

Missouri Gas Energy
A Division of Southern Union Company

Missouri Public Counsel
Case Number GR-2001-382
Data Request Number 62

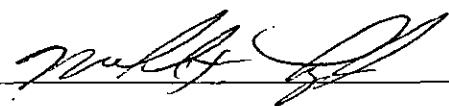
Requested By: Lesa Jenkins and Anne Allee

Requested From: Mike Noack

Date of Request: March 26, 2002

Information Requested: With regard to the preceding data request, please indicate and quantify all factors that had an impact on monthly nominations including subsequent changes to the monthly nominations.

Response: See answer to Data Request Number 61. In addition, attached is a general discussion of the timeline involved in the monthly supply plans for November, 2000 through March, 2001 with discussion of the most significant factors impacting those plans.

Prepared By: 

Date: cf. 26-2002

MTL-16
Page 1

**Timeline of Significant Events
Storage Injection/Expected Demand
November, 2000 – March, 2001
MPSC Case #GR-2001-382**

- I. July 1, 2000:
Filed Reliability Report with base case reflecting expected supply needs
- Support: Copy of page 10 of Reliability Report showing forecasted volume requirements
- II. October, 2000:
Due to warmer than expected weather, projections showed MGE would exceed contracted TSS Storage Capacity. MGE entered into an Interruptible Storage Arrangement with Williams to provide for an additional 500,000 MMBtu of storage capacity. Williams then transferred 500,000 MMBtu of inventory out of the firm TSS into the ISS to insure that MGE would not exceed its capacity contracted under TSS contract.
- Support: November 10th Storage Report:
Total injections in October at 1,470,577 MMBtu net of fuel resulted in ISS storage capacity of 500,000 MMBtu and TSS inventory of 15,093,505 MMBtu out of total TSS capacity of 15,173,329 MMBtu. Therefore, incremental storage inventory availability was $500,000 - (15,173,329 - 15,093,505) = 419,676$ MMBtu (also see Reliability Report page 28 for total contracted storage capacities).
- III. On or about October 23, 2000:
Finalized November, 2000 Supply Plan. Requirements were based on projected baseload amount as reported in the Reliability Report plus an amount necessary to balance the Limited Jurisdictional Exchange Agreement with KGS (25,000 MMBtu) resulting in a total expected demand of 7,425,361 MMBtu. TSS storage withdrawal followed planned levels of 4,000,000 MMBtu with an additional 150,000 MMBtu of withdrawal capacity planned in order to begin utilizing the excess ISS storage capacity available to the Company.
- Support: Copy of the final November Supply Demand Summary dated October 23, 2000. Copy of original storage plans.
- IV. November 27, 2000:
Finalized December, 2000 Supply Plan. Expected need was based upon original base projections (12,375,465) plus an amount needed for limited jurisdictional exchange with KGS (25,000 MMBtu). Total required supply to meet demand 12,400,465 MMBtu. The storage withdrawal

based on the Plan 2,849,985 no incremental storage from ISS capacity was planned since the daily withdrawal numbers showed that we had exceeded the November Plan levels as a result of the colder than normal weather.

Plan anticipated entering December: 20,000 MMBtu short of maximum flowing gas. This shortfall was planned as an effort to capitalize on price reductions that, at the time, MGE expected to materialize in the market during December. This expectation was not, however, fulfilled.

Support: See attached copies of correspondence outlining December Supply Plans.

- V. Expected Storage withdrawal for November, as of November 27:
The daily storage report was 4,506,299 MMBtu.

Support: On November 27, the storage balance projection sheet.

These numbers indicated that the projected November storage withdrawal values were reasonably close to the plan of 4,150,000 level and, therefore, no additional adjustment in December plans for storage was deemed necessary.

Weather projections for early December, based on AccuWeather forecast on November 27, 2000, at the time this plan was finalized, showed for the first 3 days of December to be at or warmer than normal expected heating degree days.

- VI. Through December 10th:

Actual heating degree days were generally warmer than normal. However, projections covering the period after December 10th began showing significantly colder weather. On December 7th and 8th, forecasts began showing increased average heating degree days expectations. December 9th and 10th were weekend days. On Monday, December 11, 2000, with the weather continuing to show significantly colder values, MGE purchased additional intraday gas for December 11, 2000. In addition, additional incremental supplies were purchased for the remainder of the month.

Support: Storage sheets for December 7th, 8th, and 11th. Incremental purchase summary.

All days in December, after December 10, 2000, exhibited heating degree days at or colder than normal expected levels.

VII. December 19th and 20th:

Finalized January's Supply Plans. Stated concerns show severe deficiencies in storage balances possible through the winter based on the revised November take levels following Williams' actual TSS balance reports which showed an additional approximately 400,000 MMBtu of storage withdrawal in November than had been expected based on MGE's forecast. In addition, MGE added incremental flowing gas of approximately 32,893 MMBtu per day of gas for the January time period and, as a result of total overall adjustments, reduced the planned TSS withdrawal from inventory levels from 2,849,985 to 1,530,005 MMBtu.

Support: Correspondence on storage reports outlining additional flowing supplies and potential storage shortfall projections.

VIII. Early January:

Prices generally began falling after the first of January and January weather was generally substantially warmer than normal levels. This resulted in lower overall storage withdrawal levels than anticipated by MGE's January supply plan.

IX. January 16th and 17th:

Finalized February Supply Plan. Entered the month with 20,000 MMBtu short due to falling prices and warm weather being experienced in January.

February was slightly colder than normal levels, yet the overall system demand was reduced and did not result in strong storage pulls. Prices generally declined through February. MGE did not purchase incremental supplies during the month of February as a result of the projections of storage withdrawal not showing substantial deviance from planned levels.

Support: See attached correspondence finalizing February Supply Plan.

X. February 16th:

Finalized March 2001 Supply Plans. Plan for March showed 25,000 MMBtu low on supply vs. expected demand levels in an attempt to take advantage of falling prices and more moderate storage withdrawal levels than experienced during January and February.

Support: See attached correspondence finalizing March Supply Plan.

XI. March 8th through 31st:

The incremental purchases being made to adjust projected March storage levels to reflect planned end of March storage inventory levels of approximately of 500,000 MMBtu.

Support:

See attached summary of potential purchases and informal analysis of need for continued incremental gas.

Support:

See attached summary of potential purchases and informal analysis of need for continued incremental gas.

I. July 1, 2000

Table I-3

MGE Historical Demand Calculator
 30-Year Normal Weather
 2001 Fiscal Year Forecast
 All Volumes in Oth

MONTH	Jul-00	Aug-00	Sep-00	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01
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Base Case - 30 Year Normal Weather
 Heating Degree Days = 5393 (Normal)

n Total	1416147	1508339	1680470	3257311	7400361	12375465	13868421	11213497	8423472	4142776	2612050	1673255	69571565
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Low Case

Heating Degree Days = 3866 (71.69% of Normal)

l Total	1416147	1508339	1521526	3096277	5587935	10592504	10077482	8819953	6845539	2868960	1632210	1656552	55623424
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High Case

Heating Degree Days = 7220 (133.87% of Normal)

h Total	1416147	1567912	2052175	4035083	9140788	17896663	16186584	13732070	10514864	6104457	2994792	1674924	87316459
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DMD00_01.xls / 2001 Fiscal_30
 July 1, 2000

II. October, 2000

STORAGE: 1SA0092 - ISS - MARKET AREA

07831

WILLIAMS GAS PIPELINES CENTRAL, INC.
STORAGE STATEMENT
FOR THE MONTH OF OCTOBER 2000

11/10/2000

PAGE 5
19:01:34

ADJ. DATE	TRANSPORTATION CONTRACT	RSC	GROSS DTH.
INJECTIONS:			0
TOTAL INJECTIONS:			0
WITHDRAWAL:			0
TOTAL WITHDRAWAL:			0

CURRENT MONTH FUEL PERCENTAGE IS: 4.45

	DTH
CURRENT MONTH INJECTIONS	0
CURRENT MONTH WITHDRAWAL	0
CURRENT MONTH CREDIT BACK FUEL	0
CURRENT MONTH INJ OR WDR	0
CURRENT MONTH FUEL ON INJ	0
CURRENT MONTH NET	0
PRIOR PERIOD ADJ. INJECTIONS	0
PRIOR PERIOD ADJ. WITHDRAWALS	0
PRIOR PERIOD ADJ. CREDIT BACK FUEL	0
PRIOR PERIOD ADJ. INJ OR WDR	0
PRIOR PERIOD ADJ. FUEL ON INJ	0
PRIOR PERIOD ADJ. NET	0
CURRENT ACTIVITY BALANCE	0
PRIOR MONTH BALANCE	0
TRANSFER FROM	500000-
MARKET AREA ENDING BALANCE	500000-

ADJ. DATE	STORAGE CONTRACT	BILLED DTH.	TYPE CHARGE	RATE	AMOUNT
	1SA0092	500,000	CMD	0.029000	\$14,500.00
TOTAL STORAGE CHARGE					\$14,500.00

(-) : BALANCE DUE SHIPPER
(+) : BALANCE DUE WNG

STORAGE: MGE
SA0014 - TSS - MARKET AREA

07831

WILLIAMS GAS PIPELINES CENTRAL, INC.
STORAGE STATEMENT
FOR THE MONTH OF OCTOBER 2000

PAGE 3
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ADJ. DATE	TRANSPORTATION CONTRACT	RSC	GROSS DTH.
INJECTIONS:			
	1TA0014	TSS	1,539,086
TOTAL INJECTIONS:			1,539,086 ✓
WITHDRAWAL:			0
TOTAL WITHDRAWAL:			0
CURRENT MONTH FUEL PERCENTAGE IS: 4.45			

	DTH
CURRENT MONTH INJECTIONS	1539086-
CURRENT MONTH WITHDRAWAL	0
CURRENT MONTH CREDIT BACK FUEL	0
CURRENT MONTH INJ OR WDR	1539086- ✓
CURRENT MONTH FUEL ON INJ	68489
CURRENT MONTH NET	1470597-
PRIOR PERIOD ADJ. INJECTIONS	0
PRIOR PERIOD ADJ. WITHDRAWALS	0
PRIOR PERIOD ADJ. CREDIT BACK FUEL	0
PRIOR PERIOD ADJ. INJ OR WDR	0
PRIOR PERIOD ADJ. FUEL ON INJ	0
PRIOR PERIOD ADJ. NET	0
CURRENT ACTIVITY BALANCE	1470597-
PRIOR MONTH BALANCE	14122908-
TRANSFER TO SA0014	500000
MARKET AREA ENDING BALANCE	15093505- ✓

ADJ. DATE	STORAGE CONTRACT	BILLED DTH.	TYPE CHARGE	RATE	AMOUNT
	1SA0014	1,539,086 ✓	INJ	0.012200 ✓	\$18,776.85
	1SA0014	15,093,505 ✓	REC	0.029000 ✓	\$437,711.65
	1SA0014	459,813 ✓	RED	0.508300 ✓	\$233,722.95
TOTAL STORAGE CHARGE					\$690,211.45

(-) : BALANCE DUE SHIPPER
(+) : BALANCE DUE WNG

Sh

STORAGE: MGE
SA0014 - TSS - MARKET AREA

07831

WILLIAMS GAS PIPELINES CENTRAL, INC.
STORAGE STATEMENT
FOR THE MONTH OF OCTOBER 2000

11/10/2000

PAGE 3
19:01:34

ADJ. DATE	TRANSPORTATION CONTRACT	RSC	GROSS DTH.
INJECTIONS:			
	1TA0014	TSS	1,539,086
TOTAL INJECTIONS:			1,539,086 ✓
WITHDRAWAL:			0
TOTAL WITHDRAWAL:			0
CURRENT MONTH FUEL PERCENTAGE IS: 4.45			

	DTH
CURRENT MONTH INJECTIONS	1539086-
CURRENT MONTH WITHDRAWAL	0
CURRENT MONTH CREDIT BACK FUEL	0
CURRENT MONTH INJ OR WDR	1539086- ✓
CURRENT MONTH FUEL ON INJ	68489
CURRENT MONTH NET	1470597-
PRIOR PERIOD ADJ. INJECTIONS	0
PRIOR PERIOD ADJ. WITHDRAWALS	0
PRIOR PERIOD ADJ. CREDIT BACK FUEL	0
PRIOR PERIOD ADJ. INJ OR WDR	0
PRIOR PERIOD ADJ. FUEL ON INJ	0
PRIOR PERIOD ADJ. NET	0
CURRENT ACTIVITY BALANCE	1470597-
PRIOR MONTH BALANCE	14122908-
TRANSFER TO SA0014	500000
MARKET AREA ENDING BALANCE	15093505- ✓

ADJ. DATE	STORAGE CONTRACT	BILLED DTH.	TYPE CHARGE	RATE	AMOUNT
	1SA0014	1,539,086 ✓	INJ	0.012200 ✓	\$18,776.85
	1SA0014	15,093,505 ✓	REC	0.029000 ✓	\$437,711.65
	1SA0014	459,813 ✓	RED	0.508300 ✓	\$233,722.95
TOTAL STORAGE CHARGE					\$690,211.45

(-) : BALANCE DUE SHIPPER
(+) : BALANCE DUE WNG

Sh

STORAGE: MGE
SA0072 - FSS - MARKET AREA

07831

WILLIAMS GAS PIPELINES CENTRAL, INC.
STORAGE STATEMENT
FOR THE MONTH OF OCTOBER 2000

11/10/2000

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19:01:34

ADJ. DATE	TRANSPORTATION CONTRACT	RSC	GROSS DTH.
INJECTIONS:			
	1TA0631	FTS	153,410 ✓
TOTAL INJECTIONS:			153,410
WITHDRAWAL:			0
TOTAL WITHDRAWAL:			0
CURRENT MONTH FUEL PERCENTAGE IS: 4.45			

	DTH
CURRENT MONTH INJECTIONS	153410-
CURRENT MONTH WITHDRAWAL	0
CURRENT MONTH CREDIT BACK FUEL	0
CURRENT MONTH INJ OR WDR	153410- ✓
CURRENT MONTH FUEL ON INJ	6827
CURRENT MONTH NET	146583-
PRIOR PERIOD ADJ. INJECTIONS	0
PRIOR PERIOD ADJ. WITHDRAWALS	0
PRIOR PERIOD ADJ. CREDIT BACK FUEL	0
PRIOR PERIOD ADJ. INJ OR WDR	0
PRIOR PERIOD ADJ. FUEL ON INJ	0
PRIOR PERIOD ADJ. NET	0
CURRENT ACTIVITY BALANCE	146583-
PRIOR MONTH BALANCE	975369-
TRANSFERS	0
MARKET AREA ENDING BALANCE	1121952- ✓

ADJ. DATE	STORAGE CONTRACT	BILLED DTH.	TYPE CHARGE	RATE	AMOUNT
	1SA0072	153,410	INJ	0.012200 ✓	\$1,871.60
	1SA0072	1,121,952	REC	0.029000 ✓	\$32,536.61
	1SA0072	34,000	RED	0.508300 ✓	\$17,282.20
TOTAL STORAGE CHARGE					\$51,690.41 ✓

(-) : BALANCE DUE SHIPPER
(+) : BALANCE DUE WNG.

III. On or about October 23, 2000

MISSOURI GAS ENERGY
SUPPLY / DEMAND SUMMARY
November 2000 - Final
10/23/2000 @ 4:00 PM

November Demand

7,425,361 Monthly Total
247,512 Daily Average
657 HDD's

POP = 618720 Dth of 58 HDD's

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+)/WITHDRAWAL (-)
WGPC FSS STORAGE INJECTION (+)/WITHDRAWAL (-)
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)
PRD Available 208,513

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+)/WITHDRAWAL (-)
SUB-TOTAL PEPL DEMAND

Avg (3887 OS, 3735 WB, 2000 BL, 1000 KC)
Storage With Nominate 4320 Dth/d

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND

SUB-TOTAL KPOC DEMAND

MMBTU PER DAY	FUEL MMBTU PER DAY	TOTAL DAILY	TOTAL MONTHLY
216,902	1,896	80,465	2,413,950
-138,333	0	0	0
0	0	0	0
78,569	1,896	80,465	2,413,950
10,622	137	6,487	194,610
-4,272	0	0	0
6,350	137	6,487	194,610
0	0	0	0
0	0	0	0
19,988	682	20,670	620,100
19,988	682	20,670	620,100
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
104,907	2,715	107,622	3,228,660

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

ASSIGNED TERM SUPPLIES

30
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002
GP 30003
GP 30003

MOND/URS/D	MAX/URS/D	PLAND	PLANMO
0	0	17,808	534,240
0	0	15,000	450,000
0	0	22,500	675,000
0	0	55,308	1,659,240

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

0	0	1,000	30,000
0	0	1,000	30,000

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS
PONY EXPRESS @ CHEYENNE
WILLIAMS
PANHANDLE
KANSAS PIPELINE
PONY EXPRESS @ MIAMI

0	0	25,157	754,710
0	0	19,670	590,100
0	0	0	0
0	0	6,487	194,610
0	0	0	0
0	0	0	0
0	0	51,314	1,539,420

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

0 0 107,622 3,228,660

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

0 0

Delivery To Kansas Gas Service @ WNG Point 24280, Topeka, 25,000 Dth/Mo.

833 25,000

Needs New Capacity (Includes Pipeline Flow)	
Amoco	17,808
Oxy	15,000
Duke	25,157
	0
	0
	0
	0
Total Supply	57,965
Total Remaining	0

WNG PEAK DAY REQUIREMENT (Net of Each)	
WNG FULL TRANSPORT	737,626
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-78,569
	0
	0
	0
	0
PEAK DAY NEEDS	165,244

Contract	017073	Zone	ELD
Rate Schedule	FS	Market Fuel %	0.00
MSO (Dth)	1,471,800	Injection Fuel %	0
MDIA (Dth)	15,000	Withdrawal Fuel %	0.00
MDWO (Dth)	20,000	10/31 Balance	1,051,108

Month	Day	Balance	Month	Day	Balance
November	150,166	5,006	900,942	46,205	1,540
December	230,255	7,428	670,687	429,365	13,850
January	240,266	7,751	430,421	207,359	6,689
February	230,255	8,223	200,166	198,744	7,098
March	150,166	4,844	50,000	129,611	4,181
					39,824

Note: Above Volumes are Inclusive of Fuel

Withdrawal Month	End-Of-Month Balance	Percent of MSO	Daily Nomination (Includes all Fuel)	Delivered To Market
November	1,004,903	68.28%	1,540	1,518
December	575,538	39.10%	13,850	13,648
January	368,179	25.02%	6,689	6,591
February	169,435	11.51%	7,098	6,994
March	39,824	2.71%	4,181	4,120

WNG 2000/2001 Winter Withdrawal Schedule - TSS

Missouri Gas Energy

8/2002 14:19

Contract	SA 0014	Zone	Mkt
Rate Schedule	TSS	Market Fuel %	0.00
MSQ (Dth)	15,173,829	Injection Fuel %	0.00
MDIC (Dth)	Variable	Withdrawal Fuel %	0.00
MDWC (Dth)	15,593,505	10/31 Balance	15,593,505

Includes ISS

ORIGINAL PLAN			UPDATED PLAN		
Month	Day	Balance	Month	Day	Balance
November	4,000,000	133,333	5,627,352	187,578	9,966,153
December	2,849,985	91,935	6,218,170	200,586	3,747,983
January	2,849,985	91,935	-36,836	-1,188	3,784,819
February	2,558,612	91,379	2,269,106	81,040	2,515,713
March	2,097,341	67,656	1,645,004	53,065	870,709

Note: Above Volumes are Exclusive of Fuel!

Includes transfer of 1,000,000 Dth from FSS Storage

Withdrawal Month	End-Of-Month Balance	Percent of MSQ
November	9,966,153	65.68%
December	3,747,983	24.70%
January	3,784,819	24.94%
February	2,515,713	16.58%
March	870,709	5.74%

WNG 2000/2001 Winter Withdrawal Schedule - FSS

Missouri Gas Energy

8/2002 14:19

Contract	SA-0072	Zone	MK97
Rate Schedule	FSS	Market Fuel %	0.00
MSQ (Dth)	1,122,000	Injection Fuel %	0.00
MDQ (Dth)	Variable	Withdrawal Fuel %	0
MBWQ (Dth)	34,000	10/31 Balance	1,122,000

ORIGINAL PLAN			UPDATED PLAN		
Month	Day	Balance	Month	Day	Balance
November	0	0	0	0	1,122,000
December	374,000	34,000	80,223	7,293	1,041,777
January	374,000	34,000	0	0	1,041,777
February	374,000	34,000	1,000,000	90,909	41,777
March	0	0	41,777	3,798	0

41,777 Dth transferred to TSS storage at end of March
1 Bcf transferred to TSS storage at end of February

Note: This plan is based on withdrawing the full MDWQ of 34,000 Dth/day for a total of 33 days during the core winter months of December, January, and February. All volumes are exclusive of fuel.

Withdrawal Month	End-Of-Month Balance	Percent of MSQ
November	1,122,000	100.00%
December	1,041,777	92.85%
January	1,041,777	92.85%
February	41,777	3.72%
March	0	0.00%

IV. November 27, 2000

Ken Hubbard

From: David Twichell
To: Brenda Trombetta; Danny Silberman; Ken Hubbard; Stacy Hower; Mark Homestead
Cc: Mike Langston
Subject: RE: December Volumes and Prices
Date: Tuesday, November 28, 2000 3:54PM
Priority: High

<<File Attachment: SD2000DE.XLS>>

Please note following changes under "Duke Term Supplies":

1. Increased Williams from 136,916 Dth/day to 156,916 Dth/day.
2. Decreased Pony Express @ Cheyenne from 52,626 Dth/day to 32,626 Dth/day.

This still leaves the overall supply 20,000 Dth/day short of projected demand but allows us to take advantage of more attractive pricing on Williams. Incremental supply will be added to Pony Express as conditions warrant throughout the month of December 2000. Please discard any previous December SD Summaries marked "Final" and replace with this one.

Mark-

Based on our phone conversation, please verify that volumes and pricing change as follows:

Location	Volume/Day	Price
Transok	10371	PEPL Index plus \$.03
PEPL	8272	PEPL Index plus \$.015
Rockport (Pony)	32626	WNG Index minus \$.065
WNG Echo Spgs	25157	WNG Index minus \$.19
WNG KS/OK87916		WNG Index plus \$.005
WNG KS/OK10000		Fixed Price of \$4.79
WNG KS/OK10000		Fixed Price of \$4.72
WNG KS/OK49000		WNG Index minus \$.05

These changes generate an additional 19,341 Dth/day of Pony Express capacity that will be released to Duke at \$.035/dth. Any incremental supply added during December will move on Pony and capacity will be recalled as needed. Please call if you have any questions.

Thanks,

D. Twichell

From: mrhomestead@duke-energy.com
To: david.twichell@southernunionco.com
Cc: mike.langston@southernunionco.com
Subject: December Volumes and Prices
Date: Monday, November 27, 2000 12:22PM

Based upon all of our conversations and individual transactions, below is a complete list of locations, volumes and prices for gas Duke will be supplying for December. Please let me know if you disagree with any of this data. Thanks.

