unit Cost of Gas</b>	\$5.8980	\$5.8980	\$6.0179	\$6.2578	\$6.2578	\$6.2578	\$6.2578	\$8.1899	\$8.1899	\$8.1899	\$8.1899	\$8.1899	\$8.1899
<b>Actual Annualized Unit Cost of Gas</b>	13.1327	10.4789	10.4569	7.7048	5.8755	6.3398	6.3710	6.5370	8.3832	12.4077	13.4585	14.0939	14.0939
<b>Difference</b>	-7.2347	-4.5789	-4.4390	-1.4470	0.3823	-0.0820	-0.1132	1.6529	-0.1933	-4.2178	-5.2686	-5.9040	-5.9040
<b>Actual Sales Volumes</b>	22,708	41,831	80,384	223,108	280,594	207,443	167,952	110,372	51,506	26,555	22,128	20,646	
<b>DCCB Monthly Over/(Under) Recovery</b>	(164,287)	(191,537)	(356,820)	(322,839)	107,260	(17,008)	(19,009)	182,428	(9,958)	(112,004)	(116,583)	(121,894)	
<b>2000-01 DCCB Yr to Date Over/(Under) Recovery</b>	(164,287)	(355,824)	(712,644)	(1,035,483)	(928,223)	(945,231)	(964,240)	(781,812)	(781,769)	(903,773)	(1,020,356)	(1,142,250)	
<b>10% of average annual gas cost threshold</b>	496,109	496,109	496,109	496,109	496,109	496,109	496,109	496,109	496,109	496,109	496,109	496,109	
<b>Absolute Value Rcvry Bal that exceeds threshold</b>	-	-	216,535	539,374	432,114	449,122	468,131	285,703	295,660	407,664	524,246	646,140	
<b>Over/(Und) Rcvry Bal that exceeds 10% threshold</b>	-	-	(216,535)	(539,374)	(432,114)	(449,122)	(468,131)	(285,703)	(295,660)	(407,664)	(524,246)	(646,140)	
<b>Interest at Prime Rate - Wall Street Journal - 1%</b>	8.50%	8.50%	8.50%	8.50%	8.50%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	
<b>Carrying Costs Refunded/(Collected)</b>	-	-	(1,534)	(3,821)	(3,061)	(2,807)	(2,926)	(1,786)	(1,848)	(2,548)	(3,277)	(4,038)	(27,644)
<b>DCCB Percent of Avg Annual Gas Costs</b>	-3.31%	-7.17%	-14.36%	-20.87%	-18.71%	-19.05%	-18.44%	-15.76%	-15.96%	-18.22%	-20.57%	-23.02%	

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

Missouri Public Service  
 Prior Period Adjustment Summary  
 2000-2001 ACA Year

Northern System

Annual Gas Cost  
 Level Adjustment  
 Summary

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

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Total Adjusted Gas Cost Nov 00 ACA 4,988,180.22

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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

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Gas Cost from Nov 98 ACA calculation 5,176,027.31

Adjustments:

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

9/97 tracker - ppa for 1/97 (a)	(378.78)
1/98 tracker - ppa for 1/97 (b)	(382.74)
2/98 tracker - ppa for 3/97 (c)	(10,973.41)
2/98 tracker - ppa for 1/97 (d)	29,472.73
3/98 tracker - ppa for 3/97 (e)	132,235.43
8/98 tracker - ppa for 6/95-8/95 (f)	95,901.00

Total Adjusted Gas Cost Nov 98 ACA 5,260,713.91

**Missouri Public Service  
Eastern System  
Estimated Deferred Carrying Cost Balance (DCCB) Calculation  
2000-2001 ACA Year**

	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
<b>Annual Gas Cost Level</b>													
Gas Cost from Nov 00 ACA calculation													
Gas Cost from Nov 99 ACA calculation													
Gas Cost from Nov 98 ACA calculation													
Average of 3 most recent gas cost calculations	1,980,004												
10% of average annual gas cost threshold	198,000												
<b>Sales Volumes (in Mcf)</b>	7,513	13,342	19,407	53,581	93,616	68,529	51,182	37,187	18,695	10,155	7,798	7,548	388,552
<b>Cost of Gas Purchased and Produced</b>	121,559	173,606	379,996	803,952	1,186,201	380,826	315,063	258,252	200,058	178,086	168,431	167,699	4,333,729
<b>PGA - Estimated Annualized Unit Cost of Gas</b>	\$6.6400	\$6.6400	\$7.2605	\$8.5016	\$8.5016	\$8.5016	\$8.5016	\$10.8802	\$10.8802	\$10.8802	\$10.8802	\$10.8802	\$10.8802
<b>Actual Annualized Unit Cost of Gas</b>	16.1794	13.0120	19.5808	15.0046	12.6710	5.5571	6.1557	6.9447	10.7009	17.5364	21.6006	22.2185	
<b>Difference</b>	-9.5394	-6.3720	-12.3203	-6.5030	-4.1694	2.9445	2.3459	3.9355	0.1793	-6.6562	-10.7204	-11.3383	
<b>Actual Sales Volumes</b>	7,513	13,342	19,407	53,581	93,616	68,529	51,182	37,187	18,695	10,155	7,798	7,548	
<b>DCCB Monthly Over/(Under) Recovery</b>	(71,672)	(85,016)	(239,095)	(348,432)	(390,318)	201,782	120,068	146,348	3,352	(67,595)	(83,592)	(85,578)	
<b>2000-01 DCCB Yr to Date Over/(Under) Recovery</b>	(71,672)	(156,687)	(395,782)	(744,214)	(1,134,532)	(932,750)	(812,682)	(666,336)	(662,984)	(730,580)	(814,172)	(899,750)	
<b>10% of average annual gas cost threshold</b>	198,000	198,000	198,000	198,000	198,000	198,000	198,000	198,000	198,000	198,000	198,000	198,000	
<b>Absolute Value Rcvry Bal that exceeds threshold</b>	-	-	197,782	546,214	936,532	734,750	614,682	468,336	464,984	532,579	616,172	701,750	
<b>Over/(Und) Rcvry Bal that exceeds 10% threshold</b>	-	-	(197,782)	(546,214)	(936,532)	(734,750)	(614,682)	(468,336)	(464,984)	(532,579)	(616,172)	(701,750)	
<b>Interest at Prime Rate - Wall Street Journal - 1%</b>	8.50%	8.50%	8.50%	8.50%	8.50%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	
<b>Carrying Costs Refunded/(Collected)</b>	-	-	(1,401)	(3,869)	(6,634)	(4,592)	(3,842)	(2,927)	(2,906)	(3,329)	(3,851)	(4,386)	(37,737)
<b>DCCB Percent of Avg Annual Gas Costs</b>	-3.62%	-7.91%	-19.99%	-37.59%	-57.30%	-47.11%	-41.04%	-33.85%	-33.48%	-36.90%	-41.12%	-45.44%	

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

Missouri Public Service  
 Prior Period Adjustment Summary  
 2000-2001 ACA Year

**Eastern System**

Annual Gas Cost  
 Level Adjustment  
 Summary

Gas Cost from Nov 99 ACA calculation  
 Adjustments:

2,169,696.74

Total Adjusted Gas Cost Nov 00 ACA

2,169,696.74

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

Gas Cost from Nov 98 ACA calculation  
 Adjustments:

1,822,414.16

Add back estimated adj included in Nov 98 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)

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)

9/97 tracker - ppa for 8/97 (a)

(500.00)

6/98 tracker - ppa for 2/96 (b)

4,386.85

6/98 tracker - ppa for 2/96 (c)

2,602.47

8/98 tracker - ppa for 7/95 (d)

(95,901.00)

Total Adjusted Gas Cost Nov 98 ACA

1,842,919.22

**MPS Spot Gas Supply Estimate  
March - August 2001**

	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01
<b>NYMEX</b>	\$6.0700	\$5.5800	\$5.3700	\$5.3700	\$5.4000	\$5.4000
- WNG Basis	<u>-0.02</u>	<u>-0.06</u>	<u>-0.06</u>	<u>-0.06</u>	<u>-0.06</u>	<u>-0.06</u>
<b>MPS Southern</b>	<b>\$6.05000</b>	<b>\$5.52000</b>	<b>\$5.31000</b>	<b>\$5.31000</b>	<b>\$5.34000</b>	<b>\$5.34000</b>
<b>NYMEX</b>	\$6.0700	\$5.5800	\$5.3700	\$5.3700	\$5.4000	\$5.4000
- PEPL Basis	<u>-0.07</u>	<u>-0.09</u>	<u>-0.09</u>	<u>-0.09</u>	<u>-0.09</u>	<u>-0.09</u>
<b>MPS Northern &amp; Eastern</b>	<b>\$6.00000</b>	<b>\$5.49000</b>	<b>\$5.28000</b>	<b>\$5.28000</b>	<b>\$5.31000</b>	<b>\$5.31000</b>

## Notes:

\*\*Based on NYMEX strip  
printed at 10:45 am 1/31/01.

**MPS Normal Gas Purchase Requirements  
January - August  
Southern System**

January	February	March	April	May	June	July	August
766,063	493,283	448,859	235,010	108,694	79,560	64,014	79,706

**MPS Normal Gas Purchase Requirements  
January - August  
Northern System**

January	February	March	April	May	June	July	August
263,712	158,933	144,839	80,192	33,582	24,286	22,386	24,294

**MPS Normal Gas Purchase Requirements  
January - August  
Eastern System**

January	February	March	April	May	June	July	August
76,839	48,067	48,704	20,734	8,824	6,864	7,167	5,197

## MPS Storage by System

Oct-00			
	Volumes		
	<u>(Injected)/Withdrawn</u>	<u>WACOG</u>	<u>Balance</u>
Southern	(126,155)	\$4.9550	788,744
Northern	(32,720)	\$5.1900	760,912
Eastern	-	\$0.0000	-

Nov-00			
	Volumes		
	<u>(Injected)/Withdrawn</u>	<u>WACOG</u>	<u>Balance</u>
Southern	229,656	\$4.5532	559,088
Northern	180,089	\$3.8758	580,823
Eastern	-	\$0.0000	-

Dec-00			
	Volumes		
	<u>(Injected)/Withdrawn</u>	<u>WACOG</u>	<u>Balance</u>
Southern	175,563	\$4.5769	383,525
Northern	254,759	\$3.8840	326,064
Eastern	-	\$0.0000	-

Enclosure 12

Detailed Gas Supply Pricing by Month

**MPS East**

Supplier	Pipeline	Supply Pool	Start Date	End Date	Days	Receipt Volume	Total Volume	Receipt Point	Gas Cost	Total Cost	Package ID	Index Fixed
Anadarko Energy Services Company	PEPL	Baseload	11/01/00	11/30/00	30	5,000	150,000	PT - ANADARKO TRADING	\$4.4100	\$661,500.00	ANA477	PEPL IFERC

**MPS North**

Supplier	Pipeline	Supply Pool	Start Date	End Date	Days	Receipt Volume	Total Volume	Receipt Point	Gas Cost	Total Cost	Package ID	Index Fixed
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All requirements covered with Storage Gas.

