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Schedule MTL-37, pages 1-5 Are Highly Confidential

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-1 [I	Missouri Gas Energy								
	GR-2001-382								
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3									
	Table 1: First of Month Nominations on Duk		e 6 business o	days before FC	DM. So, Staff	reviewed dec	isions made		
4	on 10/24/00, 11/22/00, 12/21/00, 1/24/01, an	d 2/21/01.							
5									
	Information Known As Of:	10/24/2000	11/22/2000	} /	12/21/2000		1/24/2001	2/21/2001	l
	From Storage Analysis Report:	Oct-00	Nov-00		Dec-00		Jan-01	Feb-01	ĺ
	Forecasted demand and storage inj & w/d	10/23/2000	11/21/2000		12/20/2000	Rev 12/20	1/23/2001	2/20/2001	1
	entered for actual HDD through:	10/25/2000			12.20.2000	to include	1140.200	2-0,200	1
8	entered for actual FIDD throught.	i	'	' '	' i	12/31 4			
	Actual HDD through this date	256	838		1,368	1,368	1,076	956	l
	Forecasted HDD for remainder of month	77	246		514	553	254	231	1
	Known & expected HDD for month	333	1,084		1,882	1,921	1,330	1,187	ł
_		TO THE REPORT AND ADDRESS OF THE PARTY.		[1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		125.5%	í I
	Expected monthly HDD as % of normal		165.0%	ļ	175.4%	179.0%	109.2%	125.5%	ľ
12	HDD (calculated this - not in report)	AND STATE OF THE S	Minister at 1 surfamilia automorphysmics	<u></u>		way water and the same	Acres - a secondary management	· Annual Co. 200 Co.	i
]]	į .	,	l J	ļ			
			,	Revised Nov-		Rev 12/20			
				00 to include		to include			
13	EOM Storage Balances			ISS ³		12/31 4			
14	TSS	14,948,357	10,708,780	11,208,780	4,227,928	4,112,139	3,927,321	1,637,647	1
15	FSS	1,121,968		1,121,952	1,041,777	1,041,777	1,041,777	1,041,777	İ
16	PEPL/WS	1,453,926		1,009,107	598,03 <u>5</u>	<u>591,696</u>	372,676	169,435	l
17	Total Storage Inventory	17,524,251			5,867,740		5,341,774	2,848,859	ł
18	% of MSQ	98.6%	72.3%	75.1%	33.0%	32.3%	30.1%	16.0%	
19	Inventory remaining to be filled ¹	243,378	, 2,0,0					10.070	l
	From Company Reliability Report:	Nov-00	Dec-00		Jan-01		Feb-01	Mar-01	l
	Forecasted Demand:	1404-00	Dec-00		Jair-U1			IVIAI-U I	1
	Base Case - 30 Year Normal Weather	7,400,361	12 275 465	[]	12 069 421		11 212 407	9 422 472	ĺ
22					13,868,421		11,213,497	8,423,472	
23	Low Case	5,587,935			10,077,482		8,819,953	6,845,539	l
24	High Case	9,140,788			16,186,584		13,732,070	10,514,864	
	Historical HDD data:	Nov-00	Dec-00		Jan-01		Feb-01	Mar-01	ł
	warmest month HDD	398	763		841		646	529	1
	normal month HDD	657	1,073	l	1,218		946	691	ł
_	coldest month HDD	877	1,606	ł i	1,629		1,274	1,057	ł
	Using Company heatload & baseload	í							
	factors in Reliability Report w/ historical			l					ì
	HDD	Nov-00	Dec-00		Jan-01		Feb-01	Mar-01	ĺ
	Number of days in month	30	31	(31		28	31	
	estimated demand w/ warmest HDD	5,591,673		[10,273,551	'	8,090,819		i
_	estimated demand w/ normal HDD	8,301,101		<u> </u>	14,217,391		11,229,153	8,704,384	1
	estimated demand w/ coldest HDD	10,602,546	18,276,302	J	18,516,908]	14,660,398		J
34	From Company Supply/Demand Summary:	Nov-00	Dec-00]	Jan-01		Feb-01	Mar-01	ļ
	Normal Monthly Demand		12,400,465	<u>j</u>	13,893,421		11,238,497	8,448,472	1
	Daily Average Demand	247,512	400,015]	448,175		401,375	272,531	1
	Demand to be met w/ storage w/d ²	<u> </u>		!		j			ł
38	TSS	138,333	91,935	<u> </u>	49,355		79,914	61,115	1
39	FSS	0	0		0		0	0	1
40	PEPLWS	4,272	6,339		6,615		6,994	4,120	l
41	Total Storage w/d	142,605	98,274	į i	55,970	'	86,908	65,235	
	Fuel Requirements	2,715	7,909	1	13,036		10,426	6,810	
	Daily Avg Demand still to be met (with	107,622			405,241	l '	324,893		
	flowing or ?)]				J_ ,,550	2.7,100	İ
	Less Planned Flowing Supplies	107,622	289,650	[405,241	[<u>304,893</u>	<u>189,106</u>	[
	Daily Avg Demand still to be met with	107,022	20,000	1	700,271				
بخنا		<u> </u>	·//		ļ		20,000	25,000	1
	From DR28 response:	Nov-00	Dec-00		Jan-01		Feb-01	Mar-01	ļ
ı ∡7 İ	Planned Normal Storage Withdrawals	4,150,166	3,454,240	J	3,464,251	l	3,162,867	2,247,507	1
48 49									