Location	Volume/Day	Price
Transok	10371	PEPL Index plus \$.03
PEPL	8272	PEPL Index plus \$.015
Rockport (Pony)	52626	WNG Index minus \$.065
WNG Echo Springs	25157	WNG Index minus \$.19
WNG KS/OK	87916	WNG Index plus \$.005
WNG KS/OK	10000	Fixed Price of \$4.79
WNG KS/OK	10000	Fixed Price of \$4.72
WNG KS/OK	29000	WNG Index minus \$.05

In addition MGE will be releasing to Duke 48,143 MMBtu/d of Pony capacity at \$.035/dth

Based upon all of our conversations and individual transactions, below is a complete list of locations, volumes and prices for gas Duke will be supplying for December. Please let me know if you disagree with any of this data. Thanks.

Location	Volume/Day	Price
Transok	10371	PEPL Index plus \$.03
PEPL	8272	PEPL Index plus \$.015
Rockport (Pony)	52626	WNG Index minus \$.065
WNG Echo Springs	25157	WNG Index minus \$.19
WNG KS/OK	87916	WNG Index plus \$.005
WNG KS/OK	10000	Fixed Price of \$4.79
WNG KS/OK	10000	Fixed Price of \$4.72
WNG KS/OK	29000	WNG Index minus \$.05

In addition MGE will be releasing to Duke 48,143 MMBtu/d of Pony capacity at \$.035/dth

MISSOURI GAS ENERGY

SUPPLY / DEMAND SUMMARY

December 2000 - Final

11/28/2000 @ 3:20 PM

December Demand

12,400,465 Monthly Total
400,015 Daily Average
1073 HDD's

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)

WGPC FSS STORAGE INJECTION (+) / WITHDRAWAL (-)

SUB-TOTAL WGPC DEMAND

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)

SUB-TOTAL PEPL DEMAND

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

PXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

KPC CUSTOMER DEMAND

SUB-TOTAL KPC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

ASSIGNED TERM SUPPLIES

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS

OXY USA, INC - T/S @ ECHO SPRINGS

OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS

PONY EXPRESS @ CHEYENNE

WILLIAMS

PANHANDLE

KANSAS PIPELINE

PONY EXPRESS @ MIAMI

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

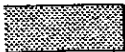
806

Echo - New Capacity (Includes Production Fuel)	
Amoco	17,808
Oxy	15,000
Duke	25,157
	0
	0
	0
	0
Total Supply	57,965
Total Remaining	0

WNG PEAK DAY REQUIREMENT (Net of Fuel)	
WNG FULL TRANSPORT	737,626
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-237,381
	0
	0
	0
PEAK DAY NEEDS	5,432

TDP = 195554 Dth at 100%		
MMBTU PER DAY	FUEL MMBTU PER DAY	TOTAL DAILY
323,723	5,593	237,381
-91,935	0	0
0	0	0
231,788	5,593	237,381
14,436	175	8,272
-6,339	0	0
8,097	175	8,272
0	0	0
0	0	0
51,856	1,770	53,626
51,856	1,770	53,626
0	0	0
0	0	0
10,000	371	10,371
10,000	371	10,371
301,741	7,909	309,650

31 REASON	MINIMUMS/D	MAXIMUMS/D	PLAN/D
	0	0	17,808
	0	0	15,000
	0	0	22,500
	0	0	55,308
	0	0	1,000
	0	0	1,000
	0	0	25,157
	0	0	32,626
	0	0	156,916
	0	0	8,272
	0	0	10,371
	0	0	0
	0	0	233,342
	0	0	289,650
	0	0	-20,000



**TOTAL
MONTHLY**

7,358,811

0

0

7,358,811

256,432

0

256,432

0

0

1,662,406

1,662,406

0

0

321,501

321,501

9,599,150

PLAN/MO

552,048

465,000

697,500

1,714,548

31,000

31,000

779,867

1,011,406

4,864,396

256,432

321,501

0

7,233,602

8,979,150

-620,000

25,000

Ken Hubbard

From: David Twichell
To: Brenda Trombetta; Danny Silberman; Ken Hubbard; Stacy Hower; Mark Homestead
Subject: MGE December 2000 Business
Date: Monday, November 27, 2000 10:43AM
Priority: High

<<File Attachment: SD2000DE.XLS>>

Moved 29,000 Dth/day from PXP to Williams per verbal agreement with Mark Homestead at Duke. Overall, we are still leaving Williams supply 20,000 short for FOM nominations. Please discard all previous December SD Summaries that were marked "Final" and replace with this one.

Danny - You will be receiving the Confirmation Notices for December transactions, please share with Ken.

Brenda/Stacy - Need to discuss nomination strategy Wednesday morning.

Thanks,

D.T.

MISSOURI GAS ENERGY

SUPPLY / DEMAND SUMMARY

December 2000 - Final

11/27/2000 @ 10:30 AM

December Demand

12,400,465 Monthly Total
400,015 Daily Average
1073 HDD's

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)

WGPC FSS STORAGE INJECTION (+) / WITHDRAWAL (-)

SUB-TOTAL WGPC DEMAND

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)

SUB-TOTAL PEPL DEMAND

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

PXP CUSTOMER DEMAND

SUB-TOTAL PXP DEMAND

PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

KPC CUSTOMER DEMAND

SUB-TOTAL KPC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

Storage With
PRD Available

Nominate 0 (Zero)
243,813

Avg (6036 OS, 2400 WB, 5000 BL, 1000 KC)
Storage With

Nominate 6410 Dth/d

Delivered 107th & Elm

Delivered 107th & Elm

Delivered WGPC KC Meters

PDP = 735,534 Dth/d @ 80 HDD's

MMBTU PER DAY	FUEL MMBTU PER DAY	TOTAL DAILY
323,723	5,593	237,381
-91,935	0	0
0	0	0
231,788	5,593	237,381
14,436	175	8,272
-5,339	0	0
8,097	175	8,272
0	0	0
0	0	0
51,856	1,770	53,626
51,856	1,770	53,626
0	0	0
0	0	0
10,000	371	10,371
10,000	371	10,371
301,741	7,909	309,650

ASSIGNED TERM SUPPLIES

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS

OXY USA, INC - T/S @ ECHO SPRINGS

OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002

GP 30003

GP 30003

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS

PONY EXPRESS @ CHEYENNE

WILLIAMS

PANHANDLE

KANSAS PIPELINE

PONY EXPRESS @ MIAMI

SUB-TOTAL DUKE TERM SUPPLIES

31
REASON

MINIMUMS/D	MAXIMUMS/D	PLAN/D
0	0	17,808
0	0	15,000
0	0	22,500
0	0	55,308
0	0	1,000
0	0	1,000
0	0	25,157
0	0	52,626
0	0	136,916
0	0	8,272
0	0	10,371
0	0	0
0	0	233,342
0	0	289,650
		-20,000

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

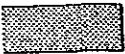
Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

806

Echo - New Capacity (includes Production Fuel)	
Amoco	17,808
Oxy	15,000
Duke	25,157
	0
	0
	0
	0
Total Supply	57,965
Total Remaining	0

WNG PEAK DAY REQUIREMENT (MMBtu of Fuel)	
WNG FULL TRANSPORT	737,626
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-217,381
	0
	0
	0
PEAK DAY NEEDS	26,432



TOTAL
MONTHLY

7,358,811

0

0

7,358,811

256,432

0

256,432

0

0

1,662,406

1,662,406

0

0

321,501

321,501

9,599,150

PLAN/NO

552,048

465,000

697,500

1,714,548

31,000

31,000

779,867

1,631,406

4,244,396

256,432

321,501

0

7,233,602

8,979,150

-620,000

25,000

Ken Hubbard

From: David Twichell
To: Stacy Hower
Cc: Brenda Trombetta; Danny Silberman; Ken Hubbard
Subject: KPC December Business
Date: Tuesday, November 21, 2000 4:17PM

The KPC numbers on the Supply/Demand Summary you have will remain the same (no changes due to Duke moving supplies). Nominate them on Wednesday as you planned.

With regard to switching volumes from PXP to Williams, we have offered to move 29,000 Dth/day, but Duke wants to wait until Monday, November 27th to pull the trigger (gives them time to evaluate the market between now and then). Since you will be out, I will communicate the decision to Brenda, update the SD Summary, redistribute, and y'all can address it as part of the FOM noms after you return.

My understanding is that you may/may not be in Tuesday (let me know as early as possible), but that you will definitely be back on Wednesday. Is this correct?

Thanks,

D.T.

David Twichell

From: mrhomestead@duke-energy.com
To: mike.langston@southernunionco.com
Cc: david.twichell@southernunionco.com
Subject: December Volume Proposal
Date: Tuesday, November 21, 2000 12:00PM

<<File Attachment: DEC00ECONOMICS.XLS>>

In reference to our phone conversation this morning, I would like to propose a reduction in supply volumes at Rockport by up to 53,000/day for the month of December and to supply this volume as incremental supply on WNG, PEPL and Transok/KPL. As an incentive for making this change, I would propose the following prices for the incremental supply:

WNG - Williams Index minus \$.05
PEPL - Williams Index minus \$.04
Transok - Williams Index minus \$.025

In each case this would amount to a \$.055 reduction in gas cost on each pipeline at the supply point. Attached is a spreadsheet which shows the current supply point prices and corresponding city gate prices after adding transport variable costs (fuel and commodity), as well as the same prices with the proposed discount taken into affect. Please keep in mind that the Nymex and basis numbers I used in the spreadsheet are moving targets and the numbers used are representative of what the market was at the time I completed the spreadsheet. Please call me with any questions. Thanks.

(See attached file: Dec00Economics.xls)

David Twichell

From: mrlhomestead@duke-energy.com
To: mike.langston@southernunionco.com
Cc: david.twichell@southernunionco.com
Subject: December Volume Proposal
Date: Tuesday, November 21, 2000 12:00PM

<<File Attachment: DEC00ECONOMICS.XLS>>

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(See attached file: Dec00Economics.xls)

December MGE Economics

Inputs

Rockies Basis	\$	(0.1500)	
PEPL/WNG Basis	\$	(0.1150)	
Poney Fuel		0.033	0.033
Poney Commodity		0.0298	\$ 0.0226
WNG Fuel		0.023562	0.0237
WNG Commodity		0.0279	\$ 0.0287
Transok/KPL Fuel		0.035805	0.0361
Transok/KPL Commodity		0.0625	\$ 0.0625
PEPL Fuel		0.0211	0.0123
PEPL Commodity		0.0370	\$ 0.0172
NYMEX	\$	6.4300	

Current Pricing and Costs

MGE City Gate Price

WNG Supply	\$	6.5004	=Nymex + PEPL Basis + \$.005 / 1-fuel + commodity(aca/gr)
Rockport Supply	\$	6.4931	=Nymex + PEPL Basis - \$.065 / 1-fuel + commodity(aca/gr)
Transok Supply	\$	6.6431	=Nymex + PEPL Basis + \$.03 / 1-fuel + commodity(aca/gr)
PEPL Supply	\$	6.5034	=Nymex + PEPL Basis + \$.015 / 1-fuel + commodity(aca/gr)

MGE Supply Price

WNG	\$	6.3200	=Nymex + PEPL basis + .005
Rockport	\$	6.2500	=Nymex + PEPL basis - .065
Transok	\$	6.3450	=Nymex + PEPL basis + .03
PEPL	\$	6.3300	=Nymex + PEPL basis + .015

Proposal For Incremental Volumes

MGE City Gate Price

WNG Supply	\$	6.4441	=Nymex + PEPL Basis - \$.05 / 1-fuel + commodity(aca/gr)
Transok Supply	\$	6.5861	=Nymex + PEPL Basis - \$.025 / 1-fuel + commodity(aca/gr)
PEPL Supply	\$	6.4473	=Nymex + PEPL Basis - \$.04 / 1-fuel + commodity(aca/gr)

MGE Supply Price

WNG	\$	6.2650	=Nymex + PEPL basis - \$.05
Transok	\$	6.2900	=Nymex + PEPL basis - \$.025
PEPL	\$	6.2750	=Nymex + PEPL basis - \$.04

NYMEX	PEPL/WNG BASIS	COG
\$6.4300	(\$0.1150)	\$6.3150

		COG	Transport Commodity	ACA Commodity	GRI Commodity	Total Commodity	Fuel Percent	Fuel Cost	City Gate Price
Williams	WNG + \$.005	\$6.3200	\$0.0185	\$0.0022	\$0.0072	\$0.0279	2.3562%	\$0.1525	\$6.5004
Pony	WNG - \$.065	\$6.2500	\$0.0204	\$0.0022	\$0.0072	\$0.0298	3.3000%	\$0.2133	\$6.4931
KPC	PEPL + \$.03	\$6.3450	\$0.0625	\$0.0000	\$0.0000	\$0.0625	3.5805%	\$0.2356	\$6.6431
PEPL	PEPL + \$.015	\$6.3300	\$0.0276	\$0.0022	\$0.0072	\$0.0370	2.1100%	\$0.1364	\$6.5034

**V. Expected Storage Withdrawal
for
November, as of November 27**

Williams Natural Gas Storage Analysis
November 2000 Estimates
Based on 9AM to 9AM Gas Day
All Volumes in Dth

Final TSS Storage Balance 10/31/2000

15,093,505

11/27 1:10 PM

30 Nov-00	Forecast HDD's	Actual HDD's	Forecast Demand	KN @ 107th & Elm	KN @ Glavin (WNG) After Fuel	Served KPOC	Served PEPL	Off System Sales	WNG Obligation	WNG Flowing	TSS Daily With(-)/In(+)	TSS Average With(-)/In(+)	TSS Storage Balance	TSS % OF MSQ	FSS Daily With(-)/In(+)	FSS Storage Balance	PEPL/WS Storage Balance	Heat/HDD	Cumulative Heat/HDD
											459,813				34,000				
1		7	63,404	19,224	0	0	7,429	0	36,751	77,763	39,187	39,187	15,132,692	99.73%	0	1,121,952	1,049,668	2,257	2,057
2		12	97,654	19,407	0	0	7,448	0	70,799	77,763	6,654	22,921	15,139,346	99.77%	0	1,121,952	1,049,668	4,171	3,266
3		18	146,342	20,445	0	0	7,402	0	118,495	77,763	-40,732	1,703	15,098,614	99.50%	0	1,121,952	1,049,668	5,485	4,248
4		12	117,810	20,437	0	0	7,548	0	89,825	77,763	-12,062	-1,738	15,086,552	99.42%	0	1,121,952	1,049,668	5,850	4,592
5		8	98,348	20,487	0	0	7,594	0	70,267	77,763	7,163	42	15,093,715	99.47%	0	1,121,952	1,045,348	6,343	4,809
6		19	197,729	20,468	0	0	3,226	0	174,035	77,763	-96,272	-16,010	14,997,443	98.84%	0	1,121,952	1,045,348	7,901	5,532
7		31	277,954	20,467	0	0	7,389	0	250,098	77,763	-172,335	-38,342	14,825,108	97.70%	0	1,121,952	1,041,028	7,431	6,024
8		36	344,671	20,498	0	0	7,103	0	317,070	77,763	-239,307	-63,463	14,585,801	96.12%	0	1,121,952	1,038,708	8,252	6,535
9		39	376,819	20,466	0	0	7,271	0	349,082	77,763	-271,319	-86,558	14,314,482	94.34%	0	1,121,952	1,036,388	8,441	6,900
10		36	365,533	20,463	0	0	7,959	0	337,111	77,763	-259,348	-103,837	14,055,134	92.63%	0	1,121,952	1,035,227	8,831	7,186
11		30	311,783	20,480	0	0	7,461	0	283,842	77,763	-206,079	-113,132	13,849,055	91.27%	0	1,121,952	1,035,227	8,806	7,358
12		36	337,163	20,477	0	0	7,208	0	309,478	77,758	-231,720	-123,014	13,617,335	89.74%	0	1,121,952	1,035,227	8,043	7,420
13		36	364,176	20,492	0	0	7,474	0	336,210	77,763	-241,545	-94,971	13,858,888	91.33%	0	1,121,952	1,035,227	8,794	7,552
14		31	329,866	20,481	0	0	7,233	0	302,152	77,763	-224,389	-104,215	13,634,499	89.86%	0	1,121,952	1,035,227	9,105	7,671
15		24	273,949	20,552	0	0	8,264	0	245,133	77,763	-167,370	-108,425	13,467,129	88.75%	0	1,121,952	1,035,227	9,431	7,771
16		41	401,834	20,464	0	0	10,134	0	371,236	77,763	-293,473	-119,991	13,173,656	86.82%	0	1,121,952	1,035,227	8,640	7,837
17		38	372,521	20,549	0	0	8,444	0	343,528	77,763	-265,765	-128,566	12,907,891	85.07%	0	1,121,952	1,030,907	8,550	7,880
18		31	322,209	20,478	0	0	8,544	0	293,187	77,763	-215,424	-133,391	12,692,467	83.65%	0	1,121,952	1,026,587	8,858	7,930
19		31	339,217	20,496	0	0	7,946	0	310,775	77,763	-233,012	-138,634	12,459,455	82.11%	0	1,121,952	1,022,267	9,407	8,006
20		43	445,712	23,567	0	0	10,063	0	412,082	77,763	-334,319	-148,418	12,125,136	79.91%	0	1,121,952	1,020,107	9,258	8,087
21		31	342,523	23,620	0	0	8,314	0	310,589	77,763	-232,826	-152,438	11,892,310	78.37%	0	1,121,952	1,020,107	9,513	8,152
22		31	293,889	22,074	0	0	8,552	0	263,263	77,763	-185,500	-153,941	11,706,810	77.15%	0	1,121,952	1,020,107	7,945	8,131
23		26	216,693	17,017	0	0	8,042	0	191,634	77,763	-113,871	-152,198	11,592,940	76.40%	0	1,121,952	1,019,107	6,503	8,058
24		25	230,577	17,035	0	0	7,865	0	205,677	77,763	-127,914	-151,187	11,465,026	75.56%	0	1,121,952	1,018,107	7,319	8,023
25		26	264,659	17,106	0	0	8,565	0	238,988	77,763	-161,225	-151,588	11,303,801	74.50%	0	1,121,952	1,017,107	8,348	8,028
26		30	317,052	18,110	0	0	9,000	0	289,942	77,763	-212,179	-153,919	11,091,622	73.10%	0	1,121,952	1,016,107	8,982	8,059
27	25		210,105	19,988	0	0	9,000	0	181,117	77,763	-103,354	-152,046	10,988,268	72.42%	0	1,121,952	1,015,107	6,500	
28	28		243,605	19,988	0	0	9,000	0	214,617	77,763	-136,854	-151,503	10,851,414	71.51%	0	1,121,952	1,014,107	7,000	
29	30		272,605	19,988	0	0	9,000	0	243,617	77,763	-165,854	-151,998	10,685,560	70.42%	0	1,121,952	1,011,607	7,500	
30	21		205,105	19,988	0	0	9,000	0	176,117	77,763	-98,354	-150,210	10,587,206	69.77%	0	1,121,952	1,009,107	7,500	
Totals		832	8,181,507	605,312	0	0	239,478	0	7,336,718	2,332,887	-4,506,299		10,587,206		0				

Base/Day 47605

Normal Average HDD's/Day 21.9000

Original EOM Target 11,093,505

Actual HDD's/Day 27.7333

Normal HDD's for November 657

ACCUWEATHER FORECAST EXCLUSIVELY FOR SOUTHERN UNION GAS

DAY: MONDAY
E: 27-NOV-2000
Z: 08:00

	27-NOV		28-NOV		29-NOV		30-NOV		01-DEC		02-DEC		03-DEC	
	HI	LO	HI	LO	HI	LO	HI	LO	HI	LO	HI	LO	HI	LO
El Paso	68	34	66	34	62	36	67	38	68	37	60	34	63	33
Midland	66	40	68	30	65	37	71	41	70	40	65	36	62	36
Amarillo	62	32	57	25	54	31	63	34	63	32	55	30	57	35
Austin/Mabry	71	51	71	49	61	42	64	48	70	53	70	53	64	43
Austin/Bergs	72	52	72	50	62	43	65	49	71	54	71	54	65	43
Galveston	70	58	70	54	60	47	60	53	69	60	69	57	66	52
Beaumont	71	52	71	50	61	42	61	49	70	56	70	54	67	45
Brownsville	78	62	80	63	68	56	70	56	76	58	80	60	75	49
Kansas City	50	32	50	30	40	27	48	33	51	31	44	26	44	37
St. Joseph	53	31	45	23	43	26	55	32	52	29	46	25	44	35
Joplin Mo	53	37	55	28	47	29	58	36	58	34	53	33	50	37
Daytona Bch	70	44	72	50	72	46	62	40	64	44	68	48	68	47
Abilene	65	45	68	35	61	42	67	48	67	46	63	42	62	40
San Antonio	74	54	73	48	62	43	65	50	70	54	70	49	67	42
Wilkes Barre	48	36	46	32	44	32	36	22	36	24	34	20	35	16

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DSH
27-NOV-2000 03

H007 24 30 25

VI. Through December 10th

Williams Natural Gas Storage Analysis
December 2000 Estimates
Based on 9AM to 9AM Gas Day
All Volumes in Dth