MPS South Supplier	Pipeline	Supply Pool	Start Date	End Date	Days	Receipt Volume	Total Volume	Receipt Point	Gas Cost	Total Cost	Package ID	Index Fixed
AMOCO USA	WNG	Term	11/01/00	11/30/00	30	5,000	150,000	PRD POOL	\$4.4300	\$664,500.00	AMO466	Williams IFERC
AMOCO USA	WNG	Swing Pool	11/01/00	11/01/00	1	5,000	5,000	PRD POOL	\$4.4300	\$22,150.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/02/00	11/02/00	1	5,000	5,000	PRD POOL	\$4.4300	\$22,150.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/03/00	11/03/00	1	5,000	5,000	PRD POOL	\$4.4300	\$22,150.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/04/00	11/06/00	3	5,000	15,000	PRD POOL	\$4.4400	\$66,600.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/07/00	11/07/00	1	5,000	5,000	PRD POOL	\$4.4350	\$22,175.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/08/00	11/08/00	1	5,000	5,000	PRD POOL	\$4.4850	\$22,425.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/09/00	11/09/00	1	5,000	5,000	PRD POOL	\$4.7950	\$23,975.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/10/00	11/10/00	1	5,000	5,000	PRD POOL	\$5.3050	\$26,525.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/11/00	11/13/00	3	5,000	15,000	PRD POOL	\$5.1250	\$76,875.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/14/00	11/14/00	1	5,000	5,000	PRD POOL	\$5.5000	\$27,500.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/15/00	11/15/00	1	5,000	5,000	PRD POOL	\$5.6900	\$28,450.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/16/00	11/16/00	1	5,000	5,000	PRD POOL	\$5.7750	\$28,875.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/17/00	11/17/00	1	5,000	5,000	PRD POOL	\$5.7550	\$28,775.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/18/00	11/20/00	3	5,000	15,000	PRD POOL	\$5.4550	\$81,825.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/21/00	11/21/00	1	5,000	5,000	PRD POOL	\$6.0750	\$30,375.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/22/00	11/22/00	1	5,000	5,000	PRD POOL	\$6.2050	\$31,025.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/23/00	11/27/00	5	5,000	25,000	PRD POOL	\$6.0600	\$151,500.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/28/00	11/28/00	1	5,000	5,000	PRD POOL	\$6.0550	\$30,275.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/29/00	11/29/00	1	5,000	5,000	PRD POOL	\$5.7800	\$28,900.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/30/00	11/30/00	1	5,000	5,000	PRD POOL	\$5.8050	\$29,025.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing Pool	11/14/00	11/14/00	1	6,000	6,000	PRD POOL	\$5.5000	\$33,000.00	AMO477	Williams GDA
AMOCO USA	WNG	Swing Pool	11/15/00	11/15/00	1	5,000	5,000	PRD POOL	\$5.6900	\$28,450.00	AMO477	Williams GDA
AMOCO USA	WNG	Swing Pool	11/21/00	11/21/00	1	15,000	15,000	PRD POOL	\$6.0750	\$91,125.00	AMO477	Williams GDA
AMOCO USA	WNG	Swing Pool	11/22/00	11/22/00	1	5,000	5,000	PRD POOL	\$6.2050	\$31,025.00	AMO477	Williams GDA
AMOCO USA	WNG	Swing Pool	11/23/00	11/27/00	5	5,000	25,000	PRD POOL	\$6.0600	\$151,500.00	AMO477	Williams GDA
ANADARKO	WNG	Term	11/01/00	11/30/00	30	2,500	75,000	PRD POOL	\$4.0050	\$300,375.00	ANA461	Fixed
ANADARKO	WNG	Term	11/01/00	11/30/00	30	2,500	75,000	PRD POOL	\$4.1450	\$310,875.00	ANA466	Fixed
ANADARKO	WNG	Swing Pool	11/11/00	11/16/00	6	5,000	30,000	PRD POOL	\$5.1250	\$153,750.00	ANA478	Williams
ANADARKO	WNG	Swing Pool	11/23/00	11/27/00	5	10,000	50,000	PRD POOL	\$6.0500	\$302,500.00	ANA478	Fixed
AQUILA OMAHA	WNG	Term	11/01/00	11/30/00	30	2,500	75,000	PRD POOL	\$3.8550	\$289,125.00	AQU3557	Fixed
AQUILA OMAHA	WNG	Term	11/01/00	11/30/00	30	364	10,920	PRD POOL	\$3.9300	\$42,915.60	AQU3642	Fixed
AQUILA OMAHA	WNG	Term	11/01/00	11/30/00	30	2,136	64,080	PRD POOL	\$3.9300	\$251,834.40	AQU3642	Fixed
AQUILA OMAHA	WNG	Term	11/01/00	11/30/00	30	10	300	PRD POOL	\$4.4775	\$1,343.25	AQU3728	Fixed
AQUILA OMAHA	WNG	Term	11/01/00	11/30/00	30	30	900	PRD POOL	\$4.4775	\$4,029.75	AQU3728	Fixed
AQUILA OMAHA	WNG	Term	11/01/00	11/30/00	30	2,460	73,800	PRD POOL	\$4.4775	\$330,439.50	AQU3728	Fixed
CROSSTIMBER	WNG	Swing Pool	11/22/00	11/22/00	1	5,000	5,000	RINGWOOD P	\$6.2100	\$31,050.00	CRO55	Fixed
OGE	WNG	Swing Pool	11/11/00	11/13/00	3	10,000	30,000	TRANS/NOBL	\$5.1500	\$154,500.00	OGE70	Fixed
OGE	WNG	Swing Pool	11/14/00	11/14/00	1	10,000	10,000	TRANS/NOBL	\$5.5000	\$55,000.00	OGE70	Williams GDA
OGE	WNG	Swing Pool	11/22/00	11/22/00	1	10,000	10,000	TRANS/NOBL	\$6.2050	\$62,050.00	OGE70	Williams GDA
OGE	WNG	Swing Pool	11/28/00	11/28/00	1	5,000	5,000	TRANS/NOBL	\$6.0900	\$30,450.00	OGE70	Fixed
ONEOK	WNG	Term	11/01/00	11/30/00	30	10,000	300,000	PRODUCTION SPECIAL S	\$4.4300	\$1,329,000.00	ONE169	Williams IFERC
ONEOK	WNG	Swing Pool	11/01/00	11/03/00	3	10,000	30,000	PRODUCTION SPECIAL S	\$4.4300	\$132,900.00	ONE170	Williams GDA
ONEOK	WNG	Term	11/01/00	11/30/00	30	2,500	75,000	PRODUCTION SPECIAL S	\$5.1700	\$387,750.00	ONE176	Fixed
ONEOK	WNG	Swing Pool	11/04/00	11/06/00	3	10,000	30,000	PRODUCTION SPECIAL S	\$4.4400	\$133,200.00	ONE184	Williams GDA
ONEOK	WNG	Swing Pool	11/07/00	11/08/00	2	5,000	10,000	PRODUCTION SPECIAL S	\$4.4350	\$44,350.00	ONE184	Williams GDA
TENASKA	WNG	Swing Pool	11/10/00	11/10/00	1	10,000	10,000	PRODUCTION SPECIAL S	\$5.3900	\$53,900.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/11/00	11/13/00	3	15,000	45,000	PRODUCTION SPECIAL S	\$5.1200	\$230,400.00	TEN1236	Fixed