			50	chedule	MIL-3	<i>(</i>				
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	Missouri Gas	Energy	_					·		
	GR-2001-382									
3						5		ı		
	lable 2: Storage	Inventory - Actuals	000	0 1 00	EOM Storage		1 04	F-1 04	11-04	
51		MOR CA 0044 (TCC)	Sep-00	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01 2,515,613	Mar-01 870,709	
52	1	Williams SA-0014 (TSS)	14,122,908	15,593,505	9,966,153	3,747,983 1,041,777	3,784,819 1,041,777	41,777	0 0,709	
53		Williams SA-0072 (FS) PEPL WS-012626	975,369 778,088	1,121,952 0	1,121,952 0	0	0	41,777	ől	
55		PEPL WS-012627	165,143		1,004,903	575,5 <u>38</u>	36 <u>8,1</u> 79	169,435	39,824	
54 55 56 57		Total	16,041,508		12,093,008	5,365,298	5,194,775	2.726.825	910,533	
57	1	1041	10,041,500	11,100,000	12,000,000	0,000,000	0,101,170	2,. 20,020	0.0,000	
58										
59										
	Given the informa	ation known when decisions	were made re	parding first-of	-month nomin	ations, Staff b	elieves that th	ne FOM nomina	tions would	
		ent - November FOM nomin								
	December and Ja	anuary and to assure that the	ne Company ha	d sufficient wit	hdrawal capal	pilities to cove	r a possible la	ate winter cold s	nap.	•
	Storage balances	and FOM nominations for	this option is pr	esented below	r:					
60										
61 62										
	Table 3-1: Store	ge withdrawals expected be	esed on distribu	tion of normal	HDD					
03	Table 3-1. Stora	ge will follow als expected by	asea on distribu	Storage		ribution is bas	ed on the ne	rcentage of		
64	ļ	Normal HDD	Monthly Distr.	Distr.		occurring in				
65	Nov-00		14.3%			₩		d use the total		
66	Dec-00		23.4%	4,122,699		•	•	y for injections		
67	Jan-01		26.6%	4,679,820		ather is warm		•		
68	Feb-01		20.6%	3,634,737	Mar, Compa	any would kno	w the beginni	ng balance at		
69	Mar-01	691	15.1%	2,677,578		ember, so adj				
70	Total	4,585	100.0%	17,589,170	additional 1:	50,000 ISS all	owed in Nov.	•		
71					che	ck: Oct end-of	-month inv =	17,766,565		
72			to	tal expected s	torage if adjus	t Nov by 150,	000 from ISS	17,739,170		
73										
	Table 3-2: Staff	s calculation of expected st								
75			Nov-00	Nov-00 Rev	Dec-00	Dec-00 Rev	Jan-01	Feb-01	Mar-01	
	Normal Monthly (7,425,361	7,425,361	12,400,465	12,400,465	13,893,421	11,238,497	8,448,472	
	Daily Average De		247,512	247,512	400,015	400,015	448,175	401,375	272,531	
		be met w/ storage w/d	82,478		132,990		150,962	129,812	86,373	
		allowed for ISS in Nov	5,000		(24.726)		(100 020)	47.544	10 145	
	Subtotal of daily	excess from prior month	87,478	108,076	(24,726)	00.303	(108,830)	47,544	16,145	
	Daily Fuel Requir		2,715	2,715	108,264 7,909	90,393 7,909	42,132 13,036	177,356 10,426	102,518 6,810	
	Expected Daily F		162,749		299,660	4317,531	419,079		176,823	
٣		mal met with storage	35.0%						36.7%	
84	(includes fuel)		35.0 %	/ .5.270	_0.070	/ ==.=./0	J. 1 /0	,5.170	\ 33.7.76	
		mal met with flowing	65.0%	56.8%	73.5%	77.8%	90.9%	56.9%	63.3%	
85	supplies (include		_	I /		l <i> </i>			\	
		ned daily flowing covers	4, 4, 4, 147, 151	i: " Andrews and an elec-	317,531	Transcore intermediates	325,080	314,998	220,824	
ſ		r requirements (used		[Y	,000	3,550		
86		mbers for low-case)	a sale section	/						
87				1	1			<u> </u>	 -	
	1	storage would need to be	This is the w	arm weather	This is the v	varm weather		Did not adjust f	or Feb & Mar	
ł	}	adjusted prior to making	requirement	less 150,000	requirement	t less any	1	- not as much o	of an issue in	
ı	1	nominations based on	for ISS in No	v	excess stor	age w/d not		Feb and Mar si		
	1	expected end-of-month			pulled in No			winter has past		
		inventory for previous						better handle o	n storage	
88	1	month	ļ					volumes availal	ble to meet	
89	1		<u> </u>				1	requirements fo	or the rest of	
90								the winter	ł	
	· · · · · · · · · · · · · · · · · · ·							L		