Estimated TSS Storage Balance 11/30/2000	10,314,343
--	------------

12/11 12:40 PM

14 Dec-00	Forecast HDD's	Actual HDD's	Forecast Demand	KN @ 107th & Elm	KN @ Glavin (WNG) After Fuel	Served KPOC	Served PEPL	Off System Sales	WNG Obligation	WNG Flowing	TSS Daily With(-)/In/(+)	TSS Average With(-)/In/(+)	TSS Storage Balance	TSS % OF MSQ	FSS Daily With(-)/In/(+)	FSS Storage Balance	PEPL/WS Storage Balance	Heat/HDD	Cumulative Heat/HDD
											38,390								
1		33	323,632	32,835	0	10,007	12,431	0	268,359	230,981	-37,379	-37,379	10,276,964	66.93%	0	1,121,952	998,540	8,364	8,364
2		39	363,893	32,923	0	10,022	12,481	0	308,467	230,981	-77,486	-57,432	10,199,478	66.42%	0	1,121,952	992,131	8,110	8,227
3		33	332,394	32,673	0	10,049	12,280	0	277,392	230,981	-46,411	-53,759	10,153,067	66.12%	0	1,121,952	985,722	8,630	8,353
4		31	310,857	31,706	0	9,976	13,193	0	255,982	230,981	-25,001	-46,569	10,128,066	65.96%	0	1,121,952	979,313	8,492	8,385
5		41	392,136	31,812	0	10,007	14,703	0	335,614	230,981	-104,634	-58,182	10,023,432	65.27%	0	1,121,952	972,903	8,403	8,389
6		34	359,933	32,185	0	10,025	15,576	0	302,147	230,981	-71,167	-60,346	9,952,263	64.81%	0	1,121,952	966,493	9,186	8,518
7		20	227,764	31,616	0	10,369	16,006	0	169,773	230,981	58,484	-43,370	10,010,750	65.19%	0	1,121,952	960,083	9,008	8,560
8		31	311,590	31,597	0	10,149	16,215	0	253,629	230,981	-22,648	-40,780	9,988,102	65.04%	0	1,121,952	953,673	8,516	8,555
9		26	205,710	31,639	0	11,116	14,816	0	148,139	230,981	79,155	-27,454	10,067,257	65.56%	0	1,121,952	947,263	6,081	8,331
10		46	424,180	31,576	0	10,944	14,436	0	367,224	230,981	-136,243	-38,333	9,931,014	64.67%	0	1,121,952	940,853	8,186	8,311
11	59		696,605	32,516	0	9,997	25,844	0	628,248	230,981	-397,267	-70,963	9,533,746	62.09%	0	1,121,952	958,853	11,000	
12	55		652,605	32,516	0	9,997	25,844	0	584,248	230,981	-353,267	-94,489	9,180,479	59.78%	0	1,121,952	976,853	11,000	
13	51		583,105	32,516	0	9,997	25,844	0	514,748	230,981	-283,767	-109,049	8,896,712	57.94%	0	1,121,952	994,853	10,500	
14	49		562,105	32,516	0	9,997	25,844	0	493,748	230,981	-262,767	-120,028	8,633,945	56.23%	0	1,121,952	1,012,853	10,500	
15	35		380,105	32,516	0	9,997	25,844	0	311,748	230,981	-80,767	-117,411	8,553,177	55.70%	0	1,121,952	1,030,853	9,500	
16	35		380,105	32,516	0	9,997	25,844	0	311,748	230,981	-80,767	-115,121	8,472,410	55.17%	0	1,121,952	1,048,853	9,500	
17	39		418,105	32,516	0	9,997	25,844	0	349,748	230,981	-118,767	-115,335	8,353,643	54.40%	0	1,121,952	1,066,853	9,500	
18	36		389,605	32,516	0	9,997	25,844	0	321,248	230,981	-90,267	-113,943	8,263,376	53.81%	0	1,121,952	1,084,853	9,500	
19	33		361,105	32,516	0	9,997	25,844	0	292,748	230,981	-61,767	-111,197	8,201,608	53.41%	0	1,121,952	1,102,853	9,500	
20	35		380,105	32,516	0	9,997	25,844	0	311,748	230,981	-80,767	-109,675	8,120,841	52.88%	0	1,121,952	1,120,853	9,500	
21	38		408,605	32,516	0	9,997	25,844	0	340,248	230,981	-109,267	-109,656	8,011,574	52.17%	0	1,121,952	1,138,853	9,500	
22			N/A	32,516	0	9,997	25,844	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
23			N/A	32,516	0	9,997	25,844	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
24			N/A	32,516	0	9,997	25,844	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
25			N/A	32,516	0	9,997	25,844	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
26			N/A	32,516	0	9,997	25,844	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
27			N/A	32,516	0	9,997	25,844	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
28			N/A	32,516	0	9,997	25,844	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
29			N/A	32,516	0	9,997	25,844	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
30			N/A	32,516	0	9,997	25,844	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
31			N/A	32,516	0	9,997	25,844	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
Totals		799	8,464,245	1,003,405	0	312,593	684,861	0	7,146,955	7,160,404	-2,302,769		8,011,574		0				

^ Base/Day 47605

Normal Average HDD's/Day 34.6129

EOM Target 7,771,317

Actual HDD's/Day 57.0714

Normal HDD's for November 1073

14 Dec-00	Forecast HDD's	Actual HDD's	Forecast Demand	KN @ 107th & Elm	KN @ Glavin (WNG) After Fuel	Served KPOC	Served PEPL	Off System Sales	WNG Obligation	WNG Flowing	TSS Daily With(-)/In(+)	TSS Average With(-)/In(+)	TSS Storage Balance	TSS % OF MSQ	FSS Daily With(-)/In(+)	FSS Storage Balance	PEPL/WS Storage Balance	Heat/HDD	Cumulative Heat/HDD
											38,390								
1		33	323,632	32,835	0	10,007	12,431	0	268,359	230,981	-37,379	-37,379	10,276,964	66.93%	0	1,121,952	998,540	8,364	8,364
2		39	363,893	32,923	0	10,022	12,481	0	308,467	230,981	-77,486	-57,432	10,199,478	66.42%	0	1,121,952	992,131	8,110	8,227
3		33	332,394	32,673	0	10,049	12,280	0	277,392	230,981	-46,411	-53,759	10,153,067	66.12%	0	1,121,952	985,722	8,630	8,353
4		31	310,857	31,706	0	9,976	13,193	0	255,982	230,981	-25,001	-46,569	10,128,066	65.96%	0	1,121,952	979,313	8,492	8,385
5		41	392,136	31,812	0	10,007	14,703	0	335,614	230,981	-104,634	-58,182	10,023,432	65.27%	0	1,121,952	972,903	8,403	8,389
6		34	359,933	32,185	0	10,025	15,576	0	302,147	230,981	-71,167	-60,346	9,952,265	64.81%	0	1,121,952	966,493	9,186	8,518
7		20	229,007	31,616	0	10,024	14,436	0	172,931	230,981	55,466	-43,802	10,007,732	65.17%	0	1,121,952	960,083	9,070	8,565
8	37		399,105	32,516	0	9,997	14,436	0	342,156	230,981	-111,175	-52,223	9,896,557	64.45%	0	1,121,952	953,673	9,500	
9	31		342,105	32,516	0	9,997	14,436	0	285,156	230,981	-54,175	-52,440	9,842,381	64.10%	0	1,121,952	947,263	9,500	
10	30		332,605	32,516	0	9,997	14,436	0	275,656	230,981	-44,675	-51,664	9,797,706	63.80%	0	1,121,952	940,853	9,300	
11	31		532,105	32,516	0	9,997	14,436	0	475,156	230,981	-244,175	-69,165	9,553,531	62.21%	0	1,121,952	934,443	9,500	
12	32		541,605	32,516	0	9,997	14,436	0	484,656	230,981	-253,675	-84,541	9,299,855	60.56%	0	1,121,952	928,033	9,500	
13	48		503,605	32,516	0	9,997	14,436	0	446,656	230,981	-215,675	-94,628	9,084,180	59.16%	0	1,121,952	921,623	9,500	
14	46		484,605	32,516	0	9,997	14,436	0	427,656	230,981	-196,675	-101,917	8,887,505	57.88%	0	1,121,952	915,213	9,500	
15	31		532,105	32,516	0	9,997	14,436	0	475,156	230,981	-244,175	-111,401	8,643,330	56.29%	0	1,121,952	908,803	9,500	
16	44		465,605	32,516	0	9,997	14,436	0	408,656	230,981	-177,675	-115,543	8,465,654	55.13%	0	1,121,952	902,393	9,500	
17	42		446,605	32,516	0	9,997	14,436	0	389,656	230,981	-158,675	-118,080	8,306,979	54.10%	0	1,121,952	895,983	9,500	
18			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
19			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
20			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
21			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
22			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
23			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
24			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
25			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
26			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
27			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
28			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
29			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
30			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
31			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
Totals		663	6,891,903	1,006,142	0	310,029	441,564	0	5,931,454	7,160,404	-2,007,364		8,306,979		0				

Base/Day 47605

Normal Average HDD's/Day 34.6129

EOM Target 7,771,317

Actual HDD's/Day 47.3571

Normal HDD's for November 1073

14 Dec-00	Forecast HDD's	Actual HDD's	Forecast Demand	KN @ 107th & Elm	KN @ Glavin (WNG) After Fuel	Served KPOC	Served PEPL	Off System Sales	WNG Obligation	WNG Flowing	TSS Daily With(-)/In(+)	TSS Average With(-)/In(+)	TSS Storage Balance	TSS % OF MSQ	FSS Daily With(-)/In(+)	FSS Storage Balance	PEPL/WS Storage Balance	Heat/HDD	Cumulative Heat/HDD
											38,390								
1		33	323,632	32,835	0	10,007	12,431	0	268,359	230,981	-37,379	-37,379	10,276,964	66.93%	0	1,121,952	998,540	8,364	8,364
2		39	363,893	32,923	0	10,022	12,481	0	308,467	230,981	-77,486	-57,432	10,199,478	66.42%	0	1,121,952	992,131	8,110	8,227
3		33	332,394	32,673	0	10,049	12,280	0	277,392	230,981	-46,411	-53,759	10,153,067	66.12%	0	1,121,952	985,722	8,630	8,353
4		31	310,857	31,706	0	9,976	13,193	0	255,982	230,981	-25,001	-46,569	10,128,066	65.96%	0	1,121,952	979,313	8,492	8,385
5		41	399,301	31,812	0	10,007	14,703	0	342,779	230,981	-111,799	-59,615	10,016,267	65.23%	0	1,121,952	972,903	8,578	8,430
6		34	362,476	31,812	0	10,025	14,436	0	306,203	230,981	-75,222	-62,216	9,941,045	64.74%	0	1,121,952	966,493	9,261	8,564
7	26		294,605	32,516	0	9,997	14,436	0	237,656	230,981	-6,675	-54,282	9,934,370	64.69%	0	1,121,952	960,083	9,500	
8	37		399,105	32,516	0	9,997	14,436	0	342,156	230,981	-111,175	-61,394	9,823,194	63.97%	0	1,121,952	953,673	9,500	
9	30		332,605	32,516	0	9,997	14,436	0	275,656	230,981	-44,675	-59,536	9,778,519	63.68%	0	1,121,952	947,263	9,500	
10	26		294,605	32,516	0	9,997	14,436	0	237,656	230,981	-6,675	-54,250	9,771,844	63.64%	0	1,121,952	940,853	9,500	
11	37		399,105	32,516	0	9,997	14,436	0	342,156	230,981	-111,175	-59,425	9,660,669	62.91%	0	1,121,952	934,443	9,500	
12	53		551,105	32,516	0	9,997	14,436	0	494,156	230,981	-263,175	-76,404	9,397,493	61.20%	0	1,121,952	928,033	9,500	
13	47		494,105	32,516	0	9,997	14,436	0	437,156	230,981	-206,175	-86,387	9,191,318	59.86%	0	1,121,952	921,623	9,500	
14	49		513,105	32,516	0	9,997	14,436	0	456,156	230,981	-225,175	-96,300	8,966,143	58.39%	0	1,121,952	915,213	9,500	
15	49		513,105	32,516	0	9,997	14,436	0	456,156	230,981	-225,175	-104,892	8,740,967	56.92%	0	1,121,952	908,803	9,500	
16	43		456,105	32,516	0	9,997	14,436	0	399,156	230,981	-168,175	-108,847	8,572,792	55.83%	0	1,121,952	902,393	9,500	
17			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
18			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
19			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
20			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
21			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
22			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
23			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
24			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
25			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
26			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
27			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
28			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
29			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
30			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
31			N/A	32,516	0	9,997	14,436	0	N/A	230,981	N/A	N/A	N/A	N/A	0	N/A	N/A	9,500	
Totals		608	6,340,104	1,006,670	0	310,001	440,424	0	5,437,243	7,160,404	-1,741,551		8,572,792		0				

Base/Day 47605

Normal Average HDD's/Day 34.6129

EOM Target 7,771,317

Actual HDD's/Day 43.4286

Normal HDD's for November 1073

» 2 + 3 > 2

MGE December 2000 Incremental Volumes and Prices

<u>Date</u>	<u>Volume</u>	<u>Price</u>	<u>Cost</u>	<u>Price Calculation</u>	<u>Pipeline</u>
12/11/00	36,505	\$11.2426	\$410,411.11	Duke Cost	KMIGT
12/12/00	4,137	\$11.5147	\$47,636.31	102% of WNG GDD (+Transportation)	KMIGT
12/12/00	19,999	\$11.1129	\$222,246.89	102% of WNG GDD	KMIGT
12/16/00	19,341	\$8.1396	\$157,428.00	102% of WNG GDD	KMIGT
12/17/00	19,341	\$8.1396	\$157,428.00	102% of WNG GDD	KMIGT
12/18/00	19,341	\$8.1396	\$157,428.00	102% of WNG GDD	KMIGT
12/19/00	19,341	\$9.7563	\$188,696.60	102% of WNG GDD	KMIGT
12/20/00	19,341	\$9.4758	\$183,271.45	102% of WNG GDD	KMIGT
12/21/00	19,341	\$10.5519	\$204,084.30	102% of WNG GDD	KMIGT
12/22/00	19,341	\$11.7555	\$227,363.13	102% of WNG GDD	KMIGT
12/23/00	19,341	\$11.6229	\$224,798.51	102% of WNG GDD	KMIGT
12/24/00	19,341	\$11.6229	\$224,798.51	102% of WNG GDD	KMIGT
12/25/00	19,341	\$11.6229	\$224,798.51	102% of WNG GDD	KMIGT
12/26/00	19,341	\$11.6229	\$224,798.51	102% of WNG GDD	KMIGT
12/27/00	19,341	\$10.6386	\$205,761.16	102% of WNG GDD	KMIGT
12/28/00	19,341	\$9.9042	\$191,557.13	102% of WNG GDD	KMIGT
12/29/00	19,341	\$9.5574	\$184,849.67	102% of WNG GDD	KMIGT
12/30/00	19,341	\$9.6798	\$187,217.01	102% of WNG GDD	KMIGT
12/31/00	19,341	\$9.6798	\$187,217.01	102% of WNG GDD	KMIGT
12/11/00	12436	\$10.4300	\$129,707.48	Fixed	PEPL
12/12/00	12436	\$11.1129	\$138,200.02	102% of WNG GDD	PEPL
12/11/00	9000	\$10.4300	\$93,870.00	Fixed	Transok
TOTAL	403,969		\$4,173,567.33		
WACOG	\$10.33				

VII. December 19th and 20th

Ken Hubbard

From: David Twichell
To: Brenda Trombetta; Danny Silberman; Ken Hubbard; Liz Smith; Mark Homestead
Cc: Mike Langston
Subject: January SD Summary
Date: Wednesday, December 20, 2000 5:31PM
Priority: High

<<File Attachment: SD2001JA.XLS>>

To help mitigate strong pulls on storage during November and December, additional flowing gas has been added to Kansas Pipeline and PEPL. The Williams storage number has been adjusted accordingly. Please discard any previous versions and replace with this one.

Mark-

Due to contractual constraints, the net increase on KPC is 23,893 delivered instead of the 25,000 Dth we discussed. The net increase on PEPL is 9,000 Dth. These adjustments, plus fuel, are reflected in the supply to be purchased. Please call if you have any questions.

Thanks,

D. Twichell

MISSOURI GAS ENERGY
SUPPLY / DEMAND SUMMARY
January 2001 - Final

10,150,000
11,440,000
3,400,000
4,159,000
Total
540,000
January Demand

13,893,421 Monthly Total
448,175 Daily Average
1218 HDD's

WGPC CUSTOMER DEMAND
WGPC TSS STORAGE INJECTION (+)/WITHDRAWAL (-)
WGPC FSS STORAGE INJECTION (+)/WITHDRAWAL (-)
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)
PRD Available 243,813

PEPL CUSTOMER DEMAND
PEPL STORAGE INJECTION (+)/WITHDRAWAL (-)
SUB-TOTAL PEPL DEMAND

Avg (7,237 OS, 6,715 WB, 5,000 BL, 10,000 Dodson)
Storage With Nominate 6689 Dth/d

PEPL @ PONY EXPRESS
SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

FXP CUSTOMER DEMAND
SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

FXP @ WGPC GLAVIN
SUB-TOTAL FXP @ WGPC GLAVIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND
SUB-TOTAL KPC DEMAND

FDP - 50R015 Dth or 75 HDD's		
MMBTU PER DAY	FUEL MMBTU PER DAY	TOTAL DAILY
285,358	7,618	243,621
-49,355	0	0
0	0	0
236,003	7,618	243,621
28,952	481	22,818
-6,615	0	0
22,337	481	22,818
0	0	0
0	0	0
70,500	2,406	72,906
70,500	2,406	72,906
19,472	901	20,373
19,472	901	20,373
43,893	1,630	45,523
43,893	1,630	45,523
392,205	13,036	405,241

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

ASSIGNED TERM SUPPLIES

31
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS
OXY USA, INC. - T/S @ ECHO SPRINGS
OXY USA, INC. - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002
GP 30003
GP 30003

SUB-TOTAL ASSIGNED TERM SUPPLIES

MINIMUMS/D	MAXIMUMS/D	PLANS/D
0	0	17,808
0	0	15,000
0	0	22,500
0	0	55,308

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

0	0	1,000
0	0	1,000

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS
PONY EXPRESS @ CHEYENNE
WILLIAMS
PANHANDLE
KANSAS PIPELINE
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

SUB-TOTAL DUKE TERM SUPPLIES

0	0	25,535
0	0	92,279
0	0	162,778
0	0	22,818
0	0	45,523
0	0	0
0	0	348,933

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+)/UNDERSUPPLIED (-)

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

806

Echo: New Capacity (includes Production Fuel)	
Amoco	17,808
Oxy	15,000
Duke	25,535
	0
	0
	0
	0
Total Supply	58,343
Total Remaining	0

WNG PEAK DAY REQUIREMENTS (Net of Fuel)	
WNG FULL TRANSPORT	737,626
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-236,003
	0
	0
	0
PEAK DAY NEEDS	7,810

13,893,421
1,736,000
12,157,421



**TOTAL
MONTHLY**

7,552,251

0

7,552,251

707,358

0

707,358

0

0

2,260,086

2,260,086

631,563

631,563

1,411,213

1,411,213

12,562,471

PLANING

552,048

465,000

697,500

1,714,548

31,000

31,000

791,585

2,860,649

5,046,118

707,358

1,411,213

0

10,816,923

12,562,471

0

25,000

Ken Hubbard

From: David Twichell
To: Brenda Trombetta; Danny Silberman; Ken Hubbard; Liz Smith; Mark Homestead
Cc: Mike Langston
Subject: January SD Summary
Date: Tuesday, December 19, 2000 2:17PM
Priority: High

<<File Attachment: SD2001JA.XLS>>

Attached is the draft SD Summary for January 2001.

Mark-

Please review considering Mike's comments during our teleconference today. Please let me know your thoughts as to how Duke prefers to move this gas by the end of business on Wednesday, December 20th. This will allow me to make changes and distribute a final version prior to the holidays. Please call if you have any questions.

Thanks,

D.. Twichell

MISSOURI GAS ENERGY
SUPPLY / DEMAND SUMMARY
January 2001 - Draft

January Demand

13,893,421 Monthly Total
448,175 Daily Average
1218 HDD's

PDF - 873438 Dth of 75 HDD's

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+)/WITHDRAWAL (-)
WGPC FSS STORAGE INJECTION (+)/WITHDRAWAL (-)
SUB-TOTAL WGPC DEMAND

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+)/WITHDRAWAL (-)
SUB-TOTAL PEPL DEMAND

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

PXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

KPC CUSTOMER DEMAND

SUB-TOTAL KPOC DEMAND

Storage With
PRD Available

Nominate O (Zero)

243,813

Avg (7237 OS, 6715 WB, 5000 BL, 1000 KC)
Storage With

Nominate 6689 Dth

13,337

Delivered 107th & Elm

0

Delivered 107th & Elm

70,500

Delivered WGPC KC Motors

19,472

20,000

20,000

MMBTU PER DAY	FUEL MMBTU PER DAY	TOTAL DAILY
318,251	7,305	233,621
-91,935	0	0
0	0	0
226,316	7,305	233,621
19,952	287	13,624
-5,615	0	0
13,337	287	13,624
0	0	0
0	0	0
70,500	2,406	72,906
70,500	2,406	72,906
19,472	901	20,373
19,472	901	20,373
20,000	743	20,743
20,000	743	20,743
349,625	11,642	361,267

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

ASSIGNED TERM SUPPLIES

31
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002
GP 30003
GP 30003

MINIMUMS/D	MAXIMUMS/D	PLAN/D
0	0	17,808
0	0	15,000
0	0	22,500
0	0	55,308

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

0	0	1,000
0	0	1,000

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS
PONY EXPRESS @ CHEYENNE
WILLIAMS
PANHANDLE
KANSAS PIPELINE
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

0	0	25,535
0	0	92,279
0	0	162,778
0	0	13,624
0	0	20,743
0	0	0
0	0	314,959

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

806

Echo - Now Capacity (Includes Production Fuel)	
Amoco	17,808
Oxy	15,000
Duke	25,535
	0
	0
	0
	0
Total Supply	58,343
Total Remaining	0

WNG PEAK DAY REQUIREMENT (Net of Fuel)	
WNG FULL TRANSPORT	737,625
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-236,003
	0
	0
	0
	0
PEAK DAY NEEDS	7,810

25,000

310,000

11,509,277

9,763,729

0

643,033

422,344

5,046,118

2,860,649

791,585

31,000

31,000

1,714,548

697,500

465,000

552,048

PLANNO

11,199,277

643,033

643,033

631,563

631,563

2,260,086

2,260,086

0

0

0

422,344

422,344

0

7,242,251

7,242,251

0

0

7,242,251

7,242,251

MONTHLY

TOTAL

OURI GAS ENERGY
DEMAND SUMMARY
2001 - Draft

January Demand

13,893,421 Monthly Total
448,175 Daily Average
1218 HDD's

POP = 863438 Out of 74 HDD's

CUSTOMER DEMAND

ISS STORAGE INJECTION (+) / WITHDRAWAL (-)
ISS STORAGE INJECTION (+) / WITHDRAWAL (-)
AL WGPC DEMAND

Storage With Nominate 0 (Zero)
PRO Available 243,813

STOMER DEMAND
STORAGE INJECTION (+) / WITHDRAWAL (-)
AL PEPL DEMAND

Avg (7237 OS, 6715 WB, 5000 BL, 1000 KC)
Storage With Nominate 6689 Dth/d

ONY EXPRESS
AL PEPL @ PONY EXPRESS

Delivered 107th & Elm

STOMER DEMAND
AL PONY DEMAND

Delivered 107th & Elm

IPC GLAVIN
AL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

STOMER DEMAND
AL KPOC DEMAND

MMBTU PER DAY	FUEL MMBTU PER DAY	TOTAL DAILY	TOTAL MONTHLY
318,251	7,305	233,621	7,242,251
-91,935	0	0	0
0	0	0	0
226,316	7,305	233,621	7,242,251
19,952	287	13,624	422,344
-6,615	0	0	0
13,337	287	13,624	422,344
0	0	0	0
0	0	0	0
70,500	2,406	72,906	2,260,086
70,500	2,406	72,906	2,260,086
19,472	901	20,373	631,563
19,472	901	20,373	631,563
20,000	743	20,743	643,033
20,000	743	20,743	643,033
349,625	11,642	361,267	11,199,277

TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

TERM SUPPLIES

REASON

GY TRADING - T/S @ ECHO SPRINGS GP 30002
T/S @ ECHO SPRINGS GP 30003
T/S @ WILLIAMS PRODUCTION POINTS GP 30003

MINIMUMS/D	MAXIMUMS/D	PLAN/D	PLAN/MO
0	0	17,808	552,048
0	0	15,000	465,000
0	0	22,500	697,500
0	0	55,308	1,714,548

ASSIGNED TERM SUPPLIES

IM SUPPLIES

CHEYENNE

0	0	1,000	31,000
0	0	1,000	31,000

ONEOK TERM SUPPLIES

SUPPLIES

HO SPRINGS
S @ CHEYENNE
Includes deliveries to KGS @ WNG Point 24280

0	0	25,535	791,585
0	0	92,279	2,860,649
0	0	152,778	4,736,118
0	0	13,624	422,344
0	0	20,743	643,033
0	0	0	0

NE
S @ MIAMI

LIKE TERM SUPPLIES

0	0	304,959	9,453,729
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ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

0	0	361,267	11,199,277
---	---	---------	------------

LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

0	0
---	---

Gas Service @ WNG Point 24280, Topeka, 25,000 Dth/Mo.