TENASKA	WNG	Swing Pool	11/14/00	11/14/00	1	1,000	1,000	PRODUCTION SPECIAL S	\$5.5100	\$3,310.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/14/00	11/15/00	2	3,000	6,000	PRODUCTION SPECIAL S	\$5.5100	\$33,060.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/14/00	11/14/00	1	3,000	3,000	PRD POOL	\$5.5100	\$16,530.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/15/00	11/15/00	1	1,000	1,000	PRODUCTION SPECIAL S	\$5.7300	\$5,730.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/15/00	11/15/00	1	3,000	3,000	PRODUCTION SPECIAL S	\$5.7300	\$17,190.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/15/00	11/15/00	1	2,800	2,800	PRD POOL	\$5.7300	\$16,044.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/15/00	11/15/00	1	3,200	3,200	PRD POOL	\$5.7300	\$18,336.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/15/00	11/15/00	1	5,000	5,000	PRD POOL	\$5.7300	\$28,650.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/16/00	11/16/00	1	299	299	PRD POOL	\$5.8300	\$1,743.17	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/16/00	11/16/00	1	4,701	4,701	PRD POOL	\$5.8300	\$27,406.83	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/17/00	11/17/00	1	299	299	PRD POOL	\$5.7600	\$1,722.24	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/17/00	11/17/00	1	4,701	4,701	PRD POOL	\$5.7600	\$27,077.76	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/17/00	11/17/00	1	5,000	5,000	PRD POOL	\$5.7600	\$28,800.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/18/00	11/20/00	3	10,000	30,000	PRODUCTION SPECIAL S	\$5.3900	\$161,700.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/21/00	11/21/00	1	10,000	10,000	PRODUCTION SPECIAL S	\$6.0700	\$60,700.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/22/00	11/22/00	1	15,000	15,000	PRODUCTION SPECIAL S	\$6.2300	\$93,450.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/23/00	11/27/00	5	10,000	50,000	PRODUCTION SPECIAL S	\$6.0200	\$301,000.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/28/00	11/28/00	1	1,569	1,569	PRD POOL	\$6.0400	\$9,476.76	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/28/00	11/28/00	1	3,431	3,431	PRD POOL	\$6.0400	\$20,723.24	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/29/00	11/29/00	1	3,000	3,000	PRD POOL	\$5.7700	\$17,310.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/29/00	11/29/00	1	7,000	7,000	PRD POOL	\$5.7700	\$40,390.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/30/00	11/30/00	1	4,500	4,500	PRD POOL	\$5.7900	\$26,055.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/30/00	11/30/00	1	5,500	5,500	PRD POOL	\$5.7900	\$31,845.00	TEN1236	Fixed
TENASKA	WNG	Swing Pool	11/21/00	11/21/00	1	2,000	2,000	PRODUCTION SPECIAL S	\$6.1000	\$12,200.00	TEN1237	Fixed
TENASKA	WNG	Swing Pool	11/22/00	11/23/00	2	5,000	10,000	PRODUCTION SPECIAL S	\$6.2200	\$62,200.00	TEN1237	Fixed
TRANSCANADAE	WNG	Swing Pool	11/11/00	11/16/00	6	5,000	30,000	CIG FLORIS	\$5.1600	\$154,800.00	CIB537	Fixed
WES GAS RES	WNG	Term	11/01/00	11/30/00	30	5,000	150,000	PRD POOL	\$5.2100	\$781,500.00	WGR444	Fixed
WES GAS RES	WNG	Swing Pool	11/09/00	11/09/00	1	5,000	5,000	PRD POOL	\$4.7950	\$23,975.00	WGR447	Williams GDA
WES GAS RES	WNG	Swing Pool	11/09/00	11/09/00	1	10,000	10,000	PRD POOL	\$4.7950	\$47,950.00	WGR447	Williams GDA
WES GAS RES	WNG	Swing Pool	11/18/00	11/20/00	3	10,000	30,000	PRD POOL	\$5.3850	\$161,550.00	WGR447	Fixed
WES GAS RES	WNG	Swing Pool	11/21/00	11/21/00	1	3,000	3,000	PRD POOL	\$6.0900	\$18,270.00	WGR447	Fixed
WES GAS RES	WNG	Swing Pool	11/22/00	11/22/00	1	5,000	5,000	PRD POOL	\$6.2300	\$31,150.00	WGR447	Fixed

1,786,000



MPS North	Supplier	Pipeline	Supply Pool	Start Date	End Date	Days	Receipt Volume	Total Volume	Receipt Point	Gas Cost	Total Cost	Package ID	Index Fixed
	TransCanada Energy Marketing USA, Inc.	PEPL	Swing	12/21/00	12/21/00	1	6,000	6,000	PT - Cibola Corporation	\$ 10.0250	\$ 60,150.00	CIB549	PEPL GDA
			Swing	12/22/00	12/22/00	1	6,000	6,000	PT - Cibola Corporation	\$ 11.0600	\$ 66,360.00	CIB549	PEPL GDA
			Swing	12/23/00	12/26/00	4	4,000	16,000	PT - Cibola Corporation	\$ 11.0000	\$ 176,000.00	CIB549	Fixed
			Swing	12/27/00	12/27/00	1	2,000	2,000	PT - Cibola Corporation	\$ 10.5700	\$ 21,140.00	CIB549	Fixed
			Swing	12/28/00	12/28/00	1	2,000	2,000	PT - Cibola Corporation	\$ 9.4500	\$ 18,900.00	CIB549	Fixed
			Swing	12/29/00	12/29/00	1	2,000	2,000	PT - Cibola Corporation	\$ 9.2800	\$ 18,560.00	CIB549	PEPL GDA
			Swing	12/30/00	12/31/00	2	2,000	4,000	PT - Cibola Corporation	\$ 9.5250	\$ 38,100.00	CIB549	PEPL GDA
	Western Gas Resources, Inc.		Baseload	12/01/00	12/31/00	31	5,000	155,000	PT - Western Gas Resources	\$ 5.8750	\$ 910,625.00	WGR453	PEPL IFERC - .005

MPS South	Supplier	Pipeline	Supply Pool	Start Date	End Date	Days	Receipt Volume	Total Volume	Receipt Point	Gas Cost	Total Cost	Package ID	Flow Fixed
AMOCO USA	WNG	Term		12/01/00	12/31/00	31	2,000	62,000	PRD POOL	\$5.9000	\$365,800.00	AMO466	Williams IFERC
AMOCO USA	WNG	Term		12/01/00	12/31/00	31	3,000	93,000	PRD POOL	\$5.9000	\$548,700.00	AMO466	Williams IFERC
AMOCO USA	WNG	Swing		12/01/00	12/01/00	1	5,000	5,000	PRD POOL	\$6.1850	\$30,925.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/02/00	12/04/00	3	5,000	15,000	PRD POOL	\$6.4250	\$96,375.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/05/00	12/05/00	1	5,000	5,000	PRD POOL	\$7.2900	\$36,450.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/06/00	12/06/00	1	5,000	5,000	PRD POOL	\$8.0650	\$40,325.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/07/00	12/07/00	1	5,000	5,000	PRD POOL	\$8.8400	\$44,200.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/08/00	12/08/00	1	5,000	5,000	PRD POOL	\$8.5850	\$42,925.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/09/00	12/11/00	3	5,000	15,000	PRD POOL	\$7.9500	\$119,250.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/12/00	12/12/00	1	5,000	5,000	PRD POOL	\$10.8950	\$54,475.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/13/00	12/13/00	1	5,000	5,000	PRD POOL	\$9.2150	\$46,075.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/14/00	12/14/00	1	5,000	5,000	PRD POOL	\$7.8950	\$39,475.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/15/00	12/15/00	1	5,000	5,000	PRD POOL	\$7.5650	\$37,825.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/16/00	12/18/00	3	1,122	3,366	PRD POOL	\$7.9800	\$26,860.68	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/16/00	12/18/00	3	3,878	11,634	PRD POOL	\$7.9800	\$92,839.32	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/19/00	12/19/00	1	269	269	PRD POOL	\$9.5650	\$2,572.99	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/19/00	12/19/00	1	4,731	4,731	PRD POOL	\$9.5650	\$45,252.02	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/20/00	12/20/00	1	5,000	5,000	PRD POOL	\$9.2900	\$46,450.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/21/00	12/21/00	1	5,000	5,000	PRD POOL	\$10.3450	\$51,725.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/22/00	12/22/00	1	5,000	5,000	PRD POOL	\$11.5250	\$57,625.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/23/00	12/26/00	4	5,000	20,000	PRD POOL	\$11.3950	\$227,900.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/27/00	12/27/00	1	5,000	5,000	PRD POOL	\$10.4300	\$52,150.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/28/00	12/28/00	1	5,000	5,000	PRD POOL	\$9.7100	\$48,550.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/29/00	12/29/00	1	5,000	5,000	PRD POOL	\$9.3700	\$46,850.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/30/00	12/31/00	2	5,000	10,000	PRD POOL	\$9.4900	\$94,900.00	AMO467	Williams GDA
AMOCO USA	WNG	Swing		12/05/00	12/05/00	1	8,000	8,000	PRD POOL	\$7.2700	\$58,160.00	AMO481	Fixed
AMOCO USA	WNG	Swing		12/06/00	12/06/00	1	2,500	2,500	PRD POOL	\$8.1500	\$20,375.00	AMO481	Fixed
ANADARKO	WNG	Term		12/01/00	12/28/00	28	2,500	70,000	PRD POOL	\$4.0050	\$280,350.00	ANA461	Fixed
ANADARKO	WNG	Term		12/13/00	12/13/00	1	500	500	PRD POOL	\$4.0050	\$2,002.50	ANA461	Fixed
ANADARKO	WNG	Term		12/13/00	12/13/00	1	2,000	2,000	PRD POOL	\$4.0050	\$8,010.00	ANA461	Fixed
ANADARKO	WNG	Term		12/14/00	12/15/00	2	550	1,100	PRD POOL	\$4.0050	\$4,405.50	ANA461	Fixed
ANADARKO	WNG	Term		12/14/00	12/14/00	1	750	750	PRD POOL	\$4.0050	\$3,003.75	ANA461	Fixed
ANADARKO	WNG	Term		12/14/00	12/14/00	1	1,200	1,200	PRD POOL	\$4.0050	\$4,806.00	ANA461	Fixed
ANADARKO	WNG	Term		12/15/00	12/15/00	1	1,950	1,950	PRD POOL	\$4.0050	\$7,809.75	ANA461	Fixed
ANADARKO	WNG	Term		12/01/00	12/21/00	21	2,500	52,500	PRD POOL	\$4.1450	\$217,612.50	ANA466	Fixed
ANADARKO	WNG	Term		12/14/00	12/15/00	2	1,250	2,500	PRD POOL	\$4.1450	\$10,362.50	ANA466	Fixed
ANADARKO	WNG	Term		12/16/00	12/22/00	7	50	350	PRD POOL	\$4.1450	\$1,450.75	ANA466	Fixed
ANADARKO	WNG	Term		12/16/00	12/22/00	7	2,450	17,150	PRD POOL	\$4.1450	\$71,086.75	ANA466	Fixed
ANADARKO	WNG	Term		12/23/00	12/23/00	1	1,264	1,264	PRD POOL	\$4.1450	\$5,239.28	ANA466	Fixed
ANADARKO	WNG	Term		12/29/00	12/29/00	1	613	613	PRD POOL	\$4.1450	\$2,540.89	ANA466	Fixed
ANADARKO	WNG	Term		12/29/00	12/29/00	1	1,236	1,236	PRD POOL	\$4.1450	\$5,123.22	ANA466	Fixed
ANADARKO	WNG	Term		12/29/00	12/29/00	1	1,887	1,887	PRD POOL	\$4.1450	\$7,821.62	ANA466	Fixed
ANADARKO	WNG	Swing		12/12/00	12/13/00	2	4,349	8,698	PRD POOL	\$5.8950	\$51,274.71	ANA476	PEPL IFER + .015
ANADARKO	WNG	Swing		12/05/00	12/05/00	1	5,000	5,000	PRD POOL	\$7.2850	\$36,425.00	ANA480	Williams GDA
ANADARKO	WNG	Swing		12/06/00	12/06/00	1	2,000	2,000	PRD POOL	\$8.2000	\$16,400.00	ANA480	Fixed
ANADARKO	WNG	Swing		12/06/00	12/06/00	1	8,000	8,000	PRD POOL	\$8.2000	\$65,600.00	ANA480	Fixed
ANADARKO	WNG	Swing		12/08/00	12/09/00	2	5,000	10,000	PRD POOL	\$8.5900	\$85,900.00	ANA480	Williams GDA
ANADARKO	WNG	Swing		12/09/00	12/10/00	2	1,000	2,000	PRD POOL	\$8.1100	\$16,220.00	ANA481	Fixed