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1	Missouri Gas Energy								
	GR-2001-382								
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	Table 3-3: Effect of revised daily flowing					<i>'</i>			
_	Information Known As Of:	11/22/2000	12/21/2000		2/21/2001				
	From Storage Analysis Report:	Nov-00	Dec-00	Jan-01	Feb-01				
	Forecasted demand and storage inj & wi	d 11/21/2000	12/20/2000	1/23/2001	2/20/2001				
	entered for actual HDD through:								
	Actual HDD through this date	838	1,368	1,076	956				
	Forecasted HDD for remainder of month		<u>553</u>	<u>254</u>	231				
97	Known & expected HDD for month	1,084	1,921	1,330	1,187				
	Expected monthly HDD as % of normal	165.0%	179.0%	109.2%	125.5%				
	HDD (calculated this - not in report)								
99	Revised Expected EOM Storage Balance	es:							
100	EOM Storage Balances from above	13,339,839	5,745,612	5,341,774	2,848,859				
101	Plus additional inv from prior month(s)	1	1,035,870	1,900,181	2,329,159				
\neg	Plus additional demand that would have	1,035,870	<u>864,311</u>	<u>428,978</u>	(1,972,544)				
	been covered with flowing supplies inste	ad							
	of storage w/d								
103		14,375,709	7,645,793	7,670,933	3,205,474				
104	Storage inv expected for normal weather	15,142,225	11,019,530	6,339,710	2,704,973				
	Excess from storage for colder weather	766,516	3,373,737	(1,331,223)	(500,501)				
	So need to recover any excess w/d in ne		108,830	(47,544)	(16,145)				
	month (per day) or can w/d any additiona			()	` 1				
100	storage		J		ļ				
107									
108									
	Table 3-4: Effect of revised daily flowing							İ	
110		Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Total		
				I 5 10 <i>1</i> 775 I		910,533	16,856,032	Actual	
	Actual EOM Storage Balances	12,093,008	5,365,298	5,194,775	2,726,825		10,000,002	notual	
	Actual EOM Storage Balances Plus additional inv from prior month(s)	12,093,006	1,035,870	1,900,181	2,329,159	356,615	.0,000,002	Actual	
112	Plus additional inv from prior month(s)	1,035,870					10,000,002	Actual	
112	Plus additional inv from prior month(s) Plus additional demand that would have	<u>1,035,870</u>	1,035,870	1,900,181	2,329,159	356,615	10,000,002	Actual	
112	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste	<u>1,035,870</u>	1,035,870	1,900,181	2,329,159	356,615	10,000,002	Actual	
112 113	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d	<u>1,035,870</u>	1,035,870 <u>864,311</u>	1,900,181 <u>428,978</u>	2,329,159 (1,972,544)	356,615 (380,773)	10,000,002	Actual	
112 113 114	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d	1,035,870 ad 13,128,878	1,035,870 <u>864,311</u> 7,265,479	1,900,181 <u>428,978</u> 7,523,934	2,329,159 (1,972,544) 3,083,440	356,615 (380,773) 886,375			
112 113 114 115	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals	<u>1,035,870</u>	1,035,870 <u>864,311</u>	1,900,181 <u>428,978</u>	2,329,159 (1,972,544)	356,615 (380,773)	16,880,190		
113 114 115 116	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals	1,035,870 ad 13,128,878 4,637,687	1,035,870 864,311 7,265,479 5,863,399	7,523,934 (258,455)	2,329,159 (1,972,544) 3,083,440 4,440,494	356,615 (380,773) 886,375 2,197,065			
113 114 115 116	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals	1,035,870 ad 13,128,878 4,637,687	1,035,870 864,311 7,265,479 5,863,399	7,523,934 (258,455)	2,329,159 (1,972,544) 3,083,440 4,440,494	356,615 (380,773) 886,375 2,197,065	16,880,190	Expected	
113 114 115 116 117	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals Table 3-5: Comparison of Company and	1,035,870 ad 13,128,878 4,637,687 d Staff FOM planne	1,035,870 864,311 7,265,479 5,863,399	7,523,934 (258,455)	2,329,159 (1,972,544) 3,083,440 4,440,494 ge withdrawals	356,615 (380,773) 886,375 2,197,065 s	16,880,190	Expected storage withdr	
113 114 115 116 117	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals Table 3-5: Comparison of Company and	1,035,870 ad 13,128,878 4,637,687 d Staff FOM planne	1,035,870 864,311 7,265,479 5,863,399	7,523,934 (258,455)	2,329,159 (1,972,544) 3,083,440 4,440,494 ge withdrawals	356,615 (380,773) 886,375 2,197,065 s	16,880,190	Expected storage withdr	
113 114 115 116 117	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals Table 3-5: Comparison of Company and	1,035,870 ad 13,128,878 4,637,687 d Staff FOM planne	1,035,870 864,311 7,265,479 5,863,399	7,523,934 (258,455)	2,329,159 (1,972,544) 3,083,440 4,440,494 ge withdrawals	356,615 (380,773) 886,375 2,197,065 s	16,880,190	Expected storage withdr	
113 114 115 116 117	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals Table 3-5: Comparison of Company and	1,035,870 ad 13,128,878 4,637,687 d Staff FOM planne	1,035,870 864,311 7,265,479 5,863,399 ed flowing supp	7,523,934 (258,455) colles and stora	2,329,159 (1,972,544) 3,083,440 4,440,494 ge withdrawals	356,615 (380,773) 886,375 2,197,065 s	16,880,190	Expected storage withdreany planned	normals:
113 114 115 116 117	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals Table 3-5: Comparison of Company and	1,035,870 ad 13,128,878 4,637,687 d Staff FOM planne	1,035,870 864,311 7,265,479 5,863,399 ed flowing supply Planned De Flowing	1,900,181 428,978 7,523,934 (258,455) Olies and stora	2,329,159 (1,972,544) 3,083,440 4,440,494 ge withdrawals	356,615 (380,773) 886,375 2,197,065 s	16,880,190 sion: Expected supplies for Comp	Expected storage withdroany planned Daily	normals: Storage as
113 114 115 116 117	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals Table 3-5: Comparison of Company and	1,035,870 ad 13,128,878 4,637,687 d Staff FOM planne	1,035,870 864,311 7,265,479 5,863,399 ed flowing supplies by Planned De Flowing Supplies as	7,523,934 (258,455) colles and stora	2,329,159 (1,972,544) 3,083,440 4,440,494 ge withdrawals et with:	356,615 (380,773) 886,375 2,197,065 Staff revisioning su	16,880,190 sion: Expected supplies for Comp	Expected storage withdreany planned	normals: Storage as
112 113 114 115 116 117	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals Table 3-5: Comparison of Company and Normal Daily Avg	1,035,870 ad 13,128,878 4,637,687 d Staff FOM planne Compar	1,035,870 864,311 7,265,479 5,863,399 ed flowing supplies as Flowing Supplies as % of Daily	1,900,181 428,978 7,523,934 (258,455) Olies and stora	2,329,159 (1,972,544) 3,083,440 4,440,494 ge withdrawals et with: Storage as % of Daily	356,615 (380,773) 886,375 2,197,065 Staff revisioning su	sion: Expected supplies for Comp	Expected storage withdroany planned Daily	normals: Storage as % of Daily
112 113 114 115 116 117 118	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals Table 3-5: Comparison of Company and Normal Daily Avg Demand + Fuel	1,035,870 ad 13,128,878 4,637,687 d Staff FOM planne Compai	1,035,870 864,311 7,265,479 5,863,399 ed flowing supplet Flowing Supplies as % of Daily Avg for Month	7,523,934 (258,455) Olies and storal emand to be mand t	2,329,159 (1,972,544) 3,083,440 4,440,494 ge withdrawals et with: Storage as % of Daily Avg for Month	356,615 (380,773) 886,375 2,197,065 Staff revisioning supplies	16,880,190 sion: Expected supplies for Comp Flowing Supplies as % of Daily Avg for Month	Expected storage withdren cany planned Daily Storage w/d	normals: Storage as % of Daily Avg for Month
112 113 114 115 116 117 118 119 120	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals Table 3-5: Comparison of Company and Normal Daily Avg Demand + Fuel Nov-00 250,2	1,035,870 ad 13,128,878 4,637,687 d Staff FOM planne Compare Daily Flowing Supplies 27 107,622 24 289,650	1,035,870 864,311 7,265,479 5,863,399 ed flowing supplied by Planned Del Flowing Supplies as % of Daily Avg for Month 43.0% 71.0%	7,523,934 (258,455) olies and storal emand to be me Daily Storage w/d 6	2,329,159 (1,972,544) 3,083,440 4,440,494 ge withdrawals et with: Storage as % of Daily Avg for Month 57.0%	356,615 (380,773) 886,375 2,197,065 s Staff revisioning supplies Daily Flowing Supplies 142,151	sion: Expected supplies for Comp Flowing Supplies as % of Daily Avg for Month	Expected storage withdroany planned Daily	normals: Storage as % of Daily Avg for Month 43.2%