806 25,000

Capacity (includes Production Fluct)	
17,808	
15,000	
25,535	
0	
0	
0	
0	
58,343	
0	

WNG PEAK DAY REQUIREMENT (Net of Elch)	
WNG FULL TRANSPORT	737,626
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-226,316
	0
	0
	0
	0
PEAK DAY NEEDS	17,497

MISSOURI GAS ENERGY
SUPPLY / DEMAND SUMMARY
 January 2001 - Draft

January Demand

13,893,421 Monthly Total
 448,175 Daily Average
 1218 HDD's

POP = 863438 Dth or 74 HDD's

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+)/WITHDRAWAL (-)
 WGPC FSS STORAGE INJECTION (+)/WITHDRAWAL (-)
 SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)
 PRD Available 243,813

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+)/WITHDRAWAL (-)
 SUB-TOTAL PEPL DEMAND

Avg (7237 OS, 6715 WB, 5000 BL, 1000 KC)
 Storage With Nominate 6689 Dth/d

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND

SUB-TOTAL KPC DEMAND

MMBTU PER DAY	FUEL MMBTU PER DAY	TOTAL DAILY	TOTAL MONTHLY
318,251	7,305	233,621	7,242,251
-91,835	0	0	0
0	0	0	0
226,316	7,305	233,621	7,242,251
19,952	287	13,624	422,344
-8,615	0	0	0
13,337	287	13,624	422,344
0	0	0	0
0	0	0	0
70,500	2,406	72,906	2,260,066
70,500	2,406	72,906	2,260,066
19,472	901	20,373	631,563
19,472	901	20,373	631,563
20,000	743	20,743	643,033
20,000	743	20,743	643,033
349,625	11,642	361,267	11,199,277

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

ASSIGNED TERM SUPPLIES

31
 REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS
 OXY USA, INC - T/S @ ECHO SPRINGS
 OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002
 GP 30003
 GP 30003

MINIMUMS/D	MAXIMUMS/D	PLAN/D	PLAN/MO
0	0	17,808	552,048
0	0	15,000	465,000
0	0	22,500	697,500
0	0	55,308	1,714,548

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

0	0	1,000	31,000
0	0	1,000	31,000

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS
 PONY EXPRESS @ CHEYENNE
 WILLIAMS
 PANHANDLE
 KANSAS PIPELINE
 PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

0	0	25,535	791,585
0	0	92,279	2,860,649
0	0	152,778	4,736,118
0	0	13,624	422,344
0	0	20,743	643,033
0	0	0	0
0	0	304,959	9,453,729

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

0	0	361,267	11,199,277
0	0	0	0

Delivery To Kansas Gas Service @ WNG Point 24280, Topeka, 25,000 Dth/Mo.

806 25,000

Echo New Capacity (Includes Production Fuel)	
Amoco	17,808
Oxy	15,000
Duke	25,535
	0
	0
	0
	0
Total Supply	58,343
Total Remaining	0

WNG PEAK DAY REQUIREMENT (Net of Fuel)	
WNG FULL TRANSPORT	737,626
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-226,316
	0
	0
	0
	0
PEAK DAY NEEDS	17,497

Actual TSS Storage Balance 11/30/2000

9,966,153

12/19 12:42 PM

27 Dec-00	Forecast HDD's	Actual HDD's	Forecast Demand	KN @ 107th & Elm	KN @ Glavin (WNG) After Fuel	Served KPOC	Served PEPL	Off System Sales	WNG Obligation	WNG Flowing	TSS Daily With(-)/In(+)	TSS Average With(-)/In(+)	TSS Storage Balance	TSS % OF MSQ	FSS Daily With(-)/In(+)	FSS Storage Balance	PEPL/WS Storage Balance	Heat/HDD	Cumulative Heat/HDD
											38,390								
1		33	374,404	32,835	0	10,007	12,431	0	319,131	230,981	-88,150	-88,150	9,878,003	64.33%	0	1,121,952	998,540	8,764	8,764
2		39	433,822	32,923	0	10,022	12,481	0	378,396	230,981	-147,415	-117,783	9,730,588	63.37%	0	1,121,952	992,131	8,449	8,593
3		33	374,404	32,673	0	10,049	12,280	0	319,402	230,981	-88,421	-107,996	9,642,166	62.79%	0	1,121,952	985,722	8,972	8,712
4		31	354,598	31,706	0	9,976	13,193	0	299,723	230,981	-68,742	-98,182	9,573,424	62.34%	0	1,121,952	979,313	8,864	8,747
5		41	433,628	31,812	0	10,007	14,703	0	397,106	230,981	-166,125	-111,771	9,407,299	61.26%	0	1,121,952	972,903	8,808	8,761
6		34	384,307	32,185	0	10,025	15,576	0	326,521	230,981	-95,540	-109,066	9,311,759	60.64%	0	1,121,952	966,493	9,459	8,874
7		20	245,665	31,616	0	10,369	16,006	0	187,674	230,981	41,380	-87,574	9,353,138	60.91%	0	1,121,952	960,083	9,457	8,924
8		31	354,598	31,597	0	10,149	16,215	0	296,637	230,981	-65,656	-84,834	9,287,482	60.48%	0	1,121,952	953,673	8,871	8,918
9		26	305,083	31,639	0	11,116	14,816	0	247,512	230,981	-16,531	-77,245	9,270,951	60.37%	0	1,121,952	947,263	6,118	8,665
10		46	503,143	31,576	0	10,944	15,961	0	444,662	230,981	-213,681	-90,888	9,057,270	58.98%	0	1,121,952	940,853	8,562	8,651
11		61	651,688	62,644	0	21,976	36,049	0	531,019	230,981	-273,313	-107,472	8,783,956	57.20%	-26,725	1,095,227	922,853	10,012	8,861
12		58	621,979	59,979	0	13,412	43,248	0	505,340	215,563	-263,052	-120,437	8,520,904	55.49%	-26,725	1,068,502	904,853	8,768	8,849
13		50	542,755	33,257	0	12,206	33,270	0	464,022	220,240	-217,057	-127,870	8,303,847	54.08%	-26,725	1,041,777	886,853	9,840	8,948
14		47	513,046	32,522	0	11,588	24,430	0	444,506	223,072	-221,434	-134,553	8,082,413	52.63%	0	1,041,777	877,444	9,337	8,981
15		36	404,113	32,364	0	11,525	22,420	0	337,804	230,486	-107,318	-132,737	7,975,095	51.93%	0	1,041,777	868,035	9,664	9,023
16		54	582,367	50,835	0	11,475	36,311	0	483,746	227,890	-255,856	-140,432	7,719,239	50.27%	0	1,041,777	850,035	10,992	9,189
17		54	582,367	50,823	0	11,250	34,872	0	485,422	230,981	-254,441	-147,139	7,464,798	48.61%	0	1,041,777	832,035	9,566	9,218
18		55	592,270	51,219	0	9,997	25,444	0	505,610	230,981	-274,630	-154,221	7,190,168	46.82%	0	1,041,777	814,035	#VALUE!	
19	52		562,561	51,219	0	9,997	14,421	0	486,924	230,982	-255,943	-159,575	6,934,226	45.16%	0	1,041,777	796,035	9,500	
20	45		493,240	51,219	0	9,997	14,421	0	417,603	230,982	-186,622	-160,927	6,747,604	43.94%	0	1,041,777	778,035	9,500	
21	57		612,076	32,516	0	9,997	14,421	0	555,142	230,982	-324,160	-168,700	6,423,444	41.83%	0	1,041,777	760,035	9,500	
22	55		592,270	32,516	0	9,997	14,421	0	533,336	230,982	-304,354	-174,867	6,119,090	39.85%	0	1,041,777	742,035	9,500	
23	51		552,658	32,516	0	9,997	14,421	0	495,724	230,982	-264,742	-178,774	5,854,347	38.12%	0	1,041,777	724,035	9,500	
24	48		522,949	32,516	0	9,997	14,421	0	466,015	230,982	-235,033	-181,118	5,619,314	36.59%	0	1,041,777	714,626	9,500	
25	47		513,046	32,516	0	9,997	14,421	0	456,112	230,982	-225,130	-182,879	5,394,184	35.13%	0	1,041,777	705,217	9,500	
26	41		453,628	32,516	0	9,997	14,421	0	396,694	230,982	-165,712	-182,219	5,228,471	34.05%	0	1,041,777	695,808	9,500	
27	36		404,113	32,516	0	9,997	14,421	0	347,179	230,982	-116,197	-179,773	5,112,274	33.29%	0	1,041,777	686,399	9,500	
28	32		364,501	32,516	0	9,997	14,421	0	307,567	230,982	-76,585	-176,088	5,035,689	32.79%	0	1,041,777	676,990	9,500	
29	40		443,725	32,516	0	9,997	14,421	0	386,791	230,982	-155,809	-173,389	4,879,879	31.78%	0	1,041,777	667,581	9,500	
30	40		443,725	32,516	0	9,997	14,421	0	386,791	230,982	-155,809	-174,736	4,724,070	30.76%	0	1,041,777	658,172	9,500	
31	40		443,725	32,516	0	9,997	14,421	0	386,791	230,982	-155,809	-174,126	4,568,261	29.75%	0	1,041,777	648,763	9,500	
Totals		1333	14,676,454	1,154,323	0	336,048	587,179	0	12,598,903	7,122,764	-5,397,892		4,568,261		-80,175				

Base/Day 47605

Normal Average HDD's/Day 34.6129

EOM Target 7,771,317

Actual HDD's/Day 49.3704

Normal HDD's for November 1073

WNG 2000/2001 Winter Withdrawal Schedule - TSS
Missouri Gas Energy
2/19/2000 12:29

Contract	SA-0014	Zone	MKT
Rate Schedule	TSS	Market Fuel %	0.00
MSQ (Dth)	15,173,829	Injection Fuel %	0.00
MBQ (Dth)	Variable	Withdrawal Fuel %	0.00
MBWQ (Dth)	1459,813	10/31 Balance	15,593,505 Includes ISS

ORIGINAL PLAN			UPDATED PLAN		
Month	Day	Balance	Month	Day	Balance
November	4,000,000	133,333	5,627,352	187,578	9,966,153
December	2,849,985	91,935	5,397,892	174,126	4,568,261
January	2,849,985	91,935	2,849,985	91,935	1,718,276
February	2,558,612	91,379	2,558,612	91,379	-840,336
March	2,097,341	67,656	2,097,341	67,656	-2,937,677

Note: Above Volumes are Exclusive of Fuel

Withdrawal Month	End-Of-Month Balance	Percent of MSQ
November	9,966,153	65.68%
December	4,568,261	30.11%
January	1,718,276	11.32%
February	-840,336	-5.54%
March	-2,937,677	-19.36%

WNG 2000/2001 Winter Withdrawal Schedule - TSS

Missouri Gas Energy
2/19/2000 12:29

Contract	SA-0014	Zone	MKT
Rate Schedule	TSS	Market Fuel %	0.00
MSQ (Dth)	15,173,829	Injection Fuel %	0.00
MDQ (Dth)	Variable	Withdrawal Fuel %	0
MDWC (Dth)	1459,813	10/31 Balance	15,593,505 Includes ISS

ORIGINAL PLAN			UPDATED PLAN		
Month	Day	Balance	Month	Day	Balance
November	4,000,000	133,333	November	5,627,352	187,578
December	2,849,985	91,935	December	5,397,892	174,126
January	2,849,985	91,935	January	2,849,985	91,935
February	2,558,612	91,379	February	2,558,612	91,379
March	2,097,341	67,656	March	2,097,341	67,656
					-2,937,677

Note: Above Volumes are Exclusive of Fuel

Withdrawal Month	End-Of-Month Balance	Percent of MSQ
November	9,966,153	65.68%
December	4,568,261	30.11%
January	1,718,276	11.32%
February	-840,336	-5.54%
March	-2,937,677	-19.36%

PEPL - 2000/2001 Winter Withdrawal Schedule - FS
Missouri Gas Energy

Contract	17073	Zone	FLD
Rate Schedule	FS	Market Fuel %	0.00
MSQ (Dth)	1471,800	Injection Fuel %	0
MDIC (Dth)	15,000	Withdrawal Fuel %	0.00
MDWQ (Dth)	20,000	10/31 Balance	1,051,108

**TYPICAL
PLAN**

**UPDATED
PLAN**

	Month	Day	Balance	Month	Day	Balance
November	129,600	4,320	921,508	46,205	1,540	1,004,903
December	198,720	6,410	722,788	424,908	13,707	579,995
January	207,360	6,689	515,428	207,360	6,689	372,635
February	198,720	7,097	316,708	198,720	6,852	173,915
March	129,600	4,181	187,108	129,600	4,181	44,315

Note: Above Volumes are Inclusive of Fuel!

Withdrawal Month	End-Of-Month Balance	Percent of MSQ	Daily Nomination (Includes all Fuel)	Delivered To Market
November	1,004,903	68.28%	1,540	1,523
December	579,995	39.41%	13,707	13,555
January	372,635	25.32%	6,689	6,615
February	173,915	11.82%	6,852	6,776
March	44,315	3.01%	4,181	4,134

Missouri Gas Energy
Comparison of Actual to Estimated Storage Volumes
Williams Natural Gas Pipeline
October 2000 through March 2001

Month Ending	Estimated TSS Balance ⁽¹⁾	Estimated Monthly Injection (+) Withdrawal (-) ⁽¹⁾	Williams Reported Actual TSS Balance ⁽²⁾	Date of Storage Update (Based on Receipt of WNG Storage Report) ⁽³⁾	Actual Injection (+) Withdrawal (-)
Sep-00	14,018,181		14,122,908	10/12/00	
Oct-00	15,361,023	1,237,071	15,093,505	11/10/00	970,597
Nov-00	10,314,343	(4,779,162)	9,966,153	12/13/00	(5,127,352)
Dec-00	3,807,698	(6,158,457)	3,747,983	1/12/01	(6,218,170)
Jan-01	3,567,698	(179,004)	3,784,819	2/14/01	36,836
Feb-01	2,200,249	(258,457) ⁽⁴⁾	2,515,613	3/13/01	(1,269,206) ⁽⁵⁾
Mar-01	286,820	(2,228,793)	870,709	4/17/01	(1,644,904)

- (1) From Daily Supply Balance Sheets
(2) From William's Storage Report/Download
(3) Date William's actuals updated on Daily Supply Balance Sheets
(4) Includes FSS Storage balance transfer of 1,000,000.
(5) Net of FSS Storage balance transfer.

VIII. Early January

Ken Hubbard

From: Mike Langston
To: Al Kara; Harry Dowling; Karen Czaplewski; Steve Catron; Bobbie Barker; David Stevens; Rick Grundman; Bill Knox; Richard Fleager
Cc: David Twichell; Ken Hubbard; Pat Anderson; Ron Endres
Subject: RE: Gas Price update
Date: Tuesday, January 02, 2001 3:30PM

Hope everyone had a great Holiday ! As you may already know, the January NYMEX contract closed at \$ 9.978 last Wednesday. Today, the First of the Month index rates were published, and a sample are as follows:

EPNG, Permian	\$ 9.81
EPNG, San Juan	\$ 8.80
Florida Gas, S. Louisiana	\$ 9.93
Williams, Mid-Cont.	\$ 9.98
Houston Ship Channel	\$ 9.84
Transco, Zone 6(Market area delivery)	\$ 19.33
PG&E City Gate (California delivery)	\$ 14.69
SoCal City Gate (California delivery)	\$ 16.39

As of today, however, the market opened down over \$ 1.00, with the February contract closing today at \$ 8.362. This drop is due primarily to a milder weather forecast over much of the U.S. for the next 10 days. Traders are waiting to see if the milder forecasts will be confirmed over the next few days. In addition, the AGA storage report for withdrawals last week will come out tomorrow afternoon, with expectations of a withdrawal amount equal to last weeks withdrawal of 175 Bcf. If this is confirmed, the national storage levels will be in the 1.8 Tcf range, an all time low for this time of year.

If the weather were to continue at normal, or colder than normal levels, the storage levels are projected to be in the 500-850 Bcf range as early as mid-February. This would continue to place upward price pressure on the market through the remainder of the winter. We will have to monitor this closely.

For our MGE operations, December was over 131% of normal, and caused a large pull on storage. We are approximately 4 Bcf lower than our planned levels, but this can be supplied with flowing gas for the rest of the winter.

Crude prices continued to moderate, closing at \$ 27.21 today. However, OPEC is planning on cuts in crude productions to support prices, with cuts up to 1.5 million barrels per day being discussed.

Propane prices were up to \$ 0.99 per gallon last week, but traded in the \$ 0.81 per gallon level late today.

Cash market prices today continued in the \$ 10.00 range in most major areas, with prices into Florida Gas this last weekend trading up over \$ 20.00 due to the cold weather in Florida. The cash market will continue to be driven by weather, and should moderate somewhat if the milder forecasts are realized.

There may be opportunities to lock in prices below \$ 8.00 on our supplies in most markets for February if milder conditions continue. We will continue to monitor this.

Longer term, prices through the summer, and next winter continue in the \$ 5.17 - \$ 5.40 range. Some projections are calling for prices above \$ 4.50 through May of 2003.
Thanks.

From: Mike Langston

To: Harry Dowling; David Stevens; Richard Fleager; Bobbie Barker; Bill Knox; Steve Catron; Karen Czaplewski; Al Kara; Rick Grundman

Cc: Ron Endres; Pat Anderson; Ken Hubbard; David Twichell

Subject: RE: Gas Price update

Date: Thursday, December 21, 2000 10:20AM

This morning, cash prices continue to increase as a result of continued colder weather forecast over the next few days. Prices are trading at \$ 18.50 for delivery in Chicago, \$ 14 for delivery to pipelines in the mid-continent, and at \$ 11-\$11.50 for delivery into Williams for the Kansas City area. Trades for New York delivery for tomorrow are at \$ 15. Many pipelines have called operational flow orders, with plans to leave these daily balance orders in place at least through the Christmas holidays. These will be reevaluated on Tuesday next week. However, longer range forecasts show continued below normal temperatures across our service regions through the first week in January.

Power demand in the Southeast is strong, with expected stronger power demand in the northeast tomorrow as well. This will continue to provide strong demand for gas.

January NYMEX prices have traded up to \$ 9.90, and are currently around \$ 9.80. With continued strong weather forecasts and cash markets trading at a premium to the NYMEX screen, it now seems likely that January index prices will be near \$ 10.

As always, this information is good for 30 seconds. Have a great Christmas !

IX. January 16th and 17th

February Fixed Price Transactions

11/7	02/01-03/01	10,000	\$ 4.705	\$ 47,050
11/7	02/01-03/01	10,000	\$ 4.615	\$ 46,150
1/12	02/01-03/01	20,000	\$ 8.490	\$ 169,800
1/16	02/01-03/01	20,000	\$ 7.980	\$ 159,600
1/18	02/01-03/01	20,000	\$ 6.990	\$ 139,800
		80,000	7.03	\$ 562,400

MISSOURI GAS ENERGY

SUPPLY / DEMAND SUMMARY

February 2001 - Final
1/17/2001 @ 3:05 PM

February Demand

11,238,497 Monthly Total
401,375 Daily Average
946 HDD's

PDP # 00220 1th of 10 WKS

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)
WGPC FSS STORAGE INJECTION (+) / WITHDRAWAL (-)
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)
PRD Available 243,452

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)
SUB-TOTAL PEPL DEMAND

Avg (8201 OS, 5528 WB, 5000 BL, 1000 KC)
Storage With Nominate 7098 Dth/d

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PXP CUSTOMER DEMAND

SUB-TOTAL PXP DEMAND

Delivered 107th & Elm

PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND

SUB-TOTAL KPC DEMAND

WNG TU PER DAY	FULL MONTH PER DAY	TOTAL DAILY	TOTAL MONTHLY
289,569	8,767	218,422	8,059,816
-79,914	0	0	0
0	0	0	0
209,655	6,767	218,422	8,059,816
18,827	212	10,045	281,260
-8,994	0	0	0
9,833	212	10,045	281,260
0	0	0	0
0	0	0	0
70,500	2,406	72,906	2,041,368
70,500	2,406	72,906	2,041,368
14,479	670	15,149	424,172
14,479	670	15,149	424,172
10,000	371	10,371	290,388
10,000	371	10,371	290,388
314,467	10,426	324,893	9,097,004

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

ASSIGNED TERM SUPPLIES

28
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002
GP 30003
GP 30003

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS
PONY EXPRESS @ CHEYENNE
WILLIAMS
PANHANDLE
KANSAS PIPELINE
PONY EXPRESS @ MAMI

Includes deliveries to KCS @ WNG Point 24280

SUB-TOTAL DUKE TERM SUPPLIES

MINIMUMS/D	MAXIMUMS/D	PLAN/D	PLAN/MO
0	0	17,808	498,624
0	0	15,000	420,000
0	0	22,500	630,000
0	0	55,308	1,548,624
0	0	1,000	28,000
0	0	1,000	28,000
0	0	25,535	714,980
0	0	87,055	2,437,540
0	0	115,579	3,236,212
0	0	10,045	281,260
0	0	10,371	290,388
0	0	0	0
0	0	248,585	6,960,380

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

0 0 304,893 8,537,004
-20,000 -560,000

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

893 25,000

Item	Quantity
Amoco	17,808
Oxy	15,000
Duke	25,535
	0
	0
	0
Total Supply	58,343
Total Remaining	0

WNG PEAK DAY REQUIREMENT (DTH/D)	Quantity
WNG FULL TRANSPORT	737,626
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-190,280
	0
	0
	0
PEAK DAY NEEDS	53,533

MISSOURI GAS ENERGY

SUPPLY / DEMAND SUMMARY

February 2001 - Final
1/17/2001 @ 3:05 PM

February Demand

11,238,497 Monthly Total
461,375 Daily Average
946 HDD's

PDP - BBL280 Dth/Mo @ 69 HDD's

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)
WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)
PRD Available 243,452

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)
SUB-TOTAL PEPL DEMAND

Avg (6201 OS, 5526 WB, 5000 BL, 1000 KC)
Storage With Nominate 7098 Dth/d

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Motors

KPC CUSTOMER DEMAND

SUB-TOTAL KPC DEMAND

MMBTU PER DAY	FUEL MMBTU PER DAY	TOTAL DAILY	TOTAL MONTHLY
289,569	6,767	216,422	6,059,816
-79,914	0	0	0
0	0	0	0
209,655	6,767	216,422	6,059,816
16,827	212	10,045	281,260
-6,994	0	0	0
9,833	212	10,045	281,260
0	0	0	0
0	0	0	0
70,500	2,406	72,906	2,041,368
70,500	2,406	72,906	2,041,368
14,479	670	15,149	424,172
14,479	670	15,149	424,172
10,000	371	10,371	290,388
10,000	371	10,371	290,388
314,467	10,426	324,893	9,097,004

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

ASSIGNED TERM SUPPLIES

29
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS
OXY USA, INC. - T/S @ ECHO SPRINGS
OXY USA, INC. - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002
GP 30003
GP 30003

MINIMUMS/D	MAXIMUMS/D	PLANNED	PLANNED
0	0	17,808	498,624
0	0	15,000	420,000
0	0	22,500	630,000
0	0	55,308	1,548,624

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

0	0	1,000	28,000
0	0	1,000	28,000

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS
PONY EXPRESS @ CHEYENNE
WILLIAMS
PANHANDLE
KANSAS PIPELINE
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

0	0	25,535	714,980
0	0	87,055	2,437,540
0	0	115,579	3,236,212
0	0	10,045	281,260
0	0	10,371	290,388
0	0	0	0
0	0	248,585	6,960,380

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

0	0	304,893	8,537,004
		-20,000	-560,000

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

893 25,000

From: New Deposits, Reserves, Pipelines, etc.	
Amoco	17,808
Oxy	15,000
Duke	25,535
	0
	0
	0
	0
Total Supply	58,343
Total Remaining	0

WNG PEAK DAY REQUIREMENT (MVA at Topeka)	
WNG FULL TRANSPORT	737,626
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-190,280
	0
	0
	0
PEAK DAY NEEDS	53,533

Ken Hubbard

From: Mike Langston
To: Rob Hack; Steve Cattron
Cc: Ken Hubbard; Liz Smith
Subject: Gas Price hedge
Date: Friday, January 12, 2001 9:43AM

This morning, gas prices continued to soften. The market has reached the level of \$ 8.50, and we have fixed the price on ~~20,000 MMBtu~~ per day of supply for February at \$ 8.49. This is in addition to the 20,000 MMBtu we previously hedged at levels of approximately \$ 4.80. We will continue to watch the market, and if prices drop further, we will place additional price locks. At these levels, given the PGA filing recently made, we should help to reduce the projected under collection balances. Thanks.