ANADARKO	WNG	Swing	12/09/00	12/10/00	2	4,000	8,000	PRD POOL	\$8.1100	\$64,880.00	ANA481	Fixed
ANADARKO	WNG	Swing	12/11/00	12/11/00	1	492	492	PRD POOL	\$8.1100	\$3,990.12	ANA481	Fixed
ANADARKO	WNG	Swing	12/11/00	12/11/00	1	1,992	1,992	PRD POOL	\$8.1100	\$16,155.12	ANA481	Fixed
ANADARKO	WNG	Swing	12/12/00	12/12/00	1	1,000	1,000	PRD POOL	\$11.0000	\$11,000.00	ANA481	Fixed
ANADARKO	WNG	Swing	12/12/00	12/12/00	1	1,250	1,250	PRD POOL	\$11.0000	\$13,750.00	ANA481	Fixed
ANADARKO	WNG	Swing	12/12/00	12/12/00	1	3,000	3,000	PRD POOL	\$11.0000	\$33,000.00	ANA481	Fixed
ANADARKO	WNG	Swing	12/12/00	12/12/00	1	4,734	4,734	PRD POOL	\$11.0000	\$52,074.00	ANA481	Fixed
ANADARKO	WNG	Swing	12/12/00	12/12/00	1	2,016	2,016	PRD POOL	\$10.5000	\$21,168.00	ANA482	Fixed
AQUILA OMAHA	WNG	Term	12/01/00	12/31/00	31	2,500	77,500	PRD POOL	\$3.8550	\$298,762.50	AQU3557	Fixed
AQUILA OMAHA	WNG	Term	12/01/00	12/31/00	31	241	7,471	PRD POOL	\$3.9300	\$29,361.03	AQU3642	Fixed
AQUILA OMAHA	WNG	Term	12/01/00	12/31/00	31	2,259	70,029	PRD POOL	\$3.9300	\$275,213.97	AQU3642	Fixed
AQUILA OMAHA	WNG	Term	12/01/00	12/31/00	31	13	403	PRD POOL	\$4.4775	\$1,804.43	AQU3728	Fixed
AQUILA OMAHA	WNG	Term	12/01/00	12/31/00	31	150	4,650	PRD POOL	\$4.4775	\$20,820.38	AQU3728	Fixed
AQUILA OMAHA	WNG	Term	12/01/00	12/30/00	30	2,337	70,110	PRD POOL	\$4.4775	\$313,917.53	AQU3728	Fixed
AQUILA OMAHA	WNG	Term	12/14/00	12/14/00	1	163	163	PRODUCTION SPECIAL S	\$4.4775	\$729.83	AQU3728	Fixed
AQUILA OMAHA	WNG	Term	12/14/00	12/14/00	1	2,174	2,174	PRD POOL	\$4.4775	\$9,734.09	AQU3728	Fixed
AQUILA OMAHA	WNG	Swing	12/13/00	12/13/00	1	2,000	2,000	MKT POOL	\$9.4650	\$18,930.00	AQU4052	Williams GDA + .25
AQUILA OMAHA	WNG	Swing	12/14/00	12/14/00	1	2,000	2,000	MKT POOL	\$8.1450	\$16,290.00	AQU4052	Williams GDA + .25
AQUILA OMAHA	WNG	Swing	12/15/00	12/15/00	1	2,000	2,000	MKT POOL	\$7.8150	\$15,630.00	AQU4052	Williams GDA + .25
BARRETT	WNG	Swing	12/05/00	12/05/00	1	2,000	2,000	CIG FLORIS	\$7.2600	\$14,520.00	BAR110	Fixed
BARRETT	WNG	Swing	12/05/00	12/05/00	1	5,000	5,000	CIG FLORIS	\$7.2600	\$36,300.00	BAR110	Fixed
CROSSTIMBER	WNG	Swing	12/05/00	12/05/00	1	5,000	5,000	OK-HUGO	\$7.2600	\$36,300.00	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/06/00	12/06/00	1	2,621	2,621	OK-HUGO	\$8.1500	\$21,361.15	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/06/00	12/06/00	1	5,000	5,000	OK-HUGO	\$8.1500	\$40,750.00	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/07/00	12/07/00	1	5,000	5,000	OK-HUGO	\$9.0000	\$45,000.00	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/09/00	12/11/00	3	8,000	24,000	OK-HUGO	\$8.1000	\$194,400.00	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/14/00	12/14/00	1	10,000	10,000	OK-HUGO	\$7.7800	\$77,800.00	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/15/00	12/15/00	1	3,000	3,000	OK-HUGO	\$7.7500	\$23,250.00	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/15/00	12/15/00	1	4,000	4,000	OK-HUGO	\$7.7500	\$31,000.00	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/16/00	12/18/00	3	3,000	9,000	OK-HUGO	\$7.8000	\$70,200.00	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/16/00	12/18/00	3	7,000	21,000	OK-HUGO	\$7.8000	\$163,800.00	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/19/00	12/19/00	1	3,000	3,000	OK-HUGO	\$9.4000	\$28,200.00	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/20/00	12/20/00	1	1,000	1,000	OK-HUGO	\$9.2500	\$9,250.00	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/20/00	12/20/00	1	3,181	3,181	OK-HUGO	\$9.2500	\$29,424.25	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/20/00	12/20/00	1	5,819	5,819	OK-HUGO	\$9.2500	\$53,825.75	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/21/00	12/21/00	1	1,181	1,181	OK-HUGO	\$10.3000	\$12,164.30	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/21/00	12/21/00	1	8,819	8,819	OK-HUGO	\$10.3000	\$90,835.70	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/22/00	12/22/00	1	1,000	1,000	OK-HUGO	\$11.4500	\$11,450.00	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/22/00	12/22/00	1	1,100	1,100	OK-HUGO	\$11.4500	\$12,595.00	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/22/00	12/22/00	1	3,400	3,400	OK-HUGO	\$11.4500	\$38,930.00	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/23/00	12/30/00	8	1,000	8,000	OK-HUGO	\$11.4950	\$91,960.00	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/23/00	12/26/00	4	2,000	8,000	OK-HUGO	\$11.4950	\$91,960.00	CRO56	Williams GDA + .10
CROSSTIMBER	WNG	Swing	12/27/00	12/28/00	2	1,000	2,000	OK-HUGO	\$10.5300	\$21,060.00	CRO56	Williams GDA + .10
CROSSTIMBER	WNG	Swing	12/27/00	12/27/00	1	2,000	2,000	OK-HUGO	\$10.5300	\$21,060.00	CRO56	Fixed
CROSSTIMBER	WNG	Swing	12/11/00	12/11/00	1	4,000	4,000	OK-HUGO	\$15.0000	\$60,000.00	CRO57	Fixed
CROSSTIMBER	WNG	Swing	12/12/00	12/12/00	1	5,000	5,000	OK-HUGO	\$11.0000	\$55,000.00	CRO57	Fixed
DUKE HOUSTON	WNG	Swing	12/19/00	12/20/00	2	1,000	2,000	PRD POOL	\$9.5650	\$19,130.00	DTM446	Williams GDA
ENGAGE USA	WNG	Baseload	12/01/00	12/31/00	31	2,304	71,424	ECHO SPRIN	\$5.9000	\$421,401.60	ENG869	Williams IFERC
ONEOK	WNG	Term	12/01/00	12/14/00	14	10,000	140,000	PRODUCTION SPECIAL S	\$5.9000	\$826,000.00	ONE169	Williams IFERC
ONEOK	WNG	Term	12/11/00	01/13/01	34	5,000	170,000	PRODUCTION SPECIAL S	\$5.9000	\$1,003,000.00	ONE169	Williams IFERC
ONEOK	WNG	Term	12/01/00	12/31/00	31	2,500	77,500	PRODUCTION SPECIAL S	\$5.1700	\$400,675.00	ONE176	Fixed