112 113 114 115 116 117 118 119 120 121	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals Table 3-5: Comparison of Company and Normal Daily Avg Demand + Fuel Nov-00 250,2 Dec-00 407,5	1,035,870 ad 13,128,878 4,637,687 d Staff FOM planne Compare Daily Flowing Supplies 27 107,622 24 289,650	1,035,870 864,311 7,265,479 5,863,399 ed flowing supplied by Planned Del Flowing Supplies as % of Daily Avg for Month 43.0% 71.0%	7,523,934 (258,455) olies and stora emand to be m Daily Storage w/d 6 142,605 98,274	2,329,159 (1,972,544) 3,083,440 4,440,494 ge withdrawals et with: Storage as % of Daily Avg for Month 57.0% 24.1%	356,615 (380,773) 886,375 2,197,065 S Staff revisioning supplies 142,151 317,531	sion: Expected supplies for Comp Flowing Supplies as % of Daily Avg for Month 56.8%	Expected storage withdreany planned Daily Storage w/d 6 108,076 90,393	Storage as % of Daily Avg for Month 43.2% 22.2%
112 113 114 115 116 117 118 119 120 121 122	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals Table 3-5: Comparison of Company and Normal Daily Avg Demand + Fuel Nov-00 250,2 Dec-00 407,5 Jan-01 461,2	1,035,870 ad 13,128,878 4,637,687 d Staff FOM planne Compai Daily Flowing Supplies 27 107,622 24 289.650 11 405,241	1,035,870 864,311 7,265,479 5,863,399 ed flowing supplied by Planned De Flowing Supplies as % of Daily Avg for Month 43.0% 71.0% 87.9%	7,523,934 (258,455) Diles and stora mand to be m Daily Storage w/d 6 142,605 98,274 55,970	2,329,159 (1,972,544) 3,083,440 4,440,494 ge withdrawals et with: Storage as % of Daily Avg for Month 57.0% 24.1% 12.1%	356,615 (380,773) 886,375 2,197,065 S Staff revisioning supplies 142,151 317,531 419,079	sion: Expected supplies for Complies for Complies as % of Daily Avg for Month 56.8% 77.8% 90.9%	Expected storage withdr pany planned Daily Storage w/d 6 108,076 90,393 42,132	Storage as % of Daily Avg for Month 43.2% 22.2%
112 113 114 115 116 117 118 119 120 121 122 123	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals Table 3-5: Comparison of Company and Normal Daily Avg Demand + Fuel Nov-00 250,2 Dec-00 407,5 Jan-01 461,2 Feb-01 411,8	1,035,870 13,128,878 4,637,687 1 Staff FOM planne Compar Daily Flowing Supplies 27 107,622 24 289,650 11 405,241 01 304,893	1,035,870 864,311 7,265,479 5,863,399 ed flowing supplied by Planned Del Flowing Supplies as % of Daily Avg for Month 43.0% 71.0% 87.9% 74.0%	7,523,934 (258,455) Diles and stora mand to be m Daily Storage w/d 8 142,605 98,274 55,970 86,908	2,329,159 (1,972,544) 3,083,440 4,440,494 ge withdrawals et with: Storage as % of Daily Avg for Month 57.0% 24.1% 12.1%	356,615 (380,773) 886,375 2,197,065 S Staff revisiflowing su Flowing Supplies 142,151 317,531 419,079 234,445	sion: Expected supplies for Comp Flowing Supplies as % of Daily Avg for Month 56.8% 77.8% 90.9% 56.9%	Expected Storage withdreany planned Daily Storage w/d 108,076 90,393 42,132 177,356	normals: Storage as % of Daily Avg for Month 43.2% 22.2% 9.1%
1113 114 115 116 117 118 120 121 122 123 124	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals Table 3-5: Comparison of Company and Normal Daily Avg Demand + Fuel Nov-00 250,2 Dec-00 407,9 Jan-01 461,2 Feb-01 411,6 Mar-01 279,3	1,035,870 13,128,878 4,637,687 4 Staff FOM planne Compar Daily Flowing Supplies 27 107,622 24 289,650 21 405,241 01 304,893	1,035,870 864,311 7,265,479 5,863,399 ed flowing supplied by Planned Del Flowing Supplies as % of Daily Avg for Month 43.0% 71.0% 87.9% 74.0%	7,523,934 (258,455) blies and stora mand to be m Daily Storage w/d 8 142,605 98,274 55,970 86,908	2,329,159 (1,972,544) 3,083,440 4,440,494 ge withdrawals et with: Storage as % of Daily Avg for Month 57.0% 24.1% 12.1%	356,615 (380,773) 886,375 2,197,065 S Staff revisioning supplies 142,151 317,531 419,079	sion: Expected supplies for Comp Flowing Supplies as % of Daily Avg for Month 56.8% 77.8% 90.9% 56.9%	Expected storage withdr pany planned Daily Storage w/d 6 108,076 90,393 42,132	storage as % of Daily Avg for Month 43.2% 9.1% 43.1%
1113 1114 1115 1116 1117 1118 1119 120 1211 122 123 1124	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals Table 3-5: Comparison of Company and Normal Daily Avg Demand + Fuel Nov-00 250,2 Dec-00 407,9 Jan-01 461,2 Feb-01 411,6 Mar-01 279,3	1,035,870 13,128,878 4,637,687 1 Staff FOM planne Compar Daily Flowing Supplies 27 107,622 24 289,650 11 405,241 01 304,893	1,035,870 864,311 7,265,479 5,863,399 ed flowing supplied by Planned Del Flowing Supplies as % of Daily Avg for Month 43.0% 71.0% 87.9% 74.0%	7,523,934 (258,455) Diles and stora mand to be m Daily Storage w/d 8 142,605 98,274 55,970 86,908	2,329,159 (1,972,544) 3,083,440 4,440,494 ge withdrawals et with: Storage as % of Daily Avg for Month 57.0% 24.1% 12.1%	356,615 (380,773) 886,375 2,197,065 S Staff revisiflowing su Flowing Supplies 142,151 317,531 419,079 234,445	sion: Expected supplies for Comp Flowing Supplies as % of Daily Avg for Month 56.8% 77.8% 90.9% 56.9%	Expected Storage withdreany planned Daily Storage w/d 108,076 90,393 42,132 177,356	storage as % of Daily Avg for Month 43.2% 9.1% 43.1%
112 113 114 115 116 117 118 120 121 122 123 124 125 126	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals Table 3-5: Comparison of Company and Demand + Fuel Nov-00 250,2 Dec-00 407,9 Jan-01 461,2 Feb-01 411,6 Mar-01 279,3	1,035,870 13,128,878 4,637,687 1 Staff FOM planne Compar Daily Flowing Supplies 27 107,622 24 289,650 11 405,241 01 304,893	1,035,870 864,311 7,265,479 5,863,399 ed flowing supplied by Planned Del Flowing Supplies as % of Daily Avg for Month 43.0% 71.0% 87.9% 74.0%	7,523,934 (258,455) Diles and stora mand to be m Daily Storage w/d 8 142,605 98,274 55,970 86,908	2,329,159 (1,972,544) 3,083,440 4,440,494 ge withdrawals et with: Storage as % of Daily Avg for Month 57.0% 24.1% 12.1%	356,615 (380,773) 886,375 2,197,065 S Staff revisiflowing su Flowing Supplies 142,151 317,531 419,079 234,445	sion: Expected supplies for Comp Flowing Supplies as % of Daily Avg for Month 56.8% 77.8% 90.9% 56.9%	Expected Storage withdreany planned Daily Storage w/d 108,076 90,393 42,132 177,356	normals: Storage as % of Daily Avg for Month 43.2% 22.2% 9.1%
112 113 114 115 116 117 118 119 120 121 123 124	Plus additional inv from prior month(s) Plus additional demand that would have been covered with flowing supplies inste of storage w/d Actual Expected Net Withdrawals Table 3-5: Comparison of Company and Demand + Fuel Nov-00 250,2 Dec-00 407,9 Jan-01 461,2 Feb-01 411,6 Mar-01 279,3	1,035,870 13,128,878 4,637,687 1 Staff FOM planne Compar Daily Flowing Supplies 27 107,622 24 289,650 11 405,241 01 304,893	1,035,870 864,311 7,265,479 5,863,399 ed flowing supplied by Planned Del Flowing Supplies as % of Daily Avg for Month 43.0% 71.0% 87.9% 74.0%	7,523,934 (258,455) Diles and stora mand to be m Daily Storage w/d 8 142,605 98,274 55,970 86,908	2,329,159 (1,972,544) 3,083,440 4,440,494 ge withdrawals et with: Storage as % of Daily Avg for Month 57.0% 24.1% 12.1%	356,615 (380,773) 886,375 2,197,065 S Staff revisiflowing su Flowing Supplies 142,151 317,531 419,079 234,445	sion: Expected supplies for Comp Flowing Supplies as % of Daily Avg for Month 56.8% 77.8% 90.9% 56.9%	Expected Storage withdreany planned Daily Storage w/d 108,076 90,393 42,132 177,356	storage as % of Daily Avg for Month 43.29 22.29 9.19 43.19