Ken Hubbard

From: Mike Langston
To: Rob Hack; Steve Cattron
Cc: Ken Hubbard; Liz Smith
Subject: February Pricing
Date: Tuesday, January 16, 2001 10:51AM

As the market has continued lower today, from Friday's close, for the February NYMEX contract, we have locked in the pricing on 20,000 MMBtu per day at a rate of \$ 7.98. Currently the February market prices have traded in the range of \$ 7.94-\$ 8.25, with most activity in the \$ 8.00-\$ 8.05 area.

As of today, most market participants are expecting tomorrow's AGA storage report to show a withdrawal last week in the range of 100-133 Bcf. Given that the average AGA withdrawal rate over the remaining winter period is 133 Bcf, any report around 100 or lower will be seen to be bearish for prices, absent any forecasts for colder weather. We will review the market tomorrow and attempt to lock in a price on additional volumes. Thanks.

Ken Hubbard

From: Mike Langston
To: Rob Hack; Steve Cattron
Cc: Ken Hubbard; Liz Smith
Subject: RE: February Pricing
Date: Thursday, January 18, 2001 8:56AM

This morning the market opened up to \$ 7.18. We were able to lock in another 20,000 at \$ 6.99, and will continue to watch the market. Currently, the traders we have talked to with Duke are expecting some bounce back up today, although we will have to wait and see. Thanks.

From: Mike Langston
To: Rob Hack; Steve Cattron
Cc: Liz Smith; Ken Hubbard
Subject: February Pricing
Date: Tuesday, January 16, 2001 10:51AM

As the market has continued lower today, from Friday's close, for the February NYMEX contract, we have locked in the pricing on 20,000 MMBtu per day at a rate of \$ 7.98. Currently the February market prices have traded in the range of \$ 7.94-\$ 8.25, with most activity in the \$ 8.00-\$ 8.05 area.

As of today, most market participants are expecting tomorrow's AGA storage report to show a withdrawal last week in the range of 100-133 Bcf. Given that the average AGA withdrawal rate over the remaining winter period is 133 Bcf, any report around 100 or lower will be seen to be bearish for prices, absent any forecasts for colder weather. We will review the market tomorrow and attempt to lock in a price on additional volumes. Thanks.

**FOR IMMEDIATE DELIVERY
IMPORTANT TIME SENSITIVE DOCUMENT
EXHIBIT A**

01/12/2001



DUKE ENERGY TRADING AND MARKETING, L.L.C.
10777 WESTHEIMER, SUITE 650, HOUSTON, TX 77042

Mobil

Deal ID: S-MISSOURIGAS-0064

Contract Administration: Phone: (713) 260-1800 Fax: (713) 260-1825

Title ID: S-MISSOURIGAS-S-0005

This Exhibit A confirms the verbal agreement reached between representatives of the Buyer and Seller identified herein and is subject to terms and conditions of the existing Agreement between Seller and Buyer dated 11/01/1994.

Seller: Duke Energy Trading and Marketing, L.L.C.

Attn: Mark Homestead

Phone: (713) 260-5520

Contract #: S-8172

Fax: (713) 260-1825

Buyer: Missouri Gas Energy, A Div. of Southern Union Company

Attn: Mike Langston

Phone: (512) 370-8277

Contract #:

Fax: (512) 476-4966

Service Level: Firm

Meter No.	Meter Description	Begin CST	End CST	Qty/Day MMBtu	Price \$/USD/MMBtu
		09:00 AM	09:00 AM		
Pipeline : WILLIAMS NATURAL GAS COMPANY					
TBD	KMIGT/PONY	02/01/2001	03/01/2001	20000	\$8.49

If this description is contrary to our verbal agreement, notify DETM by clearly marking any such discrepancy(ies) directly on this Exhibit A and delivering to DETM Contract Administration via facsimile, telecopy or electronic transmission by the close of the second business day following your receipt. As soon as reasonably practical thereafter, please verbally notify either the DETM Marketing Department or Contract Administration that such written notice has been rendered. Your failure to notify DETM of any such contrary understanding by such time constitutes your confirmation of the transaction as described above.

Please be advised that the DETM company logo shall act as our signature in
accordance with the provisions of the Uniform Commercial Code.

**FOR IMMEDIATE DELIVERY
IMPORTANT TIME SENSITIVE DOCUMENT
EXHIBIT A
01/12/2001**



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10777 WESTHEIMER, SUITE 650, HOUSTON, TX 77042

Mobil

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Attn: Mark Homestead

Phone: (713) 260-5520

Contract #: S-8172

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Attn: Mike Langston

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Contract #:

Fax: (512) 476-4966

Service Level: Firm

Meter No.	Meter Description	Begin CST	End CST	Qty/Day MMBtu	Price \$/USD/MMBtu
		09:00 AM	09:00 AM		
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TBD	KMIGT/PONY	02/01/2001	03/01/2001	20000	\$8.49

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**FOR IMMEDIATE DELIVERY
IMPORTANT TIME SENSITIVE DOCUMENT
EXHIBIT A
01/12/2001**



DUKE ENERGY TRADING AND MARKETING, L.L.C.
10777 WESTHEIMER, SUITE 650, HOUSTON, TX 77042

Mobil

Deal ID: S-MISSOURIGAS-0064

Contract Administration: Phone: (713) 260-1800 Fax: (713) 260-1825

Title ID: S-MISSOURIGAS-S-0005

This Exhibit A confirms the verbal agreement reached between representatives of the Buyer and Seller identified herein and is subject to terms and conditions of the existing Agreement between Seller and Buyer dated 11/01/1994.

Seller: Duke Energy Trading and Marketing, L.L.C.
Attn: Mark Homestead Contract #: S-8172
Phone: (713) 260-5520 Fax: (713) 260-1825

Buyer: Missouri Gas Energy, A Div. of Southern Union Company
Attn: Mike Langston Contract #:
Phone: (512) 370-8277 Fax: (512) 476-4966

Service Level: Firm

Meter No.	Meter Description	Begin CST	End CST	Qty/Day MMBtu	Price \$/USD/MMBtu
		09:00 AM	09:00 AM		
Pipeline : WILLIAMS NATURAL GAS COMPANY					
TBD	KMIGT/PONY	02/01/2001	03/01/2001	20000	\$8.49

If this description is contrary to our verbal agreement, notify DETM by clearly marking any such discrepancy(ies) directly on this Exhibit A and delivering to DETM Contract Administration via facsimile, telecopy or electronic transmission by the close of the second business day following your receipt. As soon as reasonably practical thereafter, please verbally notify either the DETM Marketing Department or Contract Administration that such written notice has been rendered. Your failure to notify DETM of any such contrary understanding by such time constitutes your confirmation of the transaction as described above.

Please be advised that the DETM company logo shall act as our signature in accordance with the provisions of the Uniform Commercial Code.

**FOR IMMEDIATE DELIVERY
IMPORTANT TIME SENSITIVE DOCUMENT
EXHIBIT A
01/12/2001**



DUKE ENERGY TRADING AND MARKETING, L.L.C.
10777 WESTHEIMER, SUITE 650, HOUSTON, TX 77042

Mobil

Contract Administration: Phone: (713) 260-1800 Fax: (713) 260-1825

Deal ID: S-MISSOURIGAS-0064

Title ID: S-MISSOURIGAS-S-0005

This Exhibit A confirms the verbal agreement reached between representatives of the Buyer and Seller identified herein and is subject to terms and conditions of the existing Agreement between Seller and Buyer dated 11/01/1994.

Seller: Duke Energy Trading and Marketing, L.L.C.
Attn: Mark Homestead Contract #: S-8172
Phone: (713) 260-5520 Fax: (713) 260-1825

Buyer: Missouri Gas Energy, A Div. of Southern Union Company
Attn: Mike Langston Contract #:
Phone: (512) 370-8277 Fax: (512) 476-4966

Service Level: Firm

Meter No.	Meter Description	Begin CST	End CST	Qty/Day MMBtu	Price \$/USD/MMBtu
		09:00 AM	09:00 AM		
Pipeline : WILLIAMS NATURAL GAS COMPANY					
TBD	KMIGT/PONY	02/01/2001	03/01/2001	20000	\$8.49

If this description is contrary to our verbal agreement, notify DETM by clearly marking any such discrepancy(ies) directly on this Exhibit A and delivering to DETM Contract Administration via facsimile, telecopy or electronic transmission by the close of the second business day following your receipt. As soon as reasonably practical thereafter, please verbally notify either the DETM Marketing Department or Contract Administration that such written notice has been rendered. Your failure to notify DETM of any such contrary understanding by such time constitutes your confirmation of the transaction as described above.

Please be advised that the DETM company logo shall act as our signature in accordance with the provisions of the Uniform Commercial Code.

Ken Hubbard

From: David Twichell
To: Brenda Trombetta; Ken Hubbard; Liz Smith; Mark Homestead
Cc: Mike Langston
Subject: February 2001 Supply Demand Summary
Date: Wednesday, January 17, 2001 3:24PM
Priority: High

<<File Attachment: SD2001FE.XLS>>

Attached is the final Supply Demand Summary for February 2001, including all changes discussed in our meeting this morning.

Mark - Please note that overall supply is 20,000 Dth short of demand. This volume has been deducted from Williams supply at points other than Echo Springs. Please call if you have any questions.

Thanks,

D.T.

MISSOURI GAS ENERGY

SUPPLY / DEMAND SUMMARY

February 2001 - Final
1/17/2001 @ 3:05 PM

February Demand

11,238,497 Monthly Total
401,375 Daily Average
946 HDD's

PDF = 305280 Dth or 63 HDDs

WGPC CUSTOMER DEMAND
WGPC TSS STORAGE INJECTION (+)/WITHDRAWAL (-)
WGPC FSS STORAGE INJECTION (+)/WITHDRAWAL (-)
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)
PRD Available 243,452

PEPL CUSTOMER DEMAND
PEPL STORAGE INJECTION (+)/WITHDRAWAL (-)
SUB-TOTAL PEPL DEMAND

Avg (6201 OS, 5526 WB, 5000 BL, 1000 KC)
Storage With Nominate 7098 Dth/d

PEPL @ PONY EXPRESS
SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PXP CUSTOMER DEMAND
SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

PXP @ WGPC GLAVIN
SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND
SUB-TOTAL KPC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

MMBTU PER DAY	FUEL MMBTU PER DAY	TOTAL DAILY
289,569	6,767	216,422
-79,914	0	0
0	0	0
209,655	6,767	216,422
16,827	212	10,045
-6,994	0	0
9,833	212	10,045
0	0	0
0	0	0
70,500	2,406	72,906
70,500	2,406	72,906
14,479	670	15,149
14,479	670	15,149
10,000	371	10,371
10,000	371	10,371
314,467	10,426	324,893

ASSIGNED TERM SUPPLIES

28
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002
GP 30003
GP 30003

MINIMUMS/D	MAXIMUMS/D	PLAN/D
0	0	17,808
0	0	15,000
0	0	22,500
0	0	55,308

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

0	0	1,000
0	0	1,000

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS
PONY EXPRESS @ CHEYENNE
WILLIAMS
PANHANDLE
KANSAS PIPELINE
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

0	0	25,535
0	0	87,055
0	0	115,579
0	0	10,045
0	0	10,371
0	0	0
0	0	248,585

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

893

Echo, New Capacity (Includes Production Fuel)	
Amoco	17,808
Oxy	15,000
Duke	25,535
	0
	0
	0
	0
Total Supply	58,343
Total Remaining	0

WNG PEAK DAY REQUIREMENT (Net of Fuel)	
WNG FULL TRANSPORT	737,626
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-190,280
	0
	0
	0
PEAK DAY NEEDS	53,533

- 289,569

25,000	
-560,000	
8,537,004	
6,960,380	
0	
290,388	
281,260	
3,236,212	
2,437,540	
714,980	
28,000	
28,000	
1,548,624	
630,000	
420,000	
498,624	
PLAN/MO	
9,097,004	
290,388	
290,388	
424,172	
2,041,368	
2,041,368	
0	
0	
281,260	
281,260	
6,059,816	
0	
0	
6,059,816	
MONTHLY	
TOTAL	



MISSOURI GAS ENERGY
SUPPLY / DEMAND SUMMARY
February 2001 - Draft

February Demand

11,238,497 Monthly Total
401,375 Daily Average
946 HDD's

POP = 428498 DNG = 71 HDD's

WGPC CUSTOMER DEMAND
WGPC TSS STORAGE INJECTION (+)/WITHDRAWAL (-)
WGPC FSS STORAGE INJECTION (+)/WITHDRAWAL (-)
SUB-TOTAL WGPC DEMAND

Storage With
PRD Available

Nominate 0 (Zero)
243,452

PEPL CUSTOMER DEMAND
PEPL STORAGE INJECTION (+)/WITHDRAWAL (-)
SUB-TOTAL PEPL DEMAND

Avg (6201 OS, 5526 WB, 5000 BL, 1000 KC)
Storage With

Nominate 6876 D6yd

PEPL @ PONY EXPRESS
SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PXP CUSTOMER DEMAND
SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

PXP @ WGPC GLAVIN
SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND
SUB-TOTAL KPOC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

ASSIGNED TERM SUPPLIES

28
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002
GP 30003
GP 30003

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS
PONY EXPRESS @ CHEYENNE
WILLIAMS
PANHANDLE
KANSAS PIPELINE
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service @ WNG Point 24280, Topeka, 25,000 Dth/Mo.

893 25,000

Term Supply	Capacity (Includes Production Fuel)
Amoco	17,808
Oxy	15,000
Duke	25,535
	0
	0
	0
Total Supply	58,343
Total Remaining	0

WNG PEAK DAY REQUIREMENT (Net of Fuel)	
WNG FULL TRANSPORT	737,626
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-209,655
	0
	0
	0
PEAK DAY NEEDS	34,155

Capacity Release

20,000 / day short Yes % Mike
Production Release
30,000 + 40,000

MISSOURI GAS ENERGY
SUPPLY / DEMAND SUMMARY
March 2001 - Draft

March Demand

8,448,472 Monthly Total
272,531 Daily Average
691 HDD's

TOP = 63554 Dth or 88 HDD's

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)
WGPC FSS STORAGE INJECTION (+) / WITHDRAWAL (-)
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)
PRD Available 208,513

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)
SUB-TOTAL PEPL DEMAND

Avg (3980 OS, 4592 WB, 2000 BL, 1000 KC)
Storage With Nominate 4195 Dth/d

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND

SUB-TOTAL KPC DEMAND

MMBTU PER DAY	FUEL MMBTU PER DAY	TOTAL DAILY	TOTAL MONTHLY
200,967	4,303	137,614	4,266,034
-67,656	0	0	0
0	0	0	0
133,311	4,303	137,614	4,266,034
11,572	160	7,598	235,538
-4,134	0	0	0
7,438	160	7,598	235,538
0	0	0	0
0	0	0	0
49,000	1,672	50,672	1,570,832
49,000	1,672	50,672	1,570,832
5,992	277	6,269	194,339
5,992	277	6,269	194,339
5,000	186	5,186	160,766
5,000	186	5,186	160,766
200,741	6,598	207,339	6,427,509

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

ASSIGNED TERM SUPPLIES

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS
OXY USA, INC. - T/S @ ECHO SPRINGS
OXY USA, INC. - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002
GP 30003
GP 30003

31
REASON

MINIMUMS/D	MAXIMUMS/D	PLANNED	PLANNED
0	0	17,808	552,048
0	0	15,000	465,000
0	0	22,500	697,500
0	0	55,308	1,714,548

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

0	0	1,000	31,000
0	0	1,000	31,000

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS
PONY EXPRESS @ CHEYENNE
WILLIAMS
PANHANDLE
KANSAS PIPELINE
PONY EXPRESS @ MIAMI

Includes deliveries to KC-S @ WNG Point 24280

0	0	25,535	791,585
0	0	40,941	1,269,171
0	0	46,771	1,449,901
0	0	7,598	235,538
0	0	5,186	160,766
0	0	0	0
0	0	126,031	3,906,961

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

0	0	182,339	5,652,509
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TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

-25,000	-775,000
---------	----------

Delivery To Kansas Gas Service @ WNG Point 24280, Topeka, 25,000 Dth/Mo.

806 25,000

Echo New Capacity (Includes Production & Net)	
Amoco	17,808
Oxy	15,000
Duke	25,535
	0
	0
	0
	0
Total Supply	58,343
Total Remaining	0

WNG PEAK DAY REQUIREMENT OF Fuel	
WNG FULL TRANSPORT	737,624
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-123,624
	0
	0
	0
	0
PEAK DAY NEEDS	120,189

WNG 2000/2001 Winter Withdrawal Schedule - TSS
Missouri Gas Energy
1/16/2001 15:02

Contract	SA 0014	Zone	MKT
Rate Schedule	TSS	Market Fuel %	0.00
MSQ (Dth)	15,173,629	Injection Fuel %	0.00
MDIQ (Dth)	Variable	Withdrawal Fuel %	0
MDWQ (Dth)	459,813	10/31 Balance	15,593,505

Includes ISS

ORIGINAL PLAN			UPDATED PLAN		
Month	Day	Balance	Month	Day	Balance
November	4,000,000	133,333	11,593,505	5,627,352	187,578
December	2,849,985	91,935	8,743,520	6,218,170	200,586
January	2,849,985	91,935	5,893,535	-31,553	-1,018
February	2,558,612	91,379	3,334,923	1,237,582	44,199
March	2,097,341	67,656	1,237,582	2,097,341	67,656

Note: Above Volumes are Exclusive of Fuel

Includes withdrawals of 2,237,582 for February and transfer of 1 Bcf from FSS storage at EOM

Withdrawal Month	End-Of-Month Balance	Percent of MSQ
November	9,966,153	65.68%
December	3,747,983	24.70%
January	3,779,536	24.91%
February	2,541,954	16.75%
March	444,613	2.93%

WNG 2000/2001 Winter Withdrawal Schedule - FSS
Missouri Gas Energy
1/16/2001 15:02

Contract	SA-0072	Zone	MKT
Rate Schedule	FSS	Market Fuel %	0.00
MSQ (Dth)	1,122,000	Injection Fuel %	0.00
MDic (Dth)	Variable	Withdrawal Fuel %	0
MDWQ (Dth)	34,000	10/31 Balance	1,122,000

ORIGINAL PLAN			UPDATED PLAN			
Month	Day	Balance	Month	Day	Balance	
November	0	0	1,122,000	0	0	1,122,000
December	374,000	34,000	748,000	80,223	7,293	1,041,777
January	374,000	34,000	374,000	0	0	1,041,777
February	374,000	34,000	0	1,000,000	90,909	41,777
March	0	0	0	0	0	41,777

1 Bcf transferred to TSS storage at end of February

Note: This plan is based on withdrawing the full MDWQ of 34,000 Dth/day for a total of 33 days during the core winter months of December, January, and February. All volumes are exclusive of fuel.

Withdrawal Month	End-Of-Month Balance	Percent of MSQ
November	1,122,000	100.00%
December	1,041,777	92.85%
January	1,041,777	92.85%
February	41,777	3.72%
March	41,777	3.72%

PEPL - 2000/2001 Winter Withdrawal Schedule - FS
Missouri Gas Energy

Contract	17073	Zone	FED
Rate Schedule	ES	Market Fuel %	0.00
MSQ (Dth)	147,1800	Injection Fuel %	0
MDQ (Dth)	15,000	Withdrawal Fuel %	0.00
MDWQ (Dth)	20,000	10/31 Balance	1,054,108

TYPICAL PLAN			UPDATED PLAN		
Month	Day	Balance	Month	Day	Balance
November	129,600	4,320	921,508	46,205	1,540
December	198,720	6,410	722,788	429,365	13,850
January	207,360	6,689	515,428	207,360	6,689
February	198,720	7,097	316,708	198,720	7,097
March	129,600	4,181	187,108	129,600	4,181

Note: Above Volumes are Inclusive of Fuel!

Withdrawal Month	End-Of-Month Balance	Percent of MSQ	Daily Nomination (Includes all Fuel)	Delivered To Market
November	1,004,903	68.28%	1,540	1,518
December	575,538	39.10%	13,850	13,648
January	368,178	25.02%	6,689	6,591
February	169,458	11.51%	7,097	6,994
March	39,858	2.71%	4,181	4,120

Ken Hubbard

From: David Twichell
To: Brenda Trombetta; Ken Hubbard; Liz Smith
Cc: Mike Langston
Subject: MGE Business
Date: Tuesday, January 16, 2001 3:32PM
Priority: High

<<File Attachment: SD2001FE.XLS>><<File Attachment: SD2001MA.XLS>>

Please plan on attending a meeting to discuss February and March business at 10:30 AM on Tuesday, 1/17/2001 in the Gas Supply conference room. The Supply/Demand Summaries for both months are attached for your review.