ONEOK	WNG	Swing	12/06/00	12/06/00	1	8,000	8,000	PRODUCTION SPECIAL S	\$8.1000	\$68,440.00	ONE187	Fixed
ONEOK	WNG	Swing	12/07/00	12/07/00	1	10,000	10,000	PRODUCTION SPECIAL S	\$9.0000	\$90,000.00	ONE187	Fixed
ONEOK	WNG	Swing	12/06/00	12/06/00	1	5,000	5,000	PRODUCTION SPECIAL S	\$8.1500	\$40,750.00	ONE189	Fixed
ONEOK	WNG	Swing	12/23/00	12/26/00	4	5,000	20,000	PRODUCTION SPECIAL S	\$12.0000	\$240,000.00	ONE192	Fixed
OXY	WNG	Swing	12/12/00	12/12/00	1	1,000	1,000	PRD POOL	\$10.9050	\$10,905.00	OXY129	Williams GDA + .01
TENASKA	WNG	Swing	12/02/00	12/04/00	3	5,000	15,000	PRODUCTION SPECIAL S	\$6.4800	\$97,200.00	TEN1242	Fixed
TENASKA	WNG	Swing	12/12/00	12/12/00	1	6,000	6,000	ONG-MUTUAL	\$11.5000	\$69,000.00	TEN1242	Fixed
TENASKA	WNG	Swing	12/12/00	12/12/00	1	9,000	9,000	PRODUCTION SPECIAL S	\$11.5000	\$103,500.00	TEN1242	Fixed
TENASKA	WNG	Swing	12/13/00	12/13/00	1	10,000	10,000	PRODUCTION SPECIAL S	\$11.0000	\$110,000.00	TEN1242	Fixed
TENASKA	WNG	Swing	12/05/00	12/05/00	1	10,000	10,000	PRODUCTION SPECIAL S	\$7.3000	\$73,000.00	TEN1243	Fixed
TENASKA	WNG	Swing	12/06/00	12/06/00	1	15,000	15,000	PRODUCTION SPECIAL S	\$8.1900	\$122,850.00	TEN1243	Fixed
TENASKA	WNG	Swing	12/07/00	12/07/00	1	15,000	15,000	PRODUCTION SPECIAL S	\$9.0900	\$136,350.00	TEN1243	Fixed
TENASKA	WNG	Swing	12/08/00	12/08/00	1	10,000	10,000	PRODUCTION SPECIAL S	\$8.5850	\$85,850.00	TEN1243	Williams GDA
TENASKA	WNG	Swing	12/05/00	12/05/00	1	10,000	10,000	PRODUCTION SPECIAL S	\$7.2000	\$72,000.00	TEN1244	Fixed
TENASKA	WNG	Swing	12/07/00	12/07/00	1	10,000	10,000	PRODUCTION SPECIAL S	\$8.8500	\$88,500.00	TEN1244	Fixed
TENASKA	WNG	Swing	12/07/00	12/07/00	1	5,000	5,000	PRD POOL	\$9.1200	\$45,600.00	TEN1247	Fixed
TENASKA	WNG	Swing	12/12/00	12/12/00	1	10,000	10,000	MKT POOL	\$12.2500	\$122,500.00	TEN1249	Fixed
TENASKA	WNG	Swing	12/13/00	12/13/00	1	10,000	10,000	MKT POOL	\$11.5000	\$115,000.00	TEN1249	Fixed
TENASKA	WNG	Swing	12/14/00	12/15/00	2	10,000	20,000	MKT POOL	\$7.9000	\$158,000.00	TEN1249	Fixed
TENASKA	WNG	Swing	12/16/00	12/18/00	3	10,000	30,000	MKT POOL	\$8.0000	\$240,000.00	TEN1249	Fixed
TENASKA	WNG	Swing	12/19/00	12/19/00	1	15,000	15,000	MKT POOL	\$10.4500	\$156,750.00	TEN1249	Fixed
TENASKA	WNG	Swing	12/20/00	12/20/00	1	10,000	10,000	MKT POOL	\$9.7500	\$97,500.00	TEN1249	Fixed
TENASKA	WNG	Swing	12/21/00	12/21/00	1	9,545	9,545	MKT POOL	\$10.7500	\$102,608.75	TEN1249	Fixed
TENASKA	WNG	Swing	12/22/00	12/22/00	1	9,545	9,545	MKT POOL	\$12.0000	\$114,540.00	TEN1249	Fixed
TENASKA	WNG	Swing	12/23/00	12/26/00	4	9,545	38,180	MKT POOL	\$11.8500	\$452,433.00	TEN1249	Fixed
TENASKA	WNG	Swing	12/27/00	12/27/00	1	10,000	10,000	MKT POOL	\$11.4500	\$114,500.00	TEN1249	Fixed
TENASKA	WNG	Swing	12/28/00	12/28/00	1	20,000	20,000	MKT POOL	\$10.4000	\$208,000.00	TEN1249	Fixed
TENASKA	WNG	Swing	12/29/00	12/31/00	3	30,000	90,000	MKT POOL	\$10.0000	\$900,000.00	TEN1249	Fixed
TENASKA	WNG	Swing	12/13/00	12/13/00	1	10,000	10,000	PRODUCTION SPECIAL S	\$10.2500	\$102,500.00	TEN1251	Fixed
TENASKA	WNG	Swing	12/14/00	12/14/00	1	10,000	10,000	PRODUCTION SPECIAL S	\$7.8000	\$78,000.00	TEN1251	Fixed
TENASKA	WNG	Swing	12/15/00	12/18/00	4	10,000	40,000	PRODUCTION SPECIAL S	\$7.7000	\$308,000.00	TEN1251	Fixed
TENASKA	WNG	Swing	12/19/00	12/19/00	1	9,000	9,000	PRODUCTION SPECIAL S	\$10.1000	\$90,900.00	TEN1251	Fixed
TENASKA	WNG	Swing	12/19/00	12/19/00	1	16,000	16,000	PRODUCTION SPECIAL S	\$10.1000	\$161,600.00	TEN1251	Fixed
TENASKA	WNG	Swing	12/20/00	12/20/00	1	3,000	3,000	PRODUCTION SPECIAL S	\$9.2500	\$27,750.00	TEN1251	Fixed
TENASKA	WNG	Swing	12/20/00	12/20/00	1	11,000	11,000	PRODUCTION SPECIAL S	\$9.2500	\$101,750.00	TEN1251	Fixed
TENASKA	WNG	Swing	12/21/00	12/21/00	1	15,000	15,000	PRODUCTION SPECIAL S	\$10.5000	\$157,500.00	TEN1251	Fixed
TENASKA	WNG	Swing	12/22/00	12/22/00	1	15,000	15,000	PRODUCTION SPECIAL S	\$11.4000	\$171,000.00	TEN1251	Fixed
TENASKA	WNG	Swing	12/23/00	12/26/00	4	17,500	70,000	PRODUCTION SPECIAL S	\$11.4000	\$798,000.00	TEN1251	Fixed
TENASKA	WNG	Swing	12/27/00	12/27/00	1	10,000	10,000	PRODUCTION SPECIAL S	\$11.0000	\$110,000.00	TEN1251	Fixed
TENASKA	WNG	Swing	12/27/00	12/27/00	1	3,000	3,000	PRD POOL	\$11.0000	\$33,000.00	TEN1251	Fixed
TENASKA	WNG	Swing	12/27/00	12/27/00	1	7,000	7,000	PRD POOL	\$11.0000	\$77,000.00	TEN1251	Fixed
TENASKA	WNG	Swing	12/16/00	12/18/00	3	10,000	30,000	SUNFLOWER	\$8.9000	\$267,000.00	TEN1253	Fixed
TENASKA	WNG	Swing	12/20/00	12/20/00	1	5,000	5,000	MKT POOL	\$9.9000	\$49,500.00	TEN1255	Fixed
TENASKA	WNG	Swing	12/22/00	12/22/00	1	8,500	8,500	PRODUCTION SPECIAL S	\$11.7000	\$99,450.00	TEN1255	Fixed
TENASKA	WNG	Swing	12/23/00	12/26/00	4	5,000	20,000	PRODUCTION SPECIAL S	\$11.5000	\$230,000.00	TEN1255	Fixed
TENASKA	WNG	Swing	12/28/00	12/28/00	1	10,000	10,000	MKT POOL	\$10.7000	\$107,000.00	TEN1255	Fixed
TRANSCANADAE	WNG	Swing	12/05/00	12/06/00	2	5,000	10,000	CIG FLORIS	\$7.1400	\$71,400.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/09/00	12/11/00	3	2,000	6,000	CIG FLORIS	\$8.0500	\$48,300.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/09/00	12/11/00	3	8,000	24,000	CIG FLORIS	\$8.0500	\$193,200.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/12/00	12/12/00	1	2,357	2,357	CIG FLORIS	\$11.5000	\$27,105.50	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/12/00	12/12/00	1	143	143	OK-HUGO	\$11.5000	\$1,644.50	CIB545	Fixed