	Α	В	С	D	E	F	G	Н		J
1	Missouri Gas	Energy								
_	GR-2001-382	•								
3										
1 1	- · F · · · · ·	that wants to allow 500,0				•	•		stated in	
-		ge was fuller than anticipa	ted moved 500,	000 to an ISS	contract to a	llow for Novem	iber injections			
129										
		nned for Nov-00 would inc					day) plus the F	PEPL/WS w/d ((128,160	
		mber compared to 150,16	6 noted as norm	al w/d in the C	R28 respons	se)				
131	1_									
1 1		ers in previous column sh	ows Oct 31 bala	nce as 15,093	3,505 which v	vould not inclu	de the ISS bai	ance of 500,00	00 so TSS is	
	adjusted to accou	int for the ISS								
133	١.									
		HDD for the remainder of	•	•		_		•	ıclude	
		on Company rationale. Ac			s 433,822 (ta	ken from 12/2	which had 39	HDD).		
135	į		2/31 demand is:		I/NI 40745	0 =1				
135 136 137		These are taken for		, , ,						
137	ļ	Analysis Report a each day for the fo					Disa is in about a	NAC and Dan		
1120	ļ	of 12/21 - 12/30	Ji Codstod dates) (23,055)		EPL (this looks 39/day from W		s was and Dec		
130	1	011221 1200		(230,982)	•	,	(\$)			
140	1			· —	needed from	_				
138 139 140 141	1									
		s that storage reports avail	able from Willian	ns about the 1	3th of the me	onth for the pri	or month. So (Company knev	v actual prior	
142		ance when nominations m				- · · · · · · · · · · · · · · · · · · ·				
143			•	•						
144	6 Recall that Nove	ember storage withdrawals	s allow for 5,000	per day from	ISS					
	·			 -						