Ken -

Please plan on staying after this meeting to discuss upcoming Williams contract negotiations.

Thanks,

D.T

MISSOURI GAS ENERGY
SUPPLY / DEMAND SUMMARY
February 2001 - Draft

February Demand

11,238,497 Monthly Total
401,375 Daily Average
946 HDD's

POP - 828498 Dth @ 77 HDD's

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)
WGPC FSS STORAGE INJECTION (+) / WITHDRAWAL (-)
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)
PRD Available 243,452

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)
SUB-TOTAL PEPL DEMAND

Avg 16201 OS, 5526 WB, 5000 BL, 1000 KC
Storage With Nominate 6876 Dth/d

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND

SUB-TOTAL KPOC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

MMBtu PER DAY	FUEL MMbtu PER DAY	TOTAL DAILY	TOTAL MONTHLY
289,569	6,767	216,422	6,059,816
-79,914	0	0	0
0	0	0	0
209,655	6,767	216,422	6,059,816
16,827	217	10,268	287,504
-8,776	0	0	0
10,051	217	10,268	287,504
0	0	0	0
0	0	0	0
70,500	2,406	72,906	2,041,368
70,500	2,406	72,906	2,041,368
14,479	670	15,149	424,172
14,479	670	15,149	424,172
10,000	371	10,371	290,388
10,000	371	10,371	290,388
314,685	10,431	325,116	8,103,248

ASSIGNED TERM SUPPLIES

21
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS
DXY USA, INC. - T/S @ ECHO SPRINGS
DXY USA, INC. - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002
GP 30003
GP 30003

MINIMUM/D	MAXIMUM/D	PLAND	PLAN/MO
0	0	17,808	498,624
0	0	15,000	420,000
0	0	22,500	630,000
0	0	55,308	1,548,624

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

0	0	1,000	28,000
0	0	1,000	28,000

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS
PONY EXPRESS @ CHEYENNE
WILLIAMS
PANHANDLE
KANSAS PIPELINE
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

0	0	25,535	714,980
0	0	87,055	2,437,540
0	0	135,579	3,796,212
0	0	10,268	287,504
0	0	10,371	290,388
0	0	0	0
0	0	268,808	7,526,624

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

0	0	325,116	8,103,248
0	0	0	0

Delivery To Kansas Gas Service @ WNG Point 24280, Topeka, 25,000 Dth/Mo.

893 25,000

Supply	Quantity	Location	Production Type
Amoco	17,808		
Dxy	15,000		
Duke	25,535		
	0		
	0		
	0		
	0		
Total Supply	58,343		
Total Remaining	0		

WNG Point 24280 Requirements	WNG Point 24280
WNG FULL TRANSPORT	737,626
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-209,655
	0
	0
	0
	0
PEAK DAY NEEDS	34,158

MISSOURI GAS ENERGY
SUPPLY / DEMAND SUMMARY
March 2001 - Draft

March Demand

8,448,472 Monthly Total
272,531 Daily Average
631 HDD's

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)
WGPC PSS STORAGE INJECTION (+) / WITHDRAWAL (-)
SUB-TOTAL WGPC DEMAND

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)
SUB-TOTAL PEPL DEMAND

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

PXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

KPC CUSTOMER DEMAND

SUB-TOTAL KPC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

Storage With Nominate 0 (Zero)
PRD Available 208,513

Avg (3980 OS, 4592 WB, 2000 BL, 1000 KC)
Storage With Nominate 4195 Dth/d

Delivered 107th & Elm

Delivered 107th & Elm

Delivered WGPC KC Meters

PDP - C89514 Dth/d @ 68 HDD's			
MMBTU PER DAY	FUEL MMBTU PER DAY	TOTAL DAILY	TOTAL MONTHLY
200,967	4,303	137,614	4,266,034
-67,656	0	0	0
0	0	0	0
133,311	4,303	137,614	4,266,034
11,572	160	7,598	235,538
-4,134	0	0	0
7,438	160	7,598	235,538
0	0	0	0
0	0	0	0
49,000	1,672	50,672	1,570,832
49,000	1,672	50,672	1,570,832
5,992	277	6,269	194,339
5,992	277	6,269	194,339
5,000	186	5,186	160,766
5,000	186	5,186	160,766
200,741	6,598	207,339	6,427,509

ASSIGNED TERM SUPPLIES

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002
GP 30003
GP 30003

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS
PONY EXPRESS @ CHEYENNE
WILLIAMS
PANHANDLE
KANSAS PIPELINE
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

SUB-TOTAL DUKE TERM SUPPLIES

31
REASON

MINIMUM/D	MAXIMUM/D	PLAND	PLANMO
0	0	17,808	552,048
0	0	15,000	465,000
0	0	22,500	697,500
0	0	55,308	1,714,548
0	0	1,000	31,000
0	0	1,000	31,000
0	0	25,535	791,585
0	0	40,941	1,269,171
0	0	46,771	1,449,901
0	0	7,598	235,538
0	0	5,186	160,766
0	0	0	0
0	0	126,031	3,906,961
0	0	182,339	5,652,509

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

806 25,000

ECHO SPRING ENERGY SERVICES PRODUCTION FUEL	
Amoco	17,808
Oxy	15,000
Duke	25,635
	0
	0
	0
	0
Total Supply	58,343
Total Remaining	0

WNG PEAK DAY REQUIREMENT (Dth/d)	
WNG FULL TRANSPORT	737,626
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-123,624
	0
	0
	0
	0
PEAK DAY NEEDS	120,189

MISSOURI GAS ENERGY
SUPPLY / DEMAND SUMMARY
February 2001 - Draft

February Demand

11,238,497 Monthly Total
401,375 Daily Average
346 HDD's

PDF = 834641 2100 of 72 HDD's

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)
WGPC FSS STORAGE INJECTION (+) / WITHDRAWAL (-)
SUB-TOTAL WGPC DEMAND

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)
SUB-TOTAL PEPL DEMAND

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

PXP CUSTOMER DEMAND

SUB-TOTAL PXP DEMAND

PXP @ WGPC GLAYIN

SUB-TOTAL PXP @ WGPC GLAYIN

KPC CUSTOMER DEMAND

SUB-TOTAL KPC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

ASSIGNED TERM SUPPLIES

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS
OXY USA, INC. - T/S @ ECHO SPRINGS
OXY USA, INC. - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002
GP 30003
GP 30003

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS
PONY EXPRESS @ CHEYENNE
WILLIAMS
PANHANDLE
KANSAS PIPELINE
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

893 25,000

Approx. New Capacity Required to Meet Peak Day	
Amoco	17,808
Oxy	15,000
Duke	25,535
	0
	0
	0
	0
Total Supply	58,343
Total Remaining	0

WNG PEAK DAY REQUIREMENTS (WNG Point 24280)	
WNG FULL TRANSPORT	737,626
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-226,311
	0
	0
	0
PEAK DAY NEEDS	17,502

G: Corp / Gas / Gas Con.

MISSOURI GAS ENERGY
SUPPLY / DEMAND SUMMARY
February 2001 - KJH Draft

February Demand

11,238,497 Monthly Total
401,375 Daily Average
846 HDD's

PDP # 855002 Dth at 23 HDD's

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+) / WITHDRAWAL (-)
WGPC FSS STORAGE INJECTION (+) / WITHDRAWAL (-)
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)
PRD Available 243,813

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+) / WITHDRAWAL (-)
SUB-TOTAL PEPL DEMAND

Avg (7,237 OS, 6,715 WB, 5,000 BL, 10,000 Dodson)
Storage With Nominate 6689 Dth/d

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PXP CUSTOMER DEMAND

SUB-TOTAL PXP DEMAND

Delivered 107th & Elm

PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND

SUB-TOTAL KPC DEMAND

MMBTU PER DAY	FUEL MMBTU PER DAY	TOTAL DAILY	TOTAL MONTHLY
238,558	5,971	190,958	5,346,824
-53,571	0	0	0
0	0	0	0
184,987	5,971	190,958	5,346,824
28,952	481	22,818	638,904
-6,615	0	0	0
22,337	481	22,818	638,904
0	0	0	0
0	0	0	0
70,500	2,406	72,906	2,041,368
70,500	2,406	72,906	2,041,368
19,472	901	20,373	570,444
19,472	901	20,373	570,444
43,893	1,630	45,523	1,274,644
43,893	1,630	45,523	1,274,644
341,189	11,389	352,578	9,872,184

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

ASSIGNED TERM SUPPLIES

28
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002
GP 30003
GP 30003

MINIMUM/D	MAXIMUM/D	PLAND	PLAN/D
0	0	17,808	498,624
0	0	15,000	420,000
0	0	22,500	630,000
0	0	55,308	1,548,624

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

0	0	1,000	28,000
0	0	1,000	28,000

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS
PONY EXPRESS @ CHEYENNE
WILLIAMS
PANHANDLE
KANSAS PIPELINE
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

0	0	25,535	714,980
0	0	92,279	2,583,812
0	0	110,115	3,083,220
0	0	22,818	638,904
0	0	45,523	1,274,644
0	0	0	0
0	0	296,270	8,295,560

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

893 25,000

Est'd New Capacity Includes Firm Order / Yr	
Amoco	17,808
Oxy	15,000
Duke	25,535
	0
	0
	0
	0
Total Supply	58,343
Total Remaining	0

WNG PEAK DAY REQUIREMENT / WNG PLANS	
WNG FULL TRANSPORT	737,626
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-184,987
	0
	0
	0
PEAK DAY NEEDS	58,826

MISSOURI GAS ENERGY
SUPPLY / DEMAND SUMMARY
January 2001 - Final

January Demand

13,893,421 Monthly Total
448,175 Daily Average
1218 HDD's

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+)/WITHDRAWAL (-)
WGPC FSS STORAGE INJECTION (+)/WITHDRAWAL (-)
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)
PRD Available 243,813

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+)/WITHDRAWAL (-)
SUB-TOTAL PEPL DEMAND

Avg (7,237 OS, 6,715 WB, 5,000 BL, 10,000 Dodson)
Storage With Nominate 6689 Dth/d

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PXP CUSTOMER DEMAND
SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND

SUB-TOTAL KPC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

PDP - 808018 Dth at 75 HDD			
MMBtu PER DAY	FUEL MMBtu PER DAY	TOTAL DAILY	TOTAL MONTHLY
285,358	7,618	243,621	7,552,251
-49,355	0	0	0
0	0	0	0
236,003	7,618	243,621	7,552,251
28,952	481	22,818	707,358
-6,615	0	0	0
22,337	481	22,818	707,358
0	0	0	0
0	0	0	0
70,500	2,406	72,906	2,280,086
70,500	2,406	72,906	2,280,086
19,472	901	20,373	631,563
19,472	901	20,373	631,563
43,893	1,630	45,523	1,411,213
43,893	1,630	45,523	1,411,213
392,205	13,036	405,241	12,562,471

ASSIGNED TERM SUPPLIES

31
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002
GP 30003
GP 30003

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS
PONY EXPRESS @ CHEYENNE
WILLIAMS
PAMHANDLE
KANSAS PIPELINE
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

SUB-TOTAL DUKE TERM SUPPLIES

MINIMUMS/D	MAXIMUMS/D	PLAND	PLANS/D
0	0	17,808	552,048
0	0	15,000	465,000
0	0	22,500	697,500
0	0	55,308	1,714,548
0	0	1,000	31,000
0	0	1,000	31,000
0	0	25,535	791,585
0	0	92,279	2,860,649
0	0	162,778	5,046,118
0	0	22,818	707,358
0	0	45,523	1,411,213
0	0	0	0
0	0	348,933	10,816,923
0	0	405,241	12,562,471

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

806 25,000

Actual Raw Capacity Injection Production Entry	
Amoco	17,808
Oxy	15,000
Duke	25,535
	0
	0
	0
	0
Total Supply	58,343
Total Remaining	0

WNG PEAK DAY REQUIREMENT Average Entry	
WNG FULL TRANSPORT	737,626
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-236,003
	0
	0
	0
	0
PEAK DAY NEEDS	7,810

MISSOURI GAS ENERGY
SUPPLY / DEMAND SUMMARY
February 2001 - Draft
10/04/2000 @ 1:00 PM

7 wickell 10M 10/4/00 11/8

February Demand

11,238,497 Monthly Total
401,375 Daily Average
946 HDD's

PDP = 1997031 Dth or 68 HDD's

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+)/WITHDRAWAL (-)

WGPC FSS STORAGE INJECTION (+)/WITHDRAWAL (-)

SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)
PRD Available 243,813

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+)/WITHDRAWAL (-)

SUB-TOTAL PEPL DEMAND

Avg (6201 OS, 5526 WB, 5000 BL, 1000 KC)
Storage With Nominate 6852 Dth/d

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

PXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

PXP @ WGPC GLAVIN

SUB-TOTAL PXP @ WGPC GLAVIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND

SUB-TOTAL KPC DEMAND

MMBTU PER DAY	FUEL MMBTU PER DAY	TOTAL DAILY	TOTAL MONTHLY
289,548	4,782	202,951	5,682,628
-91,379	0	0	0
0	0	0	0
198,169	4,782	202,951	5,682,628
16,827	217	10,268	287,504
-6,776	0	0	0
10,051	217	10,268	287,504
0	0	0	0
0	0	0	0
70,500	2,406	72,906	2,041,368
70,500	2,406	72,906	2,041,368
14,500	649	15,149	424,172
14,500	649	15,149	424,172
10,000	371	10,371	290,388
10,000	371	10,371	290,388
303,220	8,425	311,645	8,726,060

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

ASSIGNED TERM SUPPLIES

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS

GP 30002

OXY USA, INC - T/S @ ECHO SPRINGS

GP 30003

OXY USA, INC - T/S @ WILLIAMS PRODUCTION FIELDS

GP 30003

28
REASON

MINIMUMS/D	MAXIMUMS/D	PLAN/D	PLAN/MO
0	0	17,808	498,624
0	0	15,000	420,000
0	0	22,500	630,000
0	0	55,308	1,548,624

SUB-TOTAL ASSIGNED TERM SUPPLIES

ONEOK TERM SUPPLIES

ONEOK @ PXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

0	0	1,000	28,000
0	0	1,000	28,000

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS

PONY EXPRESS @ CHEYENNE

WILLIAMS

PANHANDLE

KANSAS PIPELINE

PONY EXPRESS @ MIAMI

0	0	25,157	704,396
0	0	77,055	2,157,540
0	0	112,486	3,149,608
0	0	10,268	287,504
0	0	10,371	290,388
0	0	0	0
0	0	235,337	6,589,436

SUB-TOTAL DUKE TERM SUPPLIES

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

0	0	291,645	8,166,060
-20,000	-560,000		

Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

893

25,000

From	New Capacity (Includes Production Fuel)
Amoco	17,808
Oxy	15,000
Duke	25,157
	0
	0
	0
	0
Total Supply	57,965
Total Remaining	0

WNG PEAK DAY REQUIREMENT (Net of Fuel)	
WNG FULL TRANSPORT	737,626
LESS MAX STORAGE WITHDRAWAL	<u>-493,813</u>
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-198,169
	0
	0
	0
	0
PEAK DAY NEEDS	<u>45,644</u>

Actual TSS Storage Balance 12/31/2000

3,747,983

1/15 12:44 PM

21 Jan-01	Forecast HDD's	Actual HDD's	Forecast Demand	KN @ 107th & Elm	KN @ Glavin (WNG) After Fuel	Served KPOC	Served PEPL	Off System Sales	WNG Obligation	WNG Flowing	TSS Daily With(-)/Inj(+)	TSS Average With(-)/Inj(+)	TSS Storage Balance	TSS % OF MSQ	FSS Daily With(-)/Inj(+)	FSS Storage Balance	PEPL/WS Storage Balance	Heat/HDD	Cumulative Heat/HDD
1		62	686,205	91,451	0	43,905	31,488	0	519,361	230,259	-289,102	-289,102	3,458,881	22.52%	0	3,458,881	573,346	9,492	9,492
2		54	603,805	91,315	0	43,790	31,090	0	437,610	233,096	-204,514	-246,808	3,254,367	21.19%	0	1,041,777	566,657	9,204	9,358
3		41	469,905	90,308	0	43,926	28,096	0	307,575	233,674	-73,901	-189,172	3,180,466	20.71%	0	1,041,777	559,968	9,605	9,422
4		33	387,505	80,463	9,558	43,872	25,730	0	227,882	235,197	7,182	-140,084	3,187,648	20.76%	0	1,041,777	553,279	8,689	9,295
5		28	336,005	80,263	9,558	43,907	24,891	0	177,386	235,197	56,759	-100,715	3,244,407	21.13%	0	1,041,777	546,590	9,260	9,290
6		25	305,105	80,187	9,558	43,840	28,955	0	142,565	236,423	92,149	-68,571	3,336,556	21.73%	0	1,041,777	539,901	9,553	9,318
7		29	346,305	80,119	9,558	43,868	29,922	0	182,838	233,007	49,256	-51,739	3,385,812	22.05%	0	1,041,777	533,212	9,276	9,313
8		37	428,705	79,985	9,558	43,996	30,960	0	264,206	235,439	-28,747	-48,865	3,357,065	21.86%	0	1,041,777	526,523	9,044	9,281
9		32	377,205	85,044	4,779	43,948	30,894	0	212,540	233,799	20,872	-41,116	3,377,937	22.00%	0	1,041,777	519,834	9,869	9,336
10		22	274,205	84,901	4,779	43,560	28,325	0	112,640	236,106	121,219	-24,883	3,499,156	22.79%	0	1,041,777	513,145	10,684	9,418
11		29	346,305	85,038	4,779	41,196	28,816	0	186,476	238,116	50,700	-18,012	3,549,856	23.12%	0	1,041,777	506,456	9,378	9,415
12		28	336,005	85,034	4,779	44,072	28,487	0	173,633	237,692	62,893	-11,270	3,612,749	23.53%	0	1,041,777	499,767	9,297	9,407
13		26	315,405	83,379	4,779	44,414	27,683	0	155,150	235,315	78,706	-4,348	3,691,455	24.04%	0	1,041,777	493,078	9,537	9,415
14		35	408,105	85,237	4,779	44,414	28,929	0	244,746	235,315	-9,431	-4,711	3,682,025	23.98%	0	1,041,777	486,389	9,012	9,385
15	37		428,705	85,366	0	47,166	28,929	0	267,244	235,315	-31,928	-6,526	3,650,096	23.77%	0	1,041,777	479,700	10,300	
16	41		469,905	85,366	0	47,166	28,929	0	308,444	235,019	-73,425	-10,707	3,576,671	23.29%	0	1,041,777	473,011	10,300	
17	40		459,605	85,366	0	47,166	28,929	0	298,144	235,019	-63,125	-13,790	3,513,546	22.88%	0	1,041,777	466,322	10,300	
18	35		408,105	85,366	0	47,166	28,929	0	246,644	235,019	-11,625	-13,670	3,501,922	22.81%	0	1,041,777	459,633	10,300	
19	32		377,205	85,366	0	47,166	28,929	0	215,744	235,019	18,924	-11,955	3,520,846	22.93%	0	1,041,777	452,944	10,300	
20	31		366,905	85,366	0	47,166	28,929	0	205,444	235,019	29,037	-9,905	3,549,883	23.12%	0	1,041,777	446,255	10,300	
21	34		397,805	85,366	0	47,166	28,929	0	236,344	235,019	-1,325	-9,496	3,548,558	23.11%	0	1,041,777	439,566	10,300	
22	36		418,405	85,366	0	47,166	28,929	0	256,944	235,019	-21,925	-10,061	3,526,633	22.97%	0	1,041,777	432,877	10,300	
23	30		356,605	85,366	0	47,166	28,929	0	195,144	235,019	39,149	-7,922	3,565,782	23.22%	0	1,041,777	426,188	10,300	
24	28		336,005	85,366	0	47,166	28,929	0	174,544	235,019	59,374	-5,118	3,625,157	23.61%	0	1,041,777	419,499	10,300	
25			N/A	85,366	0	47,166	28,929	0	N/A	235,019	N/A	N/A	N/A	N/A	0	N/A	N/A	10,300	
26			N/A	85,366	0	47,166	28,929	0	N/A	235,019	N/A	N/A	N/A	N/A	0	N/A	N/A	10,300	
27			N/A	85,366	0	47,166	28,929	0	N/A	235,019	N/A	N/A	N/A	N/A	0	N/A	N/A	10,300	
28			N/A	85,366	0	47,166	28,929	0	N/A	235,019	N/A	N/A	N/A	N/A	0	N/A	N/A	10,300	
29			N/A	85,366	0	47,166	28,929	0	N/A	235,019	N/A	N/A	N/A	N/A	0	N/A	N/A	10,300	
30			N/A	85,366	0	47,166	28,929	0	N/A	235,019	N/A	N/A	N/A	N/A	0	N/A	N/A	10,300	
31			N/A	85,366	0	47,166	28,929	0	N/A	235,019	N/A	N/A	N/A	N/A	0	N/A	N/A	10,300	
Totals		825	9,640,020	2,633,942	76,464	1,414,536	896,059	0	5,749,246	7,284,273	-122,826		3,625,157		0				

Base/Day 47605

Normal Average HDD's/Day 39.2903

EOM Target 2,277,691

Actual HDD's/Day 39.2857

Normal HDD's for January 1218

WNG 2000/2001 Winter Withdrawal Schedule - TSS
Missouri Gas Energy
2/1/2001 17:38

Contract	SA00014	Zone	MKT
Rate Schedule	TSS	Market Fuel %	0.00
MSQ (Dm)	15,178,829	Injection Fuel %	0.00
MBE (Dm)	Variable	Withdrawal Fuel %	0
MDWO (Dm)	459,843	10/31 Balance	15,593,505 Includes ISS

ORIGINAL PLAN			UPDATED PLAN			
Month	Day	Balance	Month	Day	Balance	
November	4,000,000	133,333	11,593,505	5,627,352	187,578	9,966,153
December	2,849,985	91,935	8,743,520	6,218,170	200,586	3,747,983
January	2,849,985	91,935	5,893,535	-31,553	-1,018	3,779,536
February	2,558,612	91,379	3,334,923	1,237,582	44,199	2,541,954
March	2,097,341	67,656	1,237,582	2,097,341	67,656	444,613

Note: Above Volumes are Exclusive of Fuel

Includes withdrawals of 2,237,582 for February and transfer of 1 Bcf from FSS storage at EOM

Withdrawal Month	End-Of-Month Balance	Percent of MSQ
November	9,966,153	65.68%
December	3,747,983	24.70%
January	3,779,536	24.91%
February	2,541,954	16.75%
March	444,613	2.93%

X. February 16th

Ken Hubbard

From: David Twichell
To: Brenda Trombetta; Ken Hubbard; Liz Smith; Mark Homestead
Cc: Mike Langston
Subject: March 2001 Supply/Demand Summary
Date: Friday, February 16, 2001 2:58PM
Priority: High

<<File Attachment: SD2001MA.XLS>>

Attached is the final SD Summary for March 2001. Williams supply at points other than Echo has been left 25,000 Dth/day short to accommodate warmer than normal weather should it occur. Conversely, should normal or colder than normal weather occur, there is the possibility we may have to purchase gas intra-month. Please call if you have any questions.