TRANSCANADAE	WNG	Swing	12/12/00	12/12/00	1	500	500	OK-HUGO	\$11.0000	\$9,750.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/13/00	12/13/00	1	3,000	3,000	CIG FLORIS	\$9.0500	\$27,150.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/13/00	12/13/00	1	5,000	5,000	CIG FLORIS	\$9.0500	\$45,250.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/13/00	12/13/00	1	7,000	7,000	CIG FLORIS	\$9.0500	\$63,350.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/16/00	12/18/00	3	1,000	3,000	CIG FLORIS	\$7.8000	\$23,400.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/16/00	12/18/00	3	3,000	9,000	CIG FLORIS	\$7.8000	\$70,200.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/19/00	12/19/00	1	0	0	CIG FLORIS	\$10.7500	\$0.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/20/00	12/20/00	1	10,000	10,000	CIG FLORIS	\$9.5000	\$95,000.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/21/00	12/21/00	1	10,000	10,000	CIG FLORIS	\$10.5000	\$105,000.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/22/00	12/22/00	1	3,000	3,000	CIG FLORIS	\$13.5000	\$40,500.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/22/00	12/22/00	1	7,000	7,000	CIG FLORIS	\$13.5000	\$94,500.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/23/00	12/23/00	1	7,000	7,000	CIG FLORIS	\$11.7500	\$82,250.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/24/00	12/26/00	3	10,000	30,000	CIG FLORIS	\$11.7500	\$352,500.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/29/00	12/31/00	3	2,500	7,500	OK-HUGO	\$9.5000	\$71,250.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/29/00	12/31/00	3	4,500	13,500	OK-HUGO	\$9.5000	\$128,250.00	CIB545	Fixed
TRANSCANADAE	WNG	Swing	12/22/00	12/22/00	1	5,000	5,000	CIG FLORIS	\$10.7500	\$53,750.00	CIB556	Fixed
US GSS	WNG	Swing	12/06/00	12/06/00	1	4,593	4,593	CIG FLORIS	\$8.0000	\$36,744.00	UGU181	Fixed
US	WNG	Swing	12/11/00	12/11/00	1	5,000	5,000	TW-CANADIA	\$10.5000	\$52,500.00	USG75	Fixed
WES GAS RES	WNG	Term	12/01/00	12/27/00	27	5,000	135,000	PRD POOL	\$5.2100	\$703,350.00	WGR444	Fixed
WES GAS RES	WNG	Term	12/12/00	12/16/00	5	1,000	5,000	PRD POOL	\$5.2100	\$26,050.00	WGR444	Fixed
WES GAS RES	WNG	Term	12/12/00	12/12/00	1	4,000	4,000	PRD POOL	\$5.2100	\$20,840.00	WGR444	Fixed
WES GAS RES	WNG	Term	12/13/00	12/15/00	3	3,000	9,000	PRD POOL	\$5.2100	\$46,890.00	WGR444	Fixed
WES GAS RES	WNG	Term	12/15/00	12/15/00	1	2,000	2,000	PRD POOL	\$5.2100	\$10,420.00	WGR444	Fixed
WES GAS RES	WNG	Swing	12/02/00	12/04/00	3	5,000	15,000	PRD POOL	\$6.4600	\$96,900.00	WGR455	Fixed
WES GAS RES	WNG	Swing	12/14/00	12/14/00	1	2,441	2,441	PRD POOL	\$7.6000	\$18,551.60	WGR455	Fixed
WES GAS RES	WNG	Swing	12/14/00	12/14/00	1	9,000	9,000	PRD POOL	\$7.6000	\$68,400.00	WGR455	Fixed
WES GAS RES	WNG	Swing	12/15/00	12/15/00	1	2,441	2,441	PRD POOL	\$7.7000	\$18,795.70	WGR455	Fixed
WES GAS RES	WNG	Swing	12/15/00	12/15/00	1	8,998	8,998	PRD POOL	\$7.7000	\$69,284.60	WGR455	Fixed
WES GAS RES	WNG	Swing	12/16/00	12/18/00	3	2,441	7,323	PRD POOL	\$7.7500	\$56,753.25	WGR455	Fixed
WES GAS RES	WNG	Swing	12/16/00	12/18/00	3	9,000	27,000	PRD POOL	\$7.7500	\$209,250.00	WGR455	Fixed
WES GAS RES	WNG	Swing	12/19/00	12/19/00	1	2,000	2,000	PRD POOL	\$9.5650	\$19,130.00	WGR455	Williams GDA
WES GAS RES	WNG	Swing	12/19/00	12/19/00	1	9,441	9,441	PRD POOL	\$9.5650	\$90,303.17	WGR455	Williams GDA
WES GAS RES	WNG	Swing	12/20/00	12/20/00	1	2,000	2,000	PRD POOL	\$9.2900	\$18,580.00	WGR455	Williams GDA
WES GAS RES	WNG	Swing	12/20/00	12/20/00	1	9,457	9,457	PRD POOL	\$9.2900	\$87,855.53	WGR455	Williams GDA
WES GAS RES	WNG	Swing	12/21/00	12/21/00	1	2,000	2,000	PRD POOL	\$10.0000	\$20,000.00	WGR455	Fixed
WES GAS RES	WNG	Swing	12/21/00	12/21/00	1	9,464	9,464	PRD POOL	\$10.0000	\$94,640.00	WGR455	Fixed
WESCO	WNG	Swing	12/11/00	12/11/00	1	11,000	11,000	MKT POOL	\$11.7500	\$129,250.00	WES18	Fixed
WESCO	WNG	Swing	12/14/00	12/14/00	1	3,000	3,000	PRD POOL	\$7.7000	\$23,100.00	WES18	Fixed
WESCO	WNG	Swing	12/16/00	12/18/00	3	10,000	30,000	MKT POOL	\$8.5000	\$255,000.00	WES18	Fixed
WESCO	WNG	Swing	12/19/00	12/19/00	1	15,000	15,000	MKT POOL	\$10.4500	\$156,750.00	WES18	Fixed
WESCO	WNG	Swing	12/20/00	12/20/00	1	15,000	15,000	MKT POOL	\$9.8000	\$147,000.00	WES18	Fixed
WESCO	WNG	Swing	12/21/00	12/21/00	1	21,000	21,000	MKT POOL	\$10.7000	\$224,700.00	WES18	Fixed
WESCO	WNG	Swing	12/22/00	12/26/00	5	21,000	105,000	MKT POOL	\$12.0000	\$1,260,000.00	WES18	Fixed
WESCO	WNG	Swing	12/27/00	12/27/00	1	20,000	20,000	MKT POOL	\$11.5000	\$230,000.00	WES18	Fixed
WESCO	WNG	Swing	12/16/00	12/18/00	3	10,000	30,000	PRODUCTION SPECIAL S	\$9.2500	\$277,500.00	WES19	Fixed
WESCO	WNG	Swing	12/21/00	12/21/00	1	9,000	9,000	PRD POOL	\$10.5000	\$94,500.00	WES19	Fixed

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MPS East Supplier	Pipeline	Supply Pool	Start Date	End Date	Days	Receipt Volume	Total Volume	Receipt Point	Gas Cost	Total Cost	Package ID	Index Fixed
TransCanada	PEPL	Swing	01/06/01	01/08/01	3	3,000	9,000	PT - Cibola Corporation	\$ 9.3000	\$ 83,700.00	CIB559	PEPL GDA
Anadarko	PEPL	Baseload	01/01/01	01/31/01	31	7,000	217,000	PT - Western Gas Resources	\$ 9.9775	\$ 2,165,117.50	ANA486	PEPL IFERC - .005

MPS North Supplier	Pipeline	Supply Pool	Start Date	End Date	Days	Receipt Volume	Total Volume	Receipt Point	Gas Cost	Total Cost	Package ID	Index Fixed
TransCanada	PEPL	Swing	01/06/01	01/08/01	3	3,000	9,000	PT - Cibola Corporation	\$ 9.3000	\$ 83,700.00	CIB559	PEPL GDA
Anadarko	PEPL	Baseload	01/01/01	01/31/01	31	7,000	217,000	PT - Western Gas Resources	\$ 9.9775	\$ 2,165,117.50	ANA486	PEPL IFERC - .005