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Missouri Gas Energy GR-2001-382

	NYMEX	
Month	Closing Price	Date
November, 2000	4.541	10/28/00
December, 2000	6.016	11/28/00
January, 2001	9.978	12/27/00
February, 2001	6.293	1/29/01
March, 2001	4.998	2/26/01

Source:

NYMEX closing prices taken from The Wall Street Journal

MGE Case No. GR-2001-387 Schedule B

Month of		Mo	onth Hedged		
purchase	Nov-00	Dec-00	Jan 2001	Feb-01	Mar-01
Jun-00	4.312	4.388	4,376	4,138	3.698
Jul-00	4.048	4.136	4.129	3.942	3.758
Aug-00	4.520	4.591	4.557	4.308	4.063
Sep-00	5.240	5.340	5.298	5.028	4.752
Oct-00	5.139	5.177	5.166	4.959	4.724
Average	4.652	4.726	4,705	4,475	4.239

Source: Nymex closing prices simple average by month Date: March 22, 2002

5.352

5.435

5.400

5.160

4.905

Nov-00

Dec-00

Jan-01

Feb-01

Mar-01

5.348

5,438

5.398

5.158

4.903

5.290

5.383

5.348

5.118

4.864

5.152

5.248

5.215

5.000

4.765

5.008

5.113

5.085

4.881

4.658

5.150

5.250

5.217

5.007

4.769

5.134

5.236

5.211

5.001

4.764

5.508

5.599

5.511

5.301

5.058

June	6/1/00	6/2/00	6/5/00	6/6/00	6/7/00	6/8/00	6/9/00	6/12/00	6/13/00	6/14/00	6/15/00	6/16/00	6/19/00	6/20/00	6/21/00	6/22/00	6/23/00	6/26/00	6/27/00	6/28/00	6/29/00		Avg	
Nov-00	4.150	4.092	4.383	4.286	3.983	4.140	4.155	4.215	4.168	4,250	4.404	4.455	4.155	4.186	4.413	4.543	4.446	4.525	4.600	4.415	4.423	4.466	4.312	
Dec-00	4.250	4.187	4.465	4.355	4.070	4.215	4.220	4.280	4.240	4.320	4.470	4.530	4.230	4.285	4.500	4.620	4.521	4.595	4 665	4.485	4.493	4.536	4.388	
Jan-01	4.260	4.192	4.465	4.350	4.070	4.205	4.210	4.268	4.232	4.309	4.454	4.513	4.213	4.275	4.486	4.600	4.503	4.575	4.640	4.465	4.471	4.516	4.376	
Feb-01	4.055	3.990	4.245	4.135	3.B6D	3,990	3.994	4.049	4.015	4.082	4.216	4.271	3.971	4.040	4.236	4.342	4.243	4.297	4.360	4.195	4.200	4.240	4.138	
Mar-01	3.845	3.785	4.020	3.920	3.652	3.773	3.776	3.830	3.798	3.855	3.976	4.021	3.730	3.810	3.980	4.078	3.983	4.019	4.080	3.925	3.930	3.965	3.698	
																			7/0/					
July	7/5/00	7/6/00	7/7/00	7/10/00		7/12/00	7/13/00	7/14/00	7/17/00		7/19/00	7/20/00	7/21/00	7/24/00	7/25/00	7/26/00	7/27/00	7/28/00	7/31/00	Avg				
Nov-00	4.166	4.100	4.302	4.290	4.306	4.101	4.218	4.205	4.064	4.085	3,955	3.932	3.907	3.810	3.760	3.890	3.951	3.956	3.906	4.048				
Dec-00	4.236	4.185	4.390	4.385	4.400	4.195	4.305	4.295	4.150	4.165	4.043	4.015	3.987	3.892	3.843	3.975	4.050	4.061	4.020	4.136				
Jan-01	4.216	4.180	4.380	4.380	4.395	4.191	4.295	4.280	4.138	4.150	4.034	4.005	3.979	3.890	3.841	3.970	4.048	4.060	4.019	4.129				
Feb-01	3.95	3.945	4.145	4.150	4.175	3.981	4.090	4.090	3.963		3.866	3.842	3.819	3.735	3.696	3.810	3.888	3.905	3.869	3.942				
Mar-01	3.7	3.705	3.905	3.920	3.955	3,786	3.895	3.900	3.788	3.602	3.702	3.682	3.659	3.585	3.553	3.660	3.738	3.753	3.719	3,758				
																		212.122	2/25/25	0100100	01001	0100/001	7/04/00 I	
August	8/1/00	8/2/00	B/3/00	8/4/00	8/7/00	8/8/00	8/9/00	8/10/00	8/11/00		8/15/00	8/16/00			8/21/00	B/22/00	8/23/00	8/24/00	8/25/00	8/28/00	8/29/00	8/30/00	8/31/00	Avg
Nov-00	4.080	4.297	4.342	4.360	4.390	4.437	4.455	4.488	4.495		4.299	4.474	4.491	4.530	4.800	4.590	4.652	4.602	4.683	4.736	4.697	4.850	4.840	4.520
Dec-00	4.180	4.395	4.442	4,440	4.450	4.483	4.505	4.538	4,550	4.445	4.373	4.535	4.575	4.618	4.862	4.665	4.720	4.670	4.750	4.800	4.770	4.920	4.910	4.591
Jan-01	4.175	4.385	4.432	4.425	4.425	4.460	4 477	4.510	4.522	4.422	4.353	4.505	4.540	4.579	4.810	4.625	4.667	4,620	4.696	4.744	4.720	4.861	4.850	4.557
Feb-01	4.005	4,190	4.227	4.205	4.180	4.200	4.212	4.245	4.258	4.177	4.120	4.249	4.284	4.324	4.540	4,368	4.399	4.352	4.432	4.480	4.465	4.590	4.580	4.308
Mar-01	3.B40	3.995	4.022	3.990	3.938	3.948	3.955	3.986	4.001	3.942	3.895	4.000	4.035	4.074	4.267	4.110	4.133	4.089	4.162	4.213	4.205	4.323	4.315	4.063
														,										
September	9/1/00	9/5/00	9/6/00	9/7/00	9/8/00	9/11/00	9/12/00	9/13/00	9/14/00		9/18/00	9/19/00	9/20/00	9/21/00	9/22/00	9/25/00	9/26/00	9/27/00	9/28/00	9/29/00	Avg			
Nov-00	4.905	5.030	5.157	5.100	4,999	5.135	5.105	5.157	5.312	5.300	5.394	5,477	5.433	5.402	5.266	5.412	5.450	5,447	5.124	5.186	5.240			
Dec-00	4.975	5.104	5.233	5.187	5.100	5.235	5.209	5.260	5.412	5.400	5.495	5.585	5.548	5.517	5.383	5.525	5.565	5.562	5.231	5.281	5.340			
Jan-01	4,915	5.043	5.172	5.140	5.070	5.203	5.178	5.225	5.367	5.355	5.445	5.525	5.495	5.470	5.350	5,485	5.525	5.522	5.222	5.256	5.298			
Feb-01	4.640	4.763	4.884	4.865	4.815	4.938	4.913	4.955	5.088	5.075	5.152	5.228	5.210	5.203	5.100	5.225	5.260	5.257	4.971	5.026	5.028			
Mar-01	4.365	4.483	4.597	4.580	4.540	4.661	4.636	4.675	4.799	4.785	4,855	4.930	4.923	4.923	4.840	4.960	4.990	4.988	4.727	4.778	4.752			
October	10/2/00	10/3/00	10/4/00	10/5/00	10/6/00	10/9/00	10/10/00	10/11/00	10/12/00	10/13/00	10/16/00	10/17/00		10/19/00			10/24/00		10/26/00	10/27/00		10/31/00	Avg	

5.228

5.349

5,344

5.121

4.877

5,439

5.553

5.535

5.295

5.040

4.951

5.071

5.081

4.891

4.658

4.937

5.055

5.062

4.875

4.646

5.072

5.193

5.200

5.000

4.757

4.820

4,940

4.960

4.780

4.555

4.659

4.771

4.795

4,612

4.400

4.664

4.753

4.777

4.597

4.382

4.541

4.652

4.677

4.497

4.287

4.485

4.520

4.352

4.157

4.490

4.531

4.381

4.191

5.364

5.492

5.475

5.242

4.991

5.630

5.728

5.693

5.442

5.180

5.537

5.649

5.624

5.377

5.122

5.139

5.177

5.166

4.959

4.724

MGE Case No. GR-2001-382

Calculation of capacity release adjustment
Sources:MGE Capacity Release Commodity Rate Comparison and Staff's KPC adjustment workpaper

July, 2000 August, 2000 September, 2000 October, 2000 November, 2000	WNG Williams FOM index 4.20 3.69 4.50 5.19 4.43	fuel KPC vs WNG % difference 1.28% 1.28% 1.28% 1.28%	fuel difference \$ \$0.0538 \$0.0472 \$0.0576 \$0.0664 \$0.0567	commodity difference KPC vs WNG \$0.0440 \$0.0440 \$0.0440 \$0.0440	\$0.0978 \$0.0912 \$0.1016 \$0.1104					
• • • • • • • • • • • • • • • • • • • •	4.43 5.90	1.28%	\$0.0367	\$0.0440						
December, 2000 January, 2001	9.98	1.28%	\$0.0755	\$0.0440						
February, 2001	9.96 6.29	1.28%	'\$0.0805	\$0.0440	•					
March, 2001	5.03	1.28%	\$0.0644	\$0.0440						
April, 2001	5.34	1.28%	\$0.0684	\$0.0440						
May, 2001	4.82	1.28%	\$0.0617	\$0.0440	•					
June, 2001	3.66	1.28%	\$0.0468	\$0.0440						
Source for index: Ir				Ψ0.0440	Ψ0.0000					
Oddroo for index. ii	101001 2110 0	do markot rtop	Williams	KPC						
Production Area Co	ommodity Rate	e	0.0124							
Market Area Comm		_	0.0061	0.0625						
Total Commodity R			0.0185	0.0625						
, , , , , , , , , , , , , , , , , , , ,										
Production Area Fu Market Area Fuel F Total Fuel Rate			1.64% 0.69% 2.33%	n/a 3.61% 3.61%						
		Monthly		Williams Reservation	Williams Reservation	Williams Total Reservation	Non-recallable Release Credit 75% max rt.	Unit offset fuel & commodity	Total fuel & commodity offset	Net non-recall Release Credit
1.6. 0000	46 222	Volumes 1436292		Market \$ 3.0848	Production \$ 5.77	\$8.86	307,771.89	\$0.0978	\$140,411.91	167,359.99
July, 2000	46,332	1436292		\$ 3.0848	\$ 5.77	\$8.86	307,771.89	\$0.0912	\$131,035.79	•
August, 2000	46,332 46,332	1389960		\$ 3.0848	\$ 5.77	\$8.86	307,771.89	\$0.1016	\$141,219.94	•
September, 2000	46,332	1436292		\$ 3.0848		\$8.86	307,771.89	\$0.1104	\$158,612.60	
October, 2000	40,332	1430252		ψ 3.00 4 0	Ψ 5.77	\$0.00	007,111.00	Ψ0.1101	\$100,012.00	7.10,100.20
April, 2001	46,332	1389960		\$ 3.0168	\$ 5.77	\$8.79	305,408.96	\$0.1124	\$156,164.79	149,244.18
May, 2001	46,332	1436292		\$ 3.0168	\$ 5.77	\$8.79	305,408.96	\$0.1057	\$151,810.32	
June, 2001	46,332	1389960		\$ 3.0168	\$ 5.77	\$8.79	305,408.96	\$0.0908	\$126,275.09	179,133.87
J3, 200 ,	-,									1,141,784.03