Thanks,

D. Twichell

MISSOURI GAS ENERGY

SUPPLY / DEMAND SUMMARY
March 2001 - Final

March Demand

8,448,472 Monthly Total
272,531 Daily Average
691 HDD's

PDP = 896105 Dth of 59 HDD's

WGPC CUSTOMER DEMAND

WGPC TSS STORAGE INJECTION (+)/WITHDRAWAL (-)
WGPC FSS STORAGE INJECTION (+)/WITHDRAWAL (-)
SUB-TOTAL WGPC DEMAND

Storage With Nominate 0 (Zero)
PRD Available 208,513

PEPL CUSTOMER DEMAND

PEPL STORAGE INJECTION (+)/WITHDRAWAL (-)
SUB-TOTAL PEPL DEMAND

Avg (3980 OS, 4592 WB, 2000 BL, 1000 KC)
Storage With Nominate 4181 Dth/d

PEPL @ PONY EXPRESS

SUB-TOTAL PEPL @ PONY EXPRESS

Delivered 107th & Elm

FXP CUSTOMER DEMAND

SUB-TOTAL PONY DEMAND

Delivered 107th & Elm

FXP @ WGPC GLAYIN

SUB-TOTAL FXP @ WGPC GLAYIN

Delivered WGPC KC Meters

KPC CUSTOMER DEMAND

SUB-TOTAL KPC DEMAND

GRAND TOTAL ALL DEMAND (COMPARE TO TOTAL SUPPLY)

MMBTU PER DAY	FUEL MMBTU PER DAY	TOTAL DAILY
200,967	4,514	144,366
-61,115	0	0
0	0	0
139,852	4,514	144,366
11,572	161	7,613
-4,120	0	0
7,452	161	7,613
0	0	0
0	0	0
49,000	1,672	50,672
49,000	1,672	50,672
5,992	277	6,269
5,992	277	6,269
5,000	186	5,186
5,000	186	5,186
207,296	6,810	214,106

ASSIGNED TERM SUPPLIES

31
REASON

AMOCO ENERGY TRADING - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ ECHO SPRINGS
OXY USA, INC - T/S @ WILLIAMS PRODUCTION POINTS

GP 30002
GP 30003
GP 30003

SUB-TOTAL ASSIGNED TERM SUPPLIES

MINIMUMS/D	MAXIMUMS/D	PLAND
0	0	17,808
0	0	15,000
0	0	22,500
0	0	55,308

ONEOK TERM SUPPLIES

ONEOK @ FXP CHEYENNE

SUB-TOTAL ONEOK TERM SUPPLIES

0	0	1,000
0	0	1,000

DUKE TERM SUPPLIES

WILLIAMS @ ECHO SPRINGS
PONY EXPRESS @ CHEYENNE
WILLIAMS
PANHANDLE
KANSAS PIPELINE
PONY EXPRESS @ MIAMI

Includes deliveries to KGS @ WNG Point 24280

SUB-TOTAL DUKE TERM SUPPLIES

0	0	25,535
0	0	55,941
0	0	38,523
0	0	7,613
0	0	5,186
0	0	0
0	0	132,798

GRAND TOTAL ALL SUPPLIES (COMPARE TO TOTAL DEMAND)

TOTAL SUPPLY LESS TOTAL DEMAND OVERSUPPLIED (+) / UNDERSUPPLIED (-)

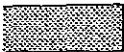
Delivery To Kansas Gas Service

@ WNG Point 24280, Topeka, 25,000 Dth/Mo.

806

Echm. Name Capacity (Includes Production Fund)	
Amoco	17,808
Oxy	15,000
Duke	25,535
	0
	0
	0
	0
Total Supply	58,343
Total Remaining	0

WNG PEAK DAY REQUIREMENT (Net of Fund)	
WNG FULL TRANSPORT	737,626
LESS MAX STORAGE WITHDRAWAL	-493,813
FLOWING GAS NEEDS	243,813
WNG NOMINATED	-115,634
	0
	0
	0
PEAK DAY NEEDS	129,179



TOTAL
MONTHLY

4,475,346
0
0
4,475,346

236,003
0
236,003

0
0

1,570,832
1,570,832

194,339
194,339

160,766
160,766

6,637,286

PLAN/MO

552,048
465,000
697,500

1,714,548

31,000

31,000

791,585
1,734,171
1,194,213
236,003
160,766
0

4,116,738

5,862,286

-775,000

25,000

XI. March 8th through 31st

MGE March 2001 Incremental Volumes and Prices

<u>Date</u>	<u>Volume</u>	<u>Price</u>	<u>Price Calculation</u>	<u>Pipeline</u>
3/8/01	20,000	\$5.2836	102% of WNG GDD	Williams
3/9/01	20,000	\$5.3142	102% of WNG GDD	Williams
3/10/01	20,000	\$5.1918	102% of WNG GDD	Williams
3/11/01	20,000	\$5.1918	102% of WNG GDD	Williams
3/12/01	20,000	\$5.1918	102% of WNG GDD	Williams
3/13/01	30,000	\$5.0439	102% of WNG GDD	Williams
3/14/01	30,000	\$5.1510	102% of WNG GDD	Williams
3/15/01	30,000	\$5.0643	102% of WNG GDD	Williams
3/16/01	30,000	\$5.0235	102% of WNG GDD	Williams
3/17/01	30,000	\$5.0745	102% of WNG GDD	Williams
3/18/01	30,000	\$5.0745	102% of WNG GDD	Williams
3/19/01	30,000	\$5.0745	102% of WNG GDD	Williams
3/20/01	30,000	\$5.1508	102% of WNG GDD	Williams
3/21/01	30,000	\$5.0847	102% of WNG GDD	Williams
3/22/01	30,000	\$5.1714	102% of WNG GDD	Williams
3/23/01	30,000	\$5.0370	102% of WNG GDD	Williams
3/24/01	30,000	\$5.2479	102% of WNG GDD	Williams
3/25/01	30,000	\$5.2479	102% of WNG GDD	Williams
3/26/01	30,000	\$5.2479	102% of WNG GDD	Williams
3/27/01	30,000	\$5.2530	102% of WNG GDD	Williams
3/28/01	30,000	\$5.4570	102% of WNG GDD	Williams
3/29/01	30,000	\$5.6100	102% of WNG GDD	Williams
3/30/01	30,000	\$5.3601	102% of WNG GDD	Williams
3/31/01	30,000	\$5.3040	102% of WNG GDD	Williams
TOTAL	<u>670,000</u>			

Liz Smith

From: Ken Hubbard
To: Brenda Trombetta; David Twichell; Liz Smith; Sandy Ready
Subject: RE: MGE Incremental Gas - March
Date: Friday, March 09, 2001 9:59AM

I have asked Mark to increase our incremental gas from 20,000 per day to 30,000 per day after discussion with Mike this morning. Mark said he will begin the 30,000 on Tuesday. Let's take another close look at this on Monday. I will be out of the office beginning Tuesday morning at 10 am thru Friday. Thanks.

From: Ken Hubbard
To: Brenda Trombetta; Liz Smith; David Twichell
Subject: MGE Incremental Gas - March
Date: Tuesday, March 06, 2001 1:19PM

I have asked Mark Homestead for additional supply of 20,000 per day delivered into Williams beginning on Thursday. He will be trading for the gas in the morning and should provide scheduling information between 8am and 9:30am in the morning (Wednesday).

We will need to evaluate our situation again next week (Monday or Tuesday morning) to see if additional supply is needed. When will the final storage number be available from February?

I will be out of the office next week beginning Tuesday afternoon until the end of the week subject to change at a moments notice. The following week I will potentially be out of the office Monday thru Thursday.

*20,000 / Day 3/8 - 3/12 = 100,000
30,000 / Day 3/13 - 3/31 = 570,000*

Liz Smith

From: Ken Hubbard
To: Liz Smith
Subject: RE: MGE Incremental Gas - March
Date: Thursday, March 08, 2001 9:26AM

No, It will be at the contractual Call Option price which is 102% of Gas Daily ???? if I remember correctly. Let's take a look at the contract and see if we can figure out where we need to go to confirm the pricing.

From: Liz Smith
To: Ken Hubbard
Subject: RE: MGE Incremental Gas - March
Date: Thursday, March 08, 2001 8:19AM

Will this additional supply be at a fixed price? I haven't received a confirmation yet from Duke with any info.

Thanks,
Liz

From: Ken Hubbard
To: Brenda Trombetta; David Twichell; Liz Smith
Subject: MGE Incremental Gas - March
Date: Tuesday, March 06, 2001 1:19PM

I have asked Mark Homestead for additional supply of 20,000 per day delivered into Williams beginning on Thursday. He will be trading for the gas in the morning and should provide scheduling information between 8am and 9:30am in the morning (Wednesday).

We will need to evaluate our situation again next week (Monday or Tuesday morning) to see if additional supply is needed. When will the final storage number be available from February?

I will be out of the office next week beginning Tuesday afternoon until the end of the week subject to change at a moments notice. The following week I will potentially be out of the office Monday thru Thursday.

3/6 Supply Analysis
Met w/ Mike
add 20,000
per day

Estimated TSS Storage Balance 2/28/2001

2,200,249

Draft

Copy

3/5 2:45 PM

31	Forecast	actual	Forecast	KN @	KN @	Served	Served	Off	WNG	WNG	TSS	TSS	TSS	TSS	FSS	FSS	PEPL/WS		Cumulative
Mar-01	HDD's	HDD's	Demand	107th & Elm	Glavin (WNG) After Fuel	KPOC	PEPL	System Sales	Obligation	Flowing	Daily With(-)/In(+)	Average With(-)/In(+)	Storage Balance	% OF MSQ	Daily With(-)/In(+)	Storage Balance	Storage Balance	Heat/HDD	Heat/HDD
1		32	345,205	55,131	0	15,801	11,838	0	262,435	112,547	-149,888	-149,888	2,050,361	13.35%	0	41,777	194,563	10,074	10,074
2		33	354,505	55,346	0	15,808	11,813	0	271,538	112,547	-158,991	-154,439	1,891,370	12.32%	0	41,777	190,382	8,545	9,298
3		27	298,705	54,985	0	15,854	12,317	0	215,549	112,547	-103,002	-137,294	1,788,368	11.65%	0	41,777	186,201	8,954	9,197
4		28	308,005	55,207	0	15,836	11,590	0	225,372	112,547	-112,825	-131,176	1,675,544	10.91%	0	41,777	182,020	9,754	9,327
5	36		382,405	55,062	0	4,999	11,590	0	310,754	112,547	-198,207	-144,583	1,477,336	9.62%	0	41,777	177,839	9,300	
6	30		326,605	55,062	0	4,999	11,590	0	254,954	112,547	-142,407	-144,220	1,334,929	8.69%	0	41,777	173,658	9,300	
7	32		345,205	55,062	0	4,999	11,590	0	273,554	112,547	-161,007	-146,618	1,173,922	7.64%	0	41,777	169,477	9,300	
8	30		326,605	55,062	0	4,999	11,590	0	254,954	112,547	-142,407	-146,092	1,031,515	6.72%	0	41,777	165,296	9,300	
9	25		280,105	55,062	0	4,999	11,590	0	208,454	112,547	-95,907	-140,516	935,608	6.09%	0	41,777	161,115	9,300	
10	23		261,505	55,062	0	4,999	11,590	0	189,854	112,547	-77,307	-134,195	858,301	5.59%	0	41,777	156,934	9,300	
11	20		233,605	55,062	0	4,999	11,590	0	161,954	112,547	-49,407	-126,487	808,894	5.27%	0	41,777	152,753	9,300	
12	20		233,605	55,062	0	4,999	11,590	0	161,954	112,547	-49,407	-120,064	759,486	4.95%	0	41,777	148,572	9,300	
13	20		233,605	55,062	0	4,999	11,590	0	161,954	112,547	-49,407	-114,628	710,079	4.62%	0	41,777	144,391	9,300	
14	20		233,605	55,062	0	4,999	11,590	0	161,954	112,547	-49,407	-109,970	660,672	4.30%	0	41,777	140,210	9,300	
15	22		254,902	55,062	0	4,999	11,590	0	183,251	112,547	-70,704	-107,352	589,968	3.84%	0	41,777	136,029	9,300	
16	22		254,902	55,062	0	4,999	11,590	0	183,251	112,547	-70,704	-105,062	519,264	3.38%	0	41,777	131,848	9,300	
17	22		254,902	55,062	0	4,999	11,590	0	183,251	112,547	-70,704	-103,041	448,560	2.92%	0	41,777	127,667	9,300	
18	22		254,902	55,062	0	4,999	11,590	0	183,251	112,547	-70,704	-101,244	377,856	2.46%	0	41,777	123,486	9,300	
19	22		254,902	55,062	0	4,999	11,590	0	183,251	112,547	-70,704	-99,637	307,152	2.00%	0	41,777	119,305	9,300	
20	22		254,902	55,062	0	4,999	11,590	0	183,251	112,547	-70,704	-98,190	236,447	1.54%	0	41,777	115,124	9,300	
21	22		254,902	55,062	0	4,999	11,590	0	183,251	112,547	-70,704	-96,881	165,743	1.08%	0	41,777	110,943	9,300	
22	22		254,902	55,062	0	4,999	11,590	0	183,251	112,547	-70,704	-95,691	95,039	0.62%	0	41,777	106,762	9,300	
23	22		254,902	55,062	0	4,999	11,590	0	183,251	112,547	-70,704	-94,605	24,335	0.16%	0	41,777	102,581	9,300	
24	22		254,902	55,062	0	4,999	11,590	0	183,251	112,547	-70,704	-93,609	-46,369	-0.30%	0	41,777	98,400	9,300	
25	22		254,902	55,062	0	4,999	11,590	0	183,251	112,547	-70,704	-92,693	-117,073	-0.76%	0	41,777	94,219	9,300	
26	22		254,902	55,062	0	4,999	11,590	0	183,251	112,547	-70,704	-91,847	-187,777	-1.22%	0	41,777	90,038	9,300	
27	22		254,902	55,062	0	4,999	11,590	0	183,251	112,547	-70,704	-91,064	-258,482	-1.68%	0	41,777	85,857	9,300	
28	22		254,902	55,062	0	4,999	11,590	0	183,251	112,547	-70,704	-90,337	-329,186	-2.14%	0	41,777	81,676	9,300	
29	22		254,902	55,062	0	4,999	11,590	0	183,251	112,547	-70,704	-89,660	-399,890	-2.60%	0	41,777	77,495	9,300	
30	22		254,902	55,062	0	4,999	11,590	0	183,251	112,547	-70,704	-89,028	-470,594	-3.06%	0	41,777	73,314	9,300	
31	22		254,902	55,062	0	4,999	11,590	0	183,251	112,547	-70,704	-88,437	-541,298	-3.53%	0	41,777	69,133	9,300	
Totals		755	8,496,604	1,707,342	0	198,266	360,488	0	6,230,508	3,488,961	-2,741,547		-541,298		0				

54

Base/Day 47605

Normal Average HDD's/Day 22.2903

EOM Target 500,000

actual HDD's/Day 24.3526

Normal HDD's for January 691

Williams Natural Gas Storage Analysis
March 2001 Estimates
Based on 9AM to 9AM Gas Day
All Volumes in Dth

Estimated TSS Storage Balance 2/28/2001

2,200,249

3/8 5:17 PM

3/a Adjust to 30,000/day on 2/13/01

11 Mar-01	Forecast HDD's	actual HDD's	Forecast Demand	KN @ 107th & Elm	KN @ Glavin (WNG) After Fuel	Served KPOC	Served PEPL	Off System Sales	WNG Obligatio	WNG Flowing	TSS Daily With(-)/In(+)	TSS Average With(-)/In(+)	TSS Storage Balance	TSS % OF MSQ	FSS Daily With(-)/In(+)	FSS Storage Balance	PEPL/WS Storage Balance	Heat/HDD	Cumulative Heat/HDD
1		32	345,205	55,131	0	15,801	11,838	0	262,435	112,547	-149,888	-149,888	2,050,361	13.35%	0	41,777	194,563	10,074	10,074
2		33	354,505	55,346	0	15,808	11,813	0	271,538	112,547	-158,991	-154,439	1,891,370	12.32%	0	41,777	190,382	8,545	9,298
3		27	298,705	54,985	0	15,854	12,317	0	215,549	112,547	-103,002	-137,294	1,788,368	11.65%	0	41,777	186,201	8,954	9,197
4		28	308,005	55,207	0	15,836	11,741	0	225,221	112,547	-112,674	-131,139	1,675,695	10.91%	0	41,777	182,020	9,754	9,327
5		32	345,205	55,215	0	15,834	11,590	0	262,566	112,547	-150,019	-134,915	1,525,676	9.94%	0	41,777	177,839	9,287	9,318
6		31	335,905	55,344	0	15,833	11,590	0	253,138	112,547	-140,591	-135,861	1,385,085	9.02%	0	41,777	173,658	8,231	9,134
7		31	335,905	57,144	0	15,826	11,590	0	251,345	112,547	-138,798	-136,280	1,246,287	8.12%	0	41,777	169,477	7,986	8,968
8	31		335,905	55,062	0	4,999	11,590	0	264,254	131,922	-132,333	-135,787	1,113,954	7.25%	0	41,777	165,296	9,300	
9	21		242,905	55,062	0	4,999	11,590	0	171,254	131,922	-39,333	-125,070	1,074,622	7.00%	0	41,777	161,115	9,300	
10	22		252,205	55,062	0	4,999	11,590	0	180,554	131,922	-48,633	-117,426	1,025,989	6.68%	0	41,777	156,934	9,300	
11	25		280,105	55,062	0	4,999	11,590	0	208,454	131,922	-76,533	-113,708	949,457	6.18%	0	41,777	152,753	9,300	
12	23		261,505	55,062	0	4,999	11,590	0	189,854	141,609	-48,245	-108,253	901,212	5.87%	0	41,777	148,572	9,300	
13	23		261,505	55,062	0	4,999	11,590	0	189,854	141,609	-48,245	-103,637	852,966	5.55%	0	41,777	144,391	9,300	
14	23		261,505	55,062	0	4,999	11,590	0	189,854	141,609	-48,245	-99,681	804,721	5.24%	0	41,777	140,210	9,300	
15	30		326,605	55,062	0	4,999	11,590	0	254,954	141,609	-113,345	-100,592	691,376	4.50%	0	41,777	136,029	9,300	
16	27		298,705	55,062	0	4,999	11,590	0	227,054	141,609	-85,445	-99,645	605,931	3.95%	0	41,777	131,848	9,300	
17	25		280,105	55,062	0	4,999	11,590	0	208,454	141,609	-66,845	-97,715	539,086	3.51%	0	41,777	127,667	9,300	
18	18		215,005	55,062	0	4,999	11,590	0	143,354	141,609	-1,745	-92,384	537,340	3.50%	0	41,777	123,486	9,300	
19	18		215,005	55,062	0	4,999	11,590	0	143,354	141,609	-1,745	-87,613	535,595	3.49%	0	41,777	119,305	9,300	
20	18		215,005	55,062	0	4,999	11,590	0	143,354	141,609	-1,745	-83,320	533,850	3.48%	0	41,777	115,124	9,300	
21	18		215,005	55,062	0	4,999	11,590	0	143,354	141,609	-1,745	-79,435	532,105	3.47%	0	41,777	110,943	9,300	
22	18		215,005	55,062	0	4,999	11,590	0	143,354	141,609	-1,745	-75,904	530,360	3.45%	0	41,777	106,762	9,300	
23	18		215,005	55,062	0	4,999	11,590	0	143,354	141,609	-1,745	-72,680	528,614	3.44%	0	41,777	102,581	9,300	
24	18		215,005	55,062	0	4,999	11,590	0	143,354	141,609	-1,745	-69,724	526,869	3.43%	0	41,777	98,400	9,300	
25	18		215,005	55,062	0	4,999	11,590	0	143,354	141,609	-1,745	-67,005	525,124	3.42%	0	41,777	94,219	9,300	
26	18		215,005	55,062	0	4,999	11,590	0	143,354	141,609	-1,745	-64,495	523,379	3.41%	0	41,777	90,038	9,300	
27	18		215,005	55,062	0	4,999	11,590	0	143,354	141,609	-1,745	-62,171	521,634	3.40%	0	41,777	85,857	9,300	
28	18		215,005	55,062	0	4,999	11,590	0	143,354	141,609	-1,745	-60,013	519,888	3.39%	0	41,777	81,676	9,300	
29	18		215,005	55,062	0	4,999	11,590	0	143,354	141,609	-1,745	-58,004	518,143	3.37%	0	41,777	77,495	9,300	
30	18		215,005	55,062	0	4,999	11,590	0	143,354	141,609	-1,745	-56,128	516,398	3.36%	0	41,777	73,314	9,300	
31	18		215,005	55,062	0	4,999	11,590	0	143,354	141,609	-1,745	-54,374	514,653	3.35%	0	41,777	69,133	9,300	
Totals		716	8,134,555	1,709,859	0	230,763	360,639	0	5,833,294	4,147,698	-1,685,596		514,653		0				

Base/Day 47605

Normal Average HDD's/Day 22.2903

EOM Target 500,000

actual HDD's/Day 65.0909

Normal HDD's for January 691

Williams Nat'l Storage Analysis
March 2001
Based on 9AM to 9AM Gas Day
All Volumes in Dth