MPS South	Supplier	Pipeline	Supply Pool	Start Date	End Date	Days	Receipt Volume	Total Volume	Receipt Point	Gas Cost	Total Cost	Package ID	Index Fixed
AMOCO USA	WNG	Term		01/01/01	01/11/01	11	2,000	22,000	PRD POOL	\$9.9800	\$219,560.00	AMO466	Williams IFERC
AMOCO USA	WNG	Term		01/01/01	01/24/01	24	3,000	72,000	94,000 PRD POOL	\$9.9800	\$718,560.00	AMO466	Williams IFERC
AMOCO USA	WNG	Term		01/12/01	01/24/01	13	150	1,950	PRD POOL	\$9.9800	\$19,461.00	AMO466	Williams IFERC
AMOCO USA	WNG	Term		01/12/01	01/24/01	13	1,850	24,050	PRD POOL	\$9.9800	\$240,019.00	AMO466	Williams IFERC
AMOCO USA	WNG	Term		01/25/01	01/31/01	7	150	1,050	PRD POOL	\$9.9800	\$10,479.00	AMO466	Williams IFERC
AMOCO USA	WNG	Term		01/25/01	01/31/01	7	1,850	12,950	PRD POOL	\$9.9800	\$129,241.00	AMO466	Williams IFERC
AMOCO USA	WNG	Term		01/25/01	01/31/01	7	3,000	21,000	PRD POOL	\$9.9800	\$209,580.00	AMO466	#DIV/01 Williams IFERC
AMOCO USA	WNG	Term		01/01/01	01/07/01	7	5,000	35,000	PRD POOL	\$9.9800	\$349,300.00	AMO467	Williams IFERC
AMOCO USA	WNG	Term		01/03/01	01/24/01	22	5,000	110,000	145,000 PRD POOL	\$9.9800	\$1,097,800.00	AMO467	\$9.9800 Williams IFERC
ANADARKO	WNG	Term		01/01/01	01/31/01	31	2,500	77,500	77,500 PRD POOL	\$4.0050	\$310,387.50	ANA461	\$4.0050 Fixed
ANADARKO	WNG	Term		01/01/01	01/31/01	31	2,500	77,500	77,500 PRD POOL	\$4.1450	\$321,237.50	ANA466	\$4.1450 Fixed
ANADARKO	WNG	Swing		01/13/01	01/16/01	4	4,000	16,000	16,000 PRD POOL	\$8.7450	\$139,920.00	ANA487	\$8.7450 Williams GDA + .01
AQUILA OMAHA	WNG	Term		01/01/01	01/30/01	30	2,500	75,000	168,500 PRD POOL	\$3.8550	\$289,125.00	AQU3557	Fixed
AQUILA OMAHA	WNG	Term		01/19/01	01/19/01	1	47	47	PRD POOL	\$3.8550	\$181.19	AQU3557	Fixed
AQUILA OMAHA	WNG	Term		01/19/01	01/19/01	1	2,453	2,453	PRD POOL	\$3.8550	\$9,456.32	AQU3557	#DIV/01 Fixed
AQUILA OMAHA	WNG	Term		01/01/01	01/31/01	31	26	806	OK-HUGO	\$3.9300	\$3,167.58	AQU3642	Fixed
AQUILA OMAHA	WNG	Term		01/01/01	01/03/01	3	19	57	PRD POOL	\$3.9300	\$224.01	AQU3642	Fixed
AQUILA OMAHA	WNG	Term		01/01/01	01/03/01	3	196	588	PRD POOL	\$3.9300	\$2,310.84	AQU3642	Fixed
AQUILA OMAHA	WNG	Term		01/01/01	01/16/01	16	2,259	36,144	492,095 PRD POOL	\$3.9300	\$142,045.92	AQU3642	Fixed
AQUILA OMAHA	WNG	Term		01/04/01	01/11/01	8	215	1,720	PRD POOL	\$3.9300	\$6,759.60	AQU3642	Fixed
AQUILA OMAHA	WNG	Term		01/05/01	01/10/01	6	26	156	PRD POOL	\$3.9300	\$613.08	AQU3642	Fixed
AQUILA OMAHA	WNG	Term		01/05/01	01/10/01	6	189	1,134	PRD POOL	\$3.9300	\$4,456.62	AQU3642	Fixed
AQUILA OMAHA	WNG	Term		01/17/01	01/18/01	2	2,259	4,518	PRODUCTION SPECIAL S	\$3.9300	\$17,755.74	AQU3642	Fixed
AQUILA OMAHA	WNG	Term		01/17/01	01/17/01	1	87	87	PRD POOL	\$3.9300	\$341.91	AQU3642	Fixed
AQUILA OMAHA	WNG	Term		01/17/01	01/17/01	1	128	128	PRD POOL	\$3.9300	\$503.04	AQU3642	Fixed
AQUILA OMAHA	WNG	Term		01/18/01	01/30/01	13	100	1,300	PRD POOL	\$3.9300	\$5,109.00	AQU3642	Fixed
AQUILA OMAHA	WNG	Term		01/18/01	01/30/01	13	115	1,495	PRD POOL	\$3.9300	\$5,875.35	AQU3642	Fixed
AQUILA OMAHA	WNG	Term		01/19/01	01/19/01	1	159	159	PRD POOL	\$3.9300	\$624.87	AQU3642	Fixed
AQUILA OMAHA	WNG	Term		01/19/01	01/19/01	1	2,100	2,100	PRD POOL	\$3.9300	\$8,253.00	AQU3642	Fixed
AQUILA OMAHA	WNG	Term		01/20/01	01/23/01	4	75	300	PRODUCTION SPECIAL S	\$3.9300	\$1,179.00	AQU3642	Fixed
AQUILA OMAHA	WNG	Term		01/20/01	01/31/01	12	2,184	26,208	PRD POOL	\$3.9300	\$102,997.44	AQU3642	Fixed
AQUILA OMAHA	WNG	Term		01/24/01	01/31/01	8	75	600	PRD POOL	\$3.9300	\$2,358.00	AQU3642	#DIV/01 Fixed
AQUILA OMAHA	WNG	Term		01/01/01	01/31/01	31	13	403	PRD POOL	\$4.4775	\$1,804.43	AQU3728	Fixed
AQUILA OMAHA	WNG	Term		01/01/01	01/31/01	31	150	4,650	PRD POOL	\$4.4775	\$20,820.38	AQU3728	Fixed
AQUILA OMAHA	WNG	Term		01/01/01	01/19/01	19	2,337	44,403	81,746 PRD POOL	\$4.4775	\$198,814.43	AQU3728	Fixed
AQUILA OMAHA	WNG	Term		01/11/01	01/11/01	1	435	435	PRD POOL	\$4.4775	\$1,947.71	AQU3728	Fixed
AQUILA OMAHA	WNG	Term		01/11/01	01/11/01	1	1,902	1,902	PRD POOL	\$4.4775	\$8,516.21	AQU3728	Fixed
AQUILA OMAHA	WNG	Term		01/12/01	01/12/01	1	2,031	2,031	PRODUCTION SPECIAL S	\$4.4775	\$9,093.80	AQU3728	Fixed
AQUILA OMAHA	WNG	Term		01/12/01	01/16/01	5	306	1,530	PRD POOL	\$4.4775	\$6,850.58	AQU3728	Fixed
AQUILA OMAHA	WNG	Term		01/13/01	01/16/01	4	2,031	8,124	PRD POOL	\$4.4775	\$36,375.21	AQU3728	Fixed
AQUILA OMAHA	WNG	Term		01/17/01	01/21/01	5	2,337	11,685	PRODUCTION SPECIAL S	\$4.4775	\$52,319.59	AQU3728	Fixed
AQUILA OMAHA	WNG	Term		01/18/01	01/18/01	1	153	153	PRODUCTION SPECIAL S	\$4.4775	\$685.06	AQU3728	Fixed
AQUILA OMAHA	WNG	Term		01/18/01	01/18/01	1	2,184	2,184	PRD POOL	\$4.4775	\$9,778.86	AQU3728	#DIV/01 Fixed
AQUILA OMAHA	WNG	Swing		01/17/01	01/17/01	1	4,821	4,821	PRD POOL	\$8.2650	\$39,845.57	AQU4134	Williams GDA
AQUILA OMAHA	WNG	Swing		01/19/01	01/19/01	1	5,018	5,018	9,839 PRD POOL	\$7.3300	\$36,781.94	AQU4134	\$7.7881 Williams GDA
ENGAGE USA	WNG	Baseload		01/01/01	01/24/01	24	2,304	55,296	60,314 ECHO SPRIN	\$8.6500	\$478,310.40	ENG877	CIG IFER + .02
ENGAGE USA	WNG	Baseload		01/25/01	01/31/01	7	2,304	16,128	ECHO SPRIN	\$8.6500	\$139,507.20	ENG877	#DIV/01 CIG IFER + .02
ONEOK	WNG	Term		01/01/01	01/24/01	24	10,000	240,000	256,128 PRD POOL	\$9.9800	\$2,395,200.00	ONE169	Williams IFERC
ONEOK	WNG	Term		01/25/01	01/31/01	7	10,000	70,000	PRD POOL	\$9.9800	\$698,600.00	ONE169	#DIV/01 Williams IFERC
ONEOK	WNG	Term		01/03/01	01/08/01	6	10,000	60,000	PRD POOL	\$9.9800	\$598,800.00	ONE170	Williams IFERC
ONEOK	WNG	Term		01/10/01	01/31/01	22	10,000	220,000	280,000 PRD POOL	\$9.9800	\$2,195,600.00	ONE170	\$9.9800 Williams IFERC
ONEOK	WNG	Term		01/01/01	01/31/01	31	2,500	77,500	77,500 PRD POOL	\$5.1700	\$400,675.00	ONE176	\$5.1700 Fixed
TENASKA	WNG	Baseload		01/01/01	01/24/01	24	5,000	120,000	197,500 MKT POOL	\$10.5800	\$1,269,600.00	TEN1259	Williams IFERC + .60
TENASKA	WNG	Baseload		01/25/01	01/31/01	7	5,000	35,000	MKT POOL	\$10.5800	\$370,300.00	TEN1259	#DIV/01 Williams IFERC + .60
TENASKA	WNG	Baseload		01/01/01	01/31/01	31	12,000	372,000	372,000 MKT POOL	\$10.8000	\$4,017,600.00	TEN1264	\$10.8000 Fixed
TENASKA	WNG	Baseload		01/01/01	01/31/01	31	2,500	77,500	77,500 MKT POOL	\$11.1500	\$864,125.00	TEN1265	\$11.1500 Fixed

TENASKA	WNG	Swing	01/03/01	01/03/01	1	10,000	10,000	87,500	PRODUCTION SPECIAL S	\$9.2000	\$92,000.00	TEN1267		Fixed
TENASKA	WNG	Swing	01/04/01	01/04/01	1	5,000	5,000		PRODUCTION SPECIAL S	\$9.1950	\$45,975.00	TEN1267	#DIV/0!	Williams GDA
TENASKA	WNG	Swing	01/17/01	01/17/01	1	10,000	10,000	102,500	PRODUCTION SPECIAL S	\$8.3000	\$83,000.00	TEN1269		Fixed
TENASKA	WNG	Swing	01/18/01	01/18/01	1	10,000	10,000		PRODUCTION SPECIAL S	\$7.9500	\$79,500.00	TEN1269		Fixed
TENASKA	WNG	Swing	01/19/01	01/19/01	1	5,000	5,000		PRODUCTION SPECIAL S	\$7.4500	\$37,250.00	TEN1269		Fixed
TENASKA	WNG	Swing	01/20/01	01/22/01	3	5,000	15,000		PRODUCTION SPECIAL S	\$7.7750	\$116,625.00	TEN1269	#DIV/0!	Fixed
TEXACO	WNG	Swing	01/19/01	01/19/01	1	3,412	3,412		PRD POOL	\$7.3500	\$25,078.20	TEX338		Williams GDA + .02
TEXACO	WNG	Swing	01/20/01	01/22/01	3	3,412	10,236		PRD POOL	\$7.8050	\$79,891.98	TEX338		Williams GDA + .02
TEXACO	WNG	Swing	01/23/01	01/24/01	2	7,101	14,202	27,850	PRD POOL	\$7.2800	\$103,390.56	TEX338	\$7.4815	Williams GDA + .02
TRANSCANADAE	WNG	Swing	01/17/01	01/17/01	1	5,000	5,000	47,850	PRD POOL	\$8.2850	\$41,425.00	CIB560		Williams GDA + .02
TRANSCANADAE	WNG	Swing	01/18/01	01/18/01	1	5,000	5,000		PRD POOL	\$8.0950	\$40,475.00	CIB560		Williams GDA + .02
TRANSCANADAE	WNG	Swing	01/19/01	01/19/01	1	5,000	5,000		PRD POOL	\$7.3500	\$36,750.00	CIB560		Williams GDA + .02
TRANSCANADAE	WNG	Swing	01/20/01	01/22/01	3	5,000	15,000		PRD POOL	\$7.8050	\$117,075.00	CIB560		Williams GDA + .02
TRANSCANADAE	WNG	Swing	01/23/01	01/24/01	2	5,000	10,000		PRD POOL	\$7.2800	\$72,800.00	CIB560	#DIV/0!	Williams GDA + .02
WES GAS RES	WNG	Baseload	01/01/01	01/03/01	3	417	1,251		PRD POOL	\$5.2100	\$6,517.71	WGR444		Fixed
WES GAS RES	WNG	Baseload	01/01/01	01/03/01	3	4,583	13,749		PRD POOL	\$5.2100	\$71,632.29	WGR444		Fixed
WES GAS RES	WNG	Baseload	01/04/01	01/22/01	19	5,000	95,000	222,850	PRD POOL	\$5.2100	\$494,950.00	WGR444		Fixed
WES GAS RES	WNG	Baseload	01/05/01	01/05/01	1	2,374	2,374		PRD POOL	\$5.2100	\$12,368.54	WGR444		Fixed
WES GAS RES	WNG	Baseload	01/05/01	01/05/01	1	2,626	2,626		PRD POOL	\$5.2100	\$13,681.46	WGR444		Fixed
WES GAS RES	WNG	Baseload	01/19/01	01/19/01	1	24	24		PRD POOL	\$5.2100	\$125.04	WGR444		Fixed
WES GAS RES	WNG	Baseload	01/19/01	01/19/01	1	4,976	4,976		PRD POOL	\$5.2100	\$25,924.96	WGR444		Fixed
WES GAS RES	WNG	Baseload	01/20/01	01/22/01	3	685	2,055		PRD POOL	\$5.2100	\$10,706.55	WGR444		Fixed
WES GAS RES	WNG	Baseload	01/20/01	01/22/01	3	963	2,889		PRD POOL	\$5.2100	\$15,051.69	WGR444		Fixed
WES GAS RES	WNG	Baseload	01/20/01	01/22/01	3	3,352	10,056		PRD POOL	\$5.2100	\$52,391.76	WGR444		Fixed
WES GAS RES	WNG	Baseload	01/23/01	01/23/01	1	37	37		PRD POOL	\$5.2100	\$192.77	WGR444		Fixed
WES GAS RES	WNG	Baseload	01/23/01	01/23/01	1	4,963	4,963		PRD POOL	\$5.2100	\$25,857.23	WGR444		Fixed
WES GAS RES	WNG	Baseload	01/24/01	01/24/01	1	2,000	2,000		PRD POOL	\$5.2100	\$10,420.00	WGR444		Fixed
WES GAS RES	WNG	Baseload	01/24/01	01/24/01	1	3,000	3,000		PRD POOL	\$5.2100	\$15,630.00	WGR444		Fixed
WES GAS RES	WNG	Baseload	01/25/01	01/26/01	2	531	1,062		PRD POOL	\$5.2100	\$5,533.02	WGR444		Fixed
WES GAS RES	WNG	Baseload	01/25/01	01/26/01	2	4,469	8,938		PRD POOL	\$5.2100	\$46,566.98	WGR444	#DIV/0!	Fixed
WES GAS RES	WNG	Baseload	01/01/01	01/24/01	24	3,000	72,000	80,938	MKT POOL	\$10.3800	\$747,360.00	WGR460		Williams GDA + .40
WES GAS RES	WNG	Baseload	01/25/01	01/31/01	7	3,000	21,000		MKT POOL	\$10.3800	\$217,980.00	WGR460	#DIV/0!	Williams GDA + .40
WES GAS RES	WNG	Swing	01/13/01	01/16/01	4	1,094	4,376	4,376	PRD POOL	\$8.7450	\$38,268.12	WGR463		Williams GDA + .01
WESCO	WNG	Swing	01/01/01	01/02/01	2	6,000	12,000	12,000	PRODUCTION SPECIAL S	\$10.6000	\$127,200.00	WES20	\$10.6000	Fixed