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		В	C		E	F	G	н		J
\vdash	A				<u> </u>					
	Missouri Gas Energy									
2	GR-2001-382						,			
3										
H	Table 1: First of Month Nor	minations on Duk	o must be made	a 6 buciness /	dave before EC	Tet2 o2 MC	reviewed dec	icione made		
4	on 10/24/00, 11/22/00, 12/2			e u pusitiess (days belole i c	JIVI. 30, SIZII	TEVIEWED DEC	ASIONS MADE		
-	on 10/24/00, 11/22/00, 12/2	1/00, 1/24/01, an	u 2/2 //01.							
5					1					
_	Information Known As Of		10/24/2000	11/22/2000		12/21/2000		1/24/2001	2/21/2001	
7	From Storage Analysis Rep		Oct-00	Nov-00		Dec-00		Jan-01	Feb-01	
1	Forecasted demand and sto		10/23/2000	11/21/2000		12/20/2000		1/23/2001	2/20/2001	
١	entered for actual HDD thro	ough: [1				to include		1	
8	· · · · · · · · · · · · · · · · · · ·					4.000	12/31 4	4.070	050	
	Actual HDD through this da		256	838		1,368	1,368	1,076	956	
	Forecasted HDD for remain		77	<u>246</u>		<u>514</u>	<u>553</u>	254	231	
<u> </u>	Known & expected HDD for	* * * *~	333	1,084	<u> </u>	1,882	1,921	1,330	1,187	
1	Expected monthly HDD as			165.0%	ļ	175.4%	179.0%	109.2%	125.5%	
12	HDD (calculated this - not in	n report)		with the production of		" Michigan monde skips a domai mirro	chape 1.6 March March 2015	. Le model - desert - refer dentison	****	
1							j			
1					Revised Nov		Rev 12/20			
1			1		00 to include		to include			
13	EOM Storage Balances				ISS ³		12/31 4			
14	TSS			10,708,780	11,208,780	4,227,928	4,112,139	3,927,321	1,637,647	
15	FSS		1,121,968		1,121,952	1,041,777	1,041,777	1,041,777	1,041,777	
16	PEPL/WS		<u>1,453,926</u>	<u>1,009,107</u>	<u>1,009,107</u>	<u>598,035</u>	<u>591,696</u>	<u>372,676</u>	<u>169,435</u>	
17	Total Storage Inventory		17,524,251	12,839,839		5,867,740		5,341,774	2,848,859	
18	% of MSQ		98.6%	72.3%	75.1%	33.0%	32.3%	30.1%	16.0%	
19	Inventory remaining to be	filled 1	243,378							
	From Company Reliability F	Report:	Nov-00	Dec-00		Jan-01		Feb-01	Mar-01	
	Forecasted Demand:				•					
22	Base Case - 30 Year Nor	mal Weather	7,400,361	12,375,465		13,868,421		11,213,497	8,423,472	
23	Low Case		5,587,935	10,592,504		10,077,482		8,819,953	6,845,539	
	Low Case- Rev for Nov a	nd Dec (from	4,414,515	9,843,466	,	10,077,482		8,819,953	6,845,539	
1	Company Schedule MTL-	-14, Langston								
24	Direct)									
25	High Case		9,140,788	17,896,663		16,186,584		13,732,070	10,514,864	
26	Historical HDD data:		Nov-00	Dec-00		Jan-01		Feb-01	Mar-01	
	warmest month HDD		398	763	}	841		646	529	
28	normal month HDD		657	1,073]	1,218		946	691	
29	coldest month HDD		877	1,606	}	1,629	,	1,274	1,057	
1	Using Company heatload 8							,	` , :	
1	factors in Reliability Report	w/ historical		l.]				
	HDD		Nov-00	Dec-00	1	Jan-01		Feb-01	Mar-01	
	Number of days in month		30			31		28	31	
	estimated demand w/ warm		5,591,673			10,273,551		8,090,819		
	estimated demand w/ norm			12,700,529		14,217,391		11,229,153		
	estimated demand w/ colde		10,602,546		1	18,516,908		14,660,398		
	From Company Supply/Der	mand Summary:	Nov-00	Dec-00	4	Jan-01		Feb-01	Mar-01	
	Normal Monthly Demand			12,400,465		13,893,421] .	11,238,497	8,448,472	
	Daily Average Demand	5	247,512	400,015	4	448,175		401,375	272,531	
	Demand to be met w/ stora	ge w/d *	,		1					ł
39			138,333	91,935		49,355		79,914	61,115	
40			0	0]	0	!	0	lº	
41	PEPLWS		<u>4,272</u>	<u>6,339</u>	1	<u>6,615</u>	İ	<u>6,994</u>	<u>4,120</u>	
42		. <u></u>	142,605			55,970		86,908		
L43	Fuel Requirements		2,715			13,036	!	10,426		
1	Daily Avg Demand still to b	e mer (MITN	107,622	309,650	Ί	405,241		324,893	214,106	
	flowing or ?)	-n			J] .			}
45	Less Planned Flowing Sup	plies	107,622	<u>289,650</u>		405,241		<u>304,893</u>	<u>189,106</u>	
	Daily Avg Demand still to b	e met with	<u></u> 0	20,000		°		20,000	25,000	
	From DR28 response:		Nov-00	Dec-00]	Jan-01		Feb-01	Mar-01	
	Planned Normal Storage W	/ithdrawals	4,150,166	3,454,240		3,464,251		3,162,867	2,247,507	
49				- 			-			_
50	<u></u>									