Actual TSS Storage Balance 2/28/2001

2,515,613

*Analgoi's
Increment Gas*

3/19 7:31

24 Mar-01	Forecast HDD's	actual HDD's	Forecast Demand	KN @ 107th & Elm	KN @ Glavin (WNG) After Fuel	Served KPOC	Served PEPL	Off System Sales	WNG Obligation	WNG Flowing	TSS Daily With(-)/In(+)	TSS Average With(-)/In(+)	TSS Storage Balance	TSS % OF MSQ	FSS Daily With(-)/In(+)	FSS Storage Balance	PEPLAWS Storage Balance	Heat/HDD	Cumulativ Heat/HDD
1		32	345,205	55,131	0	4,975	11,838	0	273,261	112,547	-160,714	-160,714	2,354,899	15.34%	0	41,777	194,563	10,032	10,032
2		33	354,505	55,346	0	4,982	11,813	0	282,364	112,547	-169,817	-165,265	2,185,082	14.23%	0	41,777	190,382	8,524	9,266
3		27	298,705	54,985	0	5,028	12,317	0	226,375	112,547	-113,828	-148,120	2,071,254	13.49%	0	41,777	186,201	8,933	9,169
4		28	308,005	55,207	0	5,010	11,741	0	236,047	112,547	-123,500	-141,965	1,947,755	12.68%	0	41,777	182,020	9,748	9,304
5		32	345,205	55,215	0	5,008	11,672	0	273,310	112,547	-160,763	-145,724	1,786,992	11.64%	0	41,777	177,839	9,285	9,300
6		31	335,905	55,344	0	5,007	11,626	0	263,928	112,547	-151,381	-146,667	1,635,611	10.65%	0	41,777	173,658	8,224	9,118
7		31	335,905	57,144	0	5,000	11,140	0	262,621	112,547	-150,074	-147,154	1,485,537	9.67%	0	41,777	169,477	7,983	8,953
8		33	354,505	55,066	0	5,010	11,436	0	282,993	131,922	-151,071	-147,643	1,334,466	8.69%	0	41,777	165,296	7,968	8,822
9		26	289,405	55,078	0	4,467	11,952	0	217,908	131,922	-85,986	-140,793	1,248,479	8.13%	0	41,777	161,115	8,442	8,785
10		16	196,405	55,195	0	5,017	12,022	0	124,171	131,922	7,610	-125,952	1,256,089	8.18%	0	41,777	156,934	9,953	8,850
11		22	252,205	55,168	0	5,008	13,091	0	178,938	131,922	-47,016	-118,776	1,209,073	7.87%	0	41,777	152,753	8,511	8,826
12		23	261,505	55,111	0	5,001	12,667	0	188,726	131,922	-56,804	-113,612	1,152,269	7.50%	0	41,777	148,572	7,899	8,762
13		15	187,105	55,134	0	4,975	11,222	0	115,774	141,609	25,365	-102,922	1,177,633	7.67%	0	41,777	144,391	8,521	8,752
14		7	112,705	55,197	0	5,013	10,753	0	41,742	141,609	98,049	-88,566	1,275,683	8.31%	0	41,777	140,210	11,174	8,799
15		27	298,705	55,179	0	4,982	11,300	0	227,244	141,609	-85,635	-88,371	1,190,048	7.75%	0	41,777	136,029	9,665	8,860
16		33	354,505	55,163	0	5,008	13,920	0	280,414	141,609	-138,805	-91,523	1,051,243	6.85%	0	41,777	131,848	9,479	8,910
17		29	317,305	55,106	0	5,007	12,844	0	244,348	141,609	-102,739	-92,183	948,504	6.18%	0	41,777	127,667	8,258	8,867
18	23		261,505	55,062	0	4,999	11,590	0	189,854	141,609	-48,245	-89,742	900,259	5.86%	0	41,777	123,486	9,300	
19	24		270,805	55,062	0	4,999	11,590	0	199,154	141,609	-57,545	-88,047	842,714	5.49%	0	41,777	119,305	9,300	
20	16		196,405	55,062	0	4,999	11,590	0	124,754	112,547	-12,207	-84,255	830,507	5.41%	0	41,777	115,124	9,300	
21	17		205,705	55,062	0	4,999	11,590	0	134,054	112,547	-21,507	-81,267	808,999	5.27%	0	41,777	110,943	9,300	
22	21		242,905	55,062	0	4,999	11,590	0	171,254	112,547	-58,707	-80,242	750,292	4.89%	0	41,777	106,762	9,300	
23	24		270,805	55,062	0	4,999	11,590	0	199,154	112,547	-86,607	-80,519	663,685	4.32%	0	41,777	102,581	9,300	
24	21		242,905	55,062	0	4,999	11,590	0	171,254	112,547	-58,707	-79,610	604,978	3.94%	0	41,777	98,400	9,300	
25	19		224,305	55,062	0	4,999	11,590	0	152,654	112,547	-40,107	-78,030	564,871	3.68%	0	41,777	94,219	9,300	
26	26		289,405	55,062	0	4,999	11,590	0	217,754	112,547	-105,207	-79,075	459,664	2.99%	0	41,777	90,038	9,300	
27	24		270,805	55,062	0	4,999	11,590	0	199,154	112,547	-86,607	-79,354	373,057	2.43%	0	41,777	85,857	9,300	
28	18		215,005	55,062	0	4,999	11,590	0	143,354	112,547	-30,807	-77,620	342,250	2.23%	0	41,777	81,676	9,300	
29	18		215,005	55,062	0	4,999	11,590	0	143,354	112,547	-30,807	-76,006	311,442	2.03%	0	41,777	77,495	9,300	
30	18		215,005	55,062	0	4,999	11,590	0	143,354	112,547	-30,807	-74,499	280,635	1.83%	0	41,777	73,314	9,300	
31	18		215,005	55,062	0	4,999	11,590	0	143,354	112,547	-30,807	-73,090	249,828	1.63%	0	41,777	69,133	9,300	
Totals		732	8,283,355	1,710,636	0	154,481	365,614	0	6,052,624	3,789,268	-2,265,785		249,828		0				

Base/Day 47605

Normal Average HDD's/Day 22,2903

actual HDD's/Day 30,5000

Normal HDD's for January 691

EOM Target 500,000

noted

Actual TSS Storage Balance 2/28/2001

2,515,613

3/19 7:36 AM

24 Mar-01	Forecast HDD's	actual HDD's	Forecast Demand	KN @ 107th & Elm	KN @ Glavin (WNG) After Fuel	Served KPOC	Served PEPL	Off System Sales	WNG Obligation	WNG Flowing	TSS Daily With(-)/In(+)	TSS Average With(-)/In(+)	TSS Storage Balance	TSS % OF MSQ	FSS Daily With(-)/In(+)	FSS Storage Balance	PEPL/WS Storage Balance	Heat/HDD	Cumulative Heat/HD
1		32	345,205	55,131	0	4,975	11,838	0	273,261	112,547	-160,714	-160,714	2,354,899	15.34%	0	41,777	194,563	10,032	10,032
2		33	354,505	55,346	0	4,982	11,813	0	282,364	112,547	-169,817	-165,265	2,185,082	14.23%	0	41,777	190,382	8,524	9,266
3		27	298,705	54,985	0	5,028	12,317	0	226,375	112,547	-113,828	-148,120	2,071,254	13.49%	0	41,777	186,201	8,933	9,169
4		28	308,005	55,207	0	5,010	11,741	0	236,047	112,547	-123,500	-141,965	1,947,755	12.68%	0	41,777	182,020	9,748	9,304
5		32	345,205	55,215	0	5,008	11,672	0	273,310	112,547	-160,763	-145,724	1,786,992	11.64%	0	41,777	177,839	9,285	9,300
6		31	335,905	55,344	0	5,007	11,626	0	263,928	112,547	-151,381	-146,667	1,635,611	10.65%	0	41,777	173,658	8,224	9,118
7		31	335,905	57,144	0	5,000	11,140	0	262,621	112,547	-150,074	-147,154	1,485,537	9.67%	0	41,777	169,477	7,983	8,953
8		33	354,505	55,066	0	5,010	11,436	0	282,993	131,922	-151,071	-147,643	1,334,466	8.69%	0	41,777	165,296	7,968	8,822
9		26	289,405	55,078	0	4,467	11,952	0	217,908	131,922	-85,986	-140,793	1,248,479	8.13%	0	41,777	161,115	8,442	8,785
10		16	196,405	55,195	0	5,017	12,022	0	124,171	131,922	7,610	-125,952	1,256,089	8.18%	0	41,777	156,934	9,953	8,850
11		22	252,205	55,168	0	5,008	13,091	0	178,938	131,922	-47,016	-118,776	1,209,073	7.87%	0	41,777	152,753	8,511	8,826
12		23	261,505	55,111	0	5,001	12,667	0	188,726	131,922	-56,804	-113,612	1,152,269	7.50%	0	41,777	148,572	7,899	8,762
13		15	187,105	55,134	0	4,975	11,222	0	115,774	141,609	25,365	-102,922	1,177,633	7.67%	0	41,777	144,391	8,521	8,752
14		7	112,705	55,197	0	5,013	10,753	0	41,742	141,609	98,049	-88,566	1,275,683	8.31%	0	41,777	140,210	11,174	8,799
15		27	298,705	55,179	0	4,982	11,300	0	227,244	141,609	-85,635	-88,371	1,190,048	7.75%	0	41,777	136,029	9,665	8,860
16		33	354,505	55,163	0	5,008	13,920	0	280,414	141,609	-138,805	-91,523	1,051,243	6.85%	0	41,777	131,848	9,479	8,910
17		29	317,305	55,106	0	5,007	12,844	0	244,348	141,609	-102,739	-92,183	948,504	6.18%	0	41,777	127,667	8,258	8,867
18	23		261,505	55,062	0	4,999	11,590	0	189,854	141,609	-48,245	-89,742	900,259	5.86%	0	41,777	123,486	9,300	
19	24		270,805	55,062	0	4,999	11,590	0	199,154	141,609	-57,545	-88,047	842,714	5.49%	0	41,777	119,305	9,300	
20	16		196,405	55,062	0	4,999	11,590	0	124,754	133,859	8,939	-83,198	851,653	5.55%	0	41,777	115,124	9,300	
21	17		205,705	55,062	0	4,999	11,590	0	134,054	133,859	-195	-79,245	851,458	5.54%	0	41,777	110,943	9,300	
22	21		242,905	55,062	0	4,999	11,590	0	171,254	133,859	-37,395	-77,343	814,063	5.30%	0	41,777	106,762	9,300	
23	24		270,805	55,062	0	4,999	11,590	0	199,154	133,859	-65,295	-76,819	748,768	4.88%	0	41,777	102,581	9,300	
24	21		242,905	55,062	0	4,999	11,590	0	171,254	133,859	-37,395	-75,177	711,373	4.63%	0	41,777	98,400	9,300	
25	19		224,305	55,062	0	4,999	11,590	0	152,654	133,859	-18,795	-72,921	692,578	4.51%	0	41,777	94,219	9,300	
26	26		289,405	55,062	0	4,999	11,590	0	217,754	133,859	-83,895	-73,343	608,683	3.96%	0	41,777	90,038	9,300	
27	24		270,805	55,062	0	4,999	11,590	0	199,154	133,859	-65,295	-73,045	543,388	3.54%	0	41,777	85,857	9,300	
28	18		215,005	55,062	0	4,999	11,590	0	143,354	133,859	-9,495	-70,776	533,892	3.48%	0	41,777	81,676	9,300	
29	18		215,005	55,062	0	4,999	11,590	0	143,354	133,859	-9,495	-68,663	524,397	3.41%	0	41,777	77,495	9,300	
30	18		215,005	55,062	0	4,999	11,590	0	143,354	133,859	-9,495	-66,690	514,902	3.35%	0	41,777	73,314	9,300	
31	18		215,005	55,062	0	4,999	11,590	0	143,354	133,859	-9,495	-64,845	505,407	3.29%	0	41,777	69,133	9,300	
Totals		732	8,283,355	1,710,636	0	154,481	365,614	0	6,052,624	4,045,013	-2,010,206		505,407		0				

Base/Day 47605

Normal Average HDD's/Day 12.1903

actual HDD's/Day 30.5000

Normal HDD's for January 691

EOM Target 500,000

22000 additional

Williams Natural Gas Storage Analysis
 March 2001 Estimates
 Based on 9AM to 9AM Gas Day
 All Volumes in Dth

Actual TSS Storage Balance 2/28/2001

2,515,613

3/19 7:37 AM

24 Mar-01	Forecast HDD's	actual HDD's	Forecast Demand	KN @ 107th & Elm	KN @ Glavin (WNG) After Fuel	Served KPOC	Served PEPL	Off System Sales	WNG Obligation	WNG Flowing	TSS Daily With(-)/In(+)	TSS Average With(-)/In(+)	TSS Storage Balance	TSS % OF MSQ	FSS Daily With(-)/In(+)	FSS Storage Balance	PEPL/VS Storage Balance	Heat/HDD	Cumulative Heat/HDD
1		32	345,205	55,131	0	4,975	11,838	0	273,261	112,547	-160,714	-160,714	2,354,899	15.34%	0	41,777	194,563	10,032	9,032
2		33	354,505	55,346	0	4,982	11,813	0	282,364	112,547	-169,817	-165,265	2,185,082	14.23%	0	41,777	190,382	8,524	9,266
3		27	298,705	54,985	0	5,028	12,317	0	226,375	112,547	-113,828	-148,120	2,071,254	13.49%	0	41,777	186,201	8,933	9,169
4		28	308,005	55,207	0	5,010	11,741	0	236,047	112,547	-123,500	-141,965	1,947,755	12.68%	0	41,777	182,020	9,748	9,304
5		32	345,205	55,215	0	5,008	11,672	0	273,310	112,547	-160,763	-145,724	1,786,992	11.64%	0	41,777	177,839	9,285	9,300
6		31	335,905	55,344	0	5,007	11,626	0	263,928	112,547	-151,381	-146,667	1,635,611	10.65%	0	41,777	173,658	8,224	9,118
7		31	335,905	57,144	0	5,000	11,140	0	262,621	112,547	-150,074	-147,154	1,485,537	9.67%	0	41,777	169,477	7,983	8,953
8		33	354,505	55,066	0	5,010	11,436	0	282,993	131,922	-151,071	-147,643	1,334,466	8.69%	0	41,777	165,296	7,968	8,822
9		26	289,405	55,078	0	4,467	11,952	0	217,908	131,922	-85,986	-140,793	1,248,479	8.13%	0	41,777	161,115	8,442	8,785
10		16	196,405	55,195	0	5,017	12,022	0	124,171	131,922	7,610	-125,952	1,256,089	8.18%	0	41,777	156,934	9,953	8,850
11		22	252,205	55,168	0	5,008	13,091	0	178,938	131,922	-47,016	-118,776	1,209,073	7.87%	0	41,777	152,753	8,511	8,826
12		23	261,505	55,111	0	5,001	12,667	0	188,726	131,922	-56,804	-113,612	1,152,269	7.50%	0	41,777	148,572	7,899	8,762
13		15	187,105	55,134	0	4,975	11,222	0	115,774	141,609	25,365	-102,922	1,177,633	7.67%	0	41,777	144,391	8,521	8,752
14		7	112,705	55,197	0	5,013	10,753	0	41,742	141,609	98,049	-88,566	1,275,683	8.31%	0	41,777	140,210	11,174	8,799
15		27	298,705	55,179	0	4,982	11,300	0	227,244	141,609	-85,635	-88,371	1,190,048	7.75%	0	41,777	136,029	9,665	8,860
16		33	354,505	55,163	0	5,008	13,920	0	280,414	141,609	-138,805	-91,523	1,051,243	6.85%	0	41,777	131,848	9,479	8,910
17		29	317,305	55,106	0	5,007	12,844	0	244,348	141,609	-102,739	-92,183	948,504	6.18%	0	41,777	127,667	8,258	8,867
18	23		261,505	55,062	0	4,999	11,590	0	189,854	141,609	-48,245	-89,742	900,259	5.86%	0	41,777	123,486	9,300	
19	24		270,805	55,062	0	4,999	11,590	0	199,154	141,609	-57,545	-88,047	842,714	5.49%	0	41,777	119,305	9,300	
20	16		196,405	55,062	0	4,999	11,590	0	124,754	141,609	16,548	-82,818	859,262	5.60%	0	41,777	115,124	9,300	
21	17		205,705	55,062	0	4,999	11,590	0	134,054	141,609	7,417	-78,521	866,679	5.64%	0	41,777	110,943	9,300	
22	21		242,905	55,062	0	4,999	11,590	0	171,254	141,609	-29,645	-76,299	837,034	5.45%	0	41,777	106,762	9,300	
23	24		270,805	55,062	0	4,999	11,590	0	199,154	141,609	-57,545	-75,484	779,489	5.08%	0	41,777	102,581	9,300	
24	21		242,905	55,062	0	4,999	11,590	0	171,254	141,609	-29,645	-73,574	749,843	4.88%	0	41,777	98,400	9,300	
25	19		224,305	55,062	0	4,999	11,590	0	152,654	141,609	-11,045	-71,073	738,798	4.81%	0	41,777	94,219	9,300	
26	26		289,405	55,062	0	4,999	11,590	0	217,754	141,609	-76,145	-71,268	662,653	4.32%	0	41,777	90,038	9,300	
27	24		270,805	55,062	0	4,999	11,590	0	199,154	141,609	-57,545	-70,759	605,108	3.94%	0	41,777	85,857	9,300	
28	18		215,005	55,062	0	4,999	11,590	0	143,354	141,609	-1,745	-68,295	603,363	3.93%	0	41,777	81,676	9,300	
29	22		252,205	55,062	0	4,999	11,590	0	180,554	141,609	-38,945	-67,283	564,417	3.68%	0	41,777	77,495	9,300	
30	22		252,205	55,062	0	4,999	11,590	0	180,554	141,609	-38,945	-66,338	525,472	3.42%	0	41,777	73,314	9,300	
31	22		252,205	55,062	0	4,999	11,590	0	180,554	141,609	-38,945	-65,454	486,527	3.17%	0	41,777	69,133	9,300	
Totals		744	8,394,955	1,710,636	0	154,481	365,614	0	6,164,224	4,138,011	-2,029,086		486,527		0				

Base/Day 47605

Normal Average HDD's/Day 22.2903

actual HDD's/Day 31.0000

Normal HDD's for January 691

EOM Target 500,000

+30000

Actual TSS Storage Balance 2/28/2001

2,513,613

24 Mar-01	Forecast HDD's	actual HDD's	Forecast Demand	KN @ 107th & Elm	KN @ Glavin (WNG) After Fuel	Served KPOC	Served PEPL	Off System Sales	WNG Obligation	WNG Flowing	TSS Daily With(-)/Inj(+)	TSS Average With(-)/Inj(+)	TSS Storage Balance	TSS % OF MSQ	FSS Daily With(-)/Inj(+)	FSS Storage Balance	PEPL/WS Storage Balance	Heat/HDD	Cumulativ Heat/HDI
1		32	345,205	55,131	0	4,975	11,838	0	273,261	112,547	-160,714	-160,714	2,354,899	15.34%	0	41,777	194,563	10,032	9,032
2		33	354,505	55,346	0	4,982	11,813	0	282,364	112,547	-169,817	-165,265	2,185,082	14.23%	0	41,777	190,382	8,524	9,266
3		27	298,705	54,985	0	5,028	12,317	0	226,375	112,547	-113,828	-148,120	2,071,254	13.49%	0	41,777	186,201	8,933	9,169
4		28	308,005	55,207	0	5,010	11,741	0	236,047	112,547	-123,500	-141,965	1,947,755	12.68%	0	41,777	182,020	9,748	9,304
5		32	345,205	55,215	0	5,008	11,672	0	273,310	112,547	-160,763	-145,724	1,786,992	11.64%	0	41,777	177,839	9,285	9,300
6		31	335,905	55,344	0	5,007	11,626	0	263,928	112,547	-151,381	-146,667	1,635,611	10.65%	0	41,777	173,658	8,224	9,118
7		31	335,905	57,144	0	5,000	11,140	0	262,621	112,547	-150,074	-147,154	1,485,537	9.67%	0	41,777	169,477	7,983	8,953
8		33	354,505	55,066	0	5,010	11,436	0	282,993	131,922	-151,071	-147,643	1,334,466	8.69%	0	41,777	165,296	7,968	8,822
9		26	289,405	55,078	0	4,467	11,952	0	217,908	131,922	-85,986	-140,793	1,248,479	8.13%	0	41,777	161,115	8,442	8,785
10		16	196,405	55,195	0	5,017	12,022	0	124,171	131,922	7,610	-125,952	1,256,089	8.18%	0	41,777	156,934	9,953	8,850
11		22	252,205	55,168	0	5,008	13,091	0	178,938	131,922	-47,016	-118,776	1,209,073	7.87%	0	41,777	152,753	8,511	8,826
12		23	261,505	55,111	0	5,001	12,667	0	188,726	131,922	-56,804	-113,612	1,152,269	7.50%	0	41,777	148,572	7,899	8,762
13		15	187,105	55,134	0	4,975	11,222	0	115,774	141,609	25,365	-102,922	1,177,633	7.67%	0	41,777	144,391	8,521	8,752
14		7	112,705	55,197	0	5,013	10,753	0	41,742	141,609	98,049	-88,566	1,275,683	8.31%	0	41,777	140,210	11,174	8,799
15		27	298,705	55,179	0	4,982	11,300	0	227,244	141,609	-85,635	-88,371	1,190,048	7.75%	0	41,777	136,029	9,665	8,860
16		33	354,505	55,163	0	5,008	13,920	0	280,414	141,609	-138,805	-91,523	1,051,243	6.85%	0	41,777	131,848	9,479	8,910
17		29	317,305	55,106	0	5,007	12,844	0	244,348	141,609	-102,739	-92,183	948,504	6.18%	0	41,777	127,667	8,258	8,867
18	23		261,505	55,062	0	4,999	11,590	0	189,854	141,609	-48,245	-89,742	900,259	5.86%	0	41,777	123,486	9,300	
19	24		270,805	55,062	0	4,999	11,590	0	199,154	141,609	-57,545	-88,047	842,714	5.49%	0	41,777	119,305	9,300	
20	16		196,405	55,062	0	4,999	11,590	0	124,754	112,547	-12,207	-84,255	830,507	5.41%	0	41,777	115,124	9,300	
21	17		205,705	55,062	0	4,999	11,590	0	134,054	112,547	-21,507	-81,267	808,999	5.27%	0	41,777	110,943	9,300	
22	21		242,905	55,062	0	4,999	11,590	0	171,254	112,547	-58,707	-80,242	750,292	4.89%	0	41,777	106,762	9,300	
23	24		270,805	55,062	0	4,999	11,590	0	199,154	112,547	-86,607	-80,519	663,685	4.32%	0	41,777	102,581	9,300	
24	21		242,905	55,062	0	4,999	11,590	0	171,254	112,547	-58,707	-79,610	604,978	3.94%	0	41,777	98,400	9,300	
25	19		224,305	55,062	0	4,999	11,590	0	152,654	112,547	-40,107	-78,030	564,871	3.68%	0	41,777	94,219	9,300	
26	26		289,405	55,062	0	4,999	11,590	0	217,754	112,547	-105,207	-79,075	459,664	2.99%	0	41,777	90,038	9,300	
27	24		270,805	55,062	0	4,999	11,590	0	199,154	112,547	-86,607	-79,354	373,057	2.43%	0	41,777	85,857	9,300	
28	18		215,005	55,062	0	4,999	11,590	0	143,354	112,547	-30,807	-77,620	342,250	2.23%	0	41,777	81,676	9,300	
29	22		252,205	55,062	0	4,999	11,590	0	180,554	112,547	-68,007	-77,289	274,242	1.79%	0	41,777	77,495	9,300	
30	22		252,205	55,062	0	4,999	11,590	0	180,554	112,547	-68,007	-76,979	206,235	1.34%	0	41,777	73,314	9,300	
31	22		252,205	55,062	0	4,999	11,590	0	180,554	112,547	-68,007	-76,690	138,228	0.90%	0	41,777	69,133	9,300	
Totals		744	8,394,955	1,710,636	0	154,481	365,614	0	6,164,224	3,789,268	-2,377,385		138,228		0				

Base/Day 47605

Normal Average HDD's/Day 22.2903

EOM Target 500,000

actual HDD's/Day 31.0000

Normal HDD's for January 691

no additional