2,443,989 3,068,986

**Missouri Public Service  
Southern System  
2000-2001 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-99	3.6523	Nov-00	5.8957	2.2434	693,291
Dec-99	3.6523	Dec-00	5.8957	2.2434	1,279,372
Jan-00	3.6523	Jan-01	5.8957	2.2434	1,686,770
Feb-00	3.6523	Feb-01	5.8957	2.2434	1,550,970
Mar-00	3.6523	Mar-01	5.8957	2.2434	1,136,425

**Estimated Winter Season Change in Revenue                    6,346,828**

**Percent Change Between PGA Factors    61.42%**

**Unscheduled Filing Revised Calculation for March 2001**

Month	PGA Factor	Month	PGA Factor	PGA Change (3/01)	Revenue Impact (Winter Season)
Mar-01	5.8957	Mar-01	7.8774	1.9817	1,003,857

**Additional Estimated Winter Season Change in Revenue March 2001                    1,003,857**

**Percent Change Between Original & Revised March 2001 PGA Factors    33.61%**

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
<b>TOTAL</b>	<b>120</b>	<b>100%</b>	<b>3,823,123</b>

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

**Missouri Public Service  
Northern System  
2000-2001 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-99	4.1366	Nov-00	6.7027	2.5661	304,663
Dec-99	4.1366	Dec-00	6.7027	2.5661	562,213
Jan-00	4.1366	Jan-01	6.7027	2.5661	741,242
Feb-00	4.1366	Feb-01	6.7027	2.5661	681,566
Mar-00	4.1366	Mar-01	6.7027	2.5661	499,396

**Estimated Winter Season Change in Revenue** **2,789,081**

**Percent Change Between PGA Factors** **62.03%**

**Unscheduled Filing Revised Calculation for March 2001**

Month	PGA Factor	Month	PGA Factor	PGA Change (3/01)	Revenue Impact (Winter Season)
Mar-01	6.7027	Mar-01	8.6348	1.9321	376,012

**Additional Estimated Winter Season Change in Revenue March 2001** **376,012**

**Percent Change Between Original & Revised March 2001 PGA Factors** **28.83%**

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	<u>17.9</u>	<u>14.92%</u>	<u>219,093</u>
<b>TOTAL</b>	<b>120</b>	<b>100%</b>	<b>1,468,777</b>

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

**Missouri Public Service  
Eastern System  
2000-2001 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-99	6.1489	Nov-00	9.2690	3.1201	95,604
Dec-99	6.1489	Dec-00	9.2690	3.1201	176,423
Jan-00	6.1489	Jan-01	9.2690	3.1201	232,602
Feb-00	6.1489	Feb-01	9.2690	3.1201	213,876
Mar-00	6.1489	Mar-01	9.2690	3.1201	156,711

**Estimated Winter Season Change in Revenue                    875,216**

**Percent Change Between PGA Factors                                    50.74%**

**Unscheduled Filing Revised Calculation for March 2001**

Month	PGA Factor	Month	PGA Factor	PGA Change (3/01)	Revenue Impact (Winter Season)
Mar-01	9.269	Mar-01	11.6476	2.3786	119,468

**Additional Estimated Winter Season Change in Revenue March 2001                    119,468**

**Percent Change Between Original & Revised March 2001 PGA Factors                                    25.66%**

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
<b>TOTAL</b>	<b>120</b>	<b>100%</b>	<b>379,066</b>

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

UtiliCorp United, Inc. Response to Missouri Staff Request for Unscheduled Missouri Filing

Request:

A detailed list of all measures taken by the Company to mitigate the impact of high index pricing and/or short term pricing, including but not limited to the use of fixed prices, financial instruments, storage, physical contract caps or collars, etc. Please provide all supporting information that quantifies the volume of gas hedged or capped, the strike price or ceiling of the caps, and costs of the hedges, and all other details necessary to calculate how much of the Company's gas is exposed to current market prices versus gas that has some contractual limit to how high it can escalate. The detail should also include all necessary information to calculate on a monthly basis for Nov. 2000 through Mar. 2001, the mitigation or hedging effect of winter supplies that contain a cap versus an index or short-term market price.

MPS South System

On the MPS South System, UtiliCorp Gas Supply Services established a diversified procurement portfolio going into the heating season (November 2000 through March 2001) by purchasing normal gas requirements by utilizing the following procurement strategies:

- 1) Term - Williams Index (Physical)
- 2) Term - Fixed Price (Physical)
- 3) Monthly - Williams Index (Physical)
- 4) Storage

A total of 7,604 Dth/Day was purchased via the Term – Fixed Price mechanism. This was accomplished by purchasing the gas at various points in time, typically twice monthly, beginning in July of 2000. The gas was purchased in seven installments.

A total of 11,925 Dth/Day was purchased via the Term – Williams Index mechanism. Please see the Williams Supply Detail worksheets for pricing information.

Based on normal monthly requirements, Storage was to be utilized on the following percentages:

November:	12.5%
December:	25.0%
January:	25.0%
February:	25.0%
March:	12.5%

The remainder of normal monthly requirements less the Term gas and Storage is to be purchased at Monthly – Williams Index.

If colder than normal weather, than additional Monthly – Williams Index, Spot Daily gas and Storage gas will be used to meet requirements.

The following table depicts the fixed price purchases versus Williams Index:

Package	Daily Volume	Fixed Price	Nov. WGPC Index	Dec. WGPC Index	Jan. WGPC Index	Feb. WGPC Index *	Mar. WGPC Index *
ANA461	951	\$ 4.0050	\$ 4.4300 \$ (0.4250)	\$ 5.9000 \$ (1.8950)	\$ 9.9800 \$ (5.9750)	\$ 6.5300 \$ (2.5250)	\$ 6.1600 \$ (2.1550)
ANA466	951	\$ 4.1450	\$ 4.4300 \$ (0.2850)	\$ 5.9000 \$ (1.7550)	\$ 9.9800 \$ (5.8350)	\$ 6.5300 \$ (2.3850)	\$ 6.1600 \$ (2.0150)
AQU3557	951	\$ 3.8550	\$ 4.4300 \$ (0.5750)	\$ 5.9000 \$ (2.0450)	\$ 9.9800 \$ (6.1250)	\$ 6.5300 \$ (2.6750)	\$ 6.1600 \$ (2.3050)
AQU3642	951	\$ 3.9300	\$ 4.4300 \$ (0.5000)	\$ 5.9000 \$ (1.9700)	\$ 9.9800 \$ (6.0500)	\$ 6.5300 \$ (2.6000)	\$ 6.1600 \$ (2.2300)
AQU3728	951	\$ 4.4775	\$ 4.4300 \$ 0.0475	\$ 5.9000 \$ (1.4225)	\$ 9.9800 \$ (5.5025)	\$ 6.5300 \$ (2.0525)	\$ 6.1600 \$ (1.6825)
ONE176	951	\$ 5.1700	\$ 4.4300 \$ 0.7400	\$ 5.9000 \$ (0.7300)	\$ 9.9800 \$ (4.8100)	\$ 6.5300 \$ (1.3600)	\$ 6.1600 \$ (0.9900)
WGR444	1,901	\$ 5.2100	\$ 4.4300 \$ 0.7800	\$ 5.9000 \$ (0.6900)	\$ 9.9800 \$ (4.7700)	\$ 6.5300 \$ (1.3200)	\$ 6.1600 \$ (0.9500)
Totals	7,604		\$ 534.66	\$ (10,643.22)	\$ (41,667.54)	\$ (15,433.74)	\$ (12,620.26)

Total Winter Season Savings Over First of Month Williams Index

\$ (79,830.12)

\* February and March is based off NYMEX screen minus \$.03 basis. This is only an estimate of Williams Index.

### MPS North System

On the MPS North System, UtiliCorp Gas Supply Services purchased no fixed price gas for the MPS North System.

UtiliCorp Gas Supply Services is to meet all normal requirements with PEPL Monthly Index and Storage gas.

Based on normal monthly requirements, Storage was to be utilized on the following percentages:

November:	12.5%
December:	25.0%
January:	25.0%
February:	25.0%
March:	12.5%

If colder than normal weather, than additional Monthly – PEPL Index, Spot Daily gas and Storage gas will be used to meet requirements.

MPS East System

On the MPS East System, UtiliCorp Gas Supply Services will meet all normal requirements with PEPL Monthly Index.

If colder than normal weather, than additional Monthly – PEPL Index and Spot Daily gas will be used to meet requirements.