			S	chedule	MTL-3	8				
	Α	В	C	D	E	F	Ğ	Н	1	J
1	Missouri Gas	Energy								•
2	GR-2001-382	•								
3										
_	Table 2: Storage	Inventory - Actuals	1		EOM Storage	Inventory 5			ŀ	
52]	- 	Sep-00	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	1
53	}	Williams SA-0014 (TSS)		15,593,505	9,966,153	3,747,983	3,784,819	2,515,613	870,709	
54		Williams SA-0072 (FS)			1,121,952	1,041,777	1,041,777	41,777	0	
55 56	•	PEPL WS-012626			0	0	0	0	0	
57	1	PEPL WS-012627 Total	165,143 16 041 508	1,051,108 17,766,565	1,004,903 12,093,008	<u>575,538</u> 5,365,298	368,179 5,194,775	169,435 2,726,825	39,824 910,533	
58	•	10.01	10,011,000	11,100,303	12,030,000	_ 5,505,230	3,134,113	2,720,023	910,555	
59										
	Given the informa	ation known when decision	s were made re	garding first-of	f-month nomin	ations, Staff b	elieves that t	he FOM nomir	nations would	ı
	have been differe	nt - November FOM nomin	ations would ha	ive been high	er to allow stor	age to be rese	erved for the	normally colde	r months of	
	Storage balances	anuary and to assure that the and FOM nominations for	ne Company ha	d sufficient wit	thdrawal capa	bilities to cove	r a possible la	ate winter cold	l snap.	
60	Storage balances	and FOW nominations for	uns opuon is pr	esented belov	v:					
61	1									
62	Table 2 4: Cha	ao mithdromala arra ata 11	nandan di 19	ا مسلم	LUBB					
03	Table 3-1: Stora	ge withdrawals expected b	ased on distribu	Storage		tribution in bas	ad on the e-	anntara af		
64		Normal HDD	Monthly Distr.	Distr.		tribution is bas occurring in t				
65	Nov-00	657	14.3%			entory. For No				
66	Dec-00	1,073	23.4%	4,122,699		ess 500.000 a				ľ
67	Jan-01	1,218	26.6%		injections in	Nov if weather	r is warmer t	han normal.		ŀ
68	Feb-01	946	20.6%			ar, Company				
69 70	Mar-01 Total	691 4,585	15.1% 100.0%	2,677,578 17,589,170		start of Novem	ber, so adjus	t accordingly -		
71	TOTAL	4,505	100.0%	17,389,170		lditional 150,00 ck: Oct end-of		a in Nov. 17,766,565		
72			to	tal expected s	torage if adjus					·
73					-	-		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
74	Table 3-2: Staffs	calculation of expected st			supplies for C	ompany plann	ed normals			
75	Ni		Nov-00	Nov-00 Rev	Dec-00	Dec-00 Rev	Jan-01	Jan-01 Rev	Feb-01	Mar-01
77	Normal Monthly Daily Average De	emand mand	7,425,361 247,512	7,425,361	12,400,465			13,893,421		8,448,472
		be met w/ storage w/d	82,478	247,512	400,015 132,990	400,015	448,175 150,962	448,175	401,375 129,812	272,531
79	plus storage w/d	allowed for ISS in Nov	5,000		132,550		150,962		129,012	86,373
80	less storage for e	xcess from prior month			(4,793)		(84,104)		63,964	16,146
	Subtotal of daily s		87,478	87,478	128,197	85,600	66,858	52,027	193,776	102,519
82	Daily Fuel Requir	ements	2,715	2,715	7,909	7,909	13,036	13,036	10,426	6,810
03	Expected Daily FI	mal met with storage	162,749 35.0%	_	279,727	4 322,324	394,353	409,184	218,025	
84	(includes fuel)	nor mot with storage	33.076	35.0%	31.4%	21.0%	14.5%	11.3%	47.1%	∫ 36.7%
	% of planned nor	mal met with flowing	65.0%	65.0%	68.6%	79.0%	85.5%	88.7%	52.9%	63.3%
85	supplies (includes	fuel)					70	-5 /6	52.070	55.575
		ned daily flowing covers	147,151	. F	317,531	The second second	325,080	-	314,998	220,824
		r requirements (used				1			- 1	
		nbers from MTL-14 for								ŀ
86	Nov & Dec; se	and the second and according to the	marks a subseque some	P. T. Sales School of the Control of	essent successivant out spokes applicate.		MARKET TO A SECTION AND ASSESSMENT			d 7 h databakka grip a malamana
87	1	ommendation uses:	,]				
		ned daily flowing covers requirements (used	186,265		341,694	<u> </u>	325,080		314,998	220,824
1		nbers for low-case from			l		//			ł
88	Reliability Rep						[]			
89				 						
] [storage would need to be	Since FOM e	xceeds	Since too m	uch storage	Since too n	nuch storage	Did not adjust	for Feb 9
1 .		adjusted prior to making	warmest mor	nth		n Nov, this is		in Dec, this is		
		nominations based on	requirement,	would not	warm weath		warm weat		issue in Feb a	
	1 1	expected end-of-month	have adjusted	d FOM.	excess w/d	in Nov.	excess w/d	in Dec.	since most of	winter has
		inventory for previous month						1	past and have	
		monu							handle on sto	
									volumes avail meet requirer	
90									the rest of the	
91		•			·		 -			
92										

				Sileudie						
	Α	В	ç	D	E	F	G	H		J
1	Missouri Gas	Energy								
2	GR-2001-382									
3										
		of revised daily flowing su					/			
	Information Know		11/22/2000	12/21/2000	1/24/2001	2/21/2001				
	From Storage An		Nov-00	Dec-00	Jan-01	Feb-01				
		nd and storage inj & w/d	11/21/2000	12/20/2000	1/23/2001	2/20/2001				
	entered for actual									
	Actual HDD throu		838	1,368	1,076	956				
		for remainder of month	<u>246</u>	<u>553</u>	<u>254</u>	<u>231</u>				
	Known & expecte	the second of th	1,084	1,921	1,330	1,187				
		/ HDD as % of normal	165.0%	179.0%	109.2%	125.5%				
		this - not in report)								
		EOM Storage Balances:								
		ances from above	13,339,839	5,745,612	5,341,774	2,848,859				
		v from prior month(s)		1,653,810	2,666,704	2,788,937				
	Plus additional de	mand that would have	<u>1,653,810</u>	<u>1,012,894</u>	<u>122,233</u>	(2,432,304)				
		h flowing supplies instead								
	of storage w/d									
105			14,993,649	8,412,316	8,130,711	3,205,492				
106	Storage inv exped	cted for normal weather	15,142,225	11,019,530	6,339,710	2,704,973				
		age for colder weather	148,576	2,607,214	(1,791,001)	(500,519)				
		er any excess w/d in next	4,793	84,104	(63,964)	(16,146)				
l i	month (per day) o	or can w/d any additional	·	•	` '	`				
	storage	·								
-										
109										
110										
	Table 3-4: Effect	of revised daily flowing su							•	
112	."		Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Total		
	Actual EOM Stora	•	12,093,008	5,365,298	5,194,775	2,726,825	910,533	16,856,032	Actual	
114	Plus additional in	v from prior month(s)		1,653,810	2,666,704	2,788,937	356,633			
	Plus additional de	emand that would have	<u>1,653,810</u>	<u>1,012,894</u>	<u>122,233</u>	(2,432,304)	<u>(380,804)</u>			
		h flowing supplies instead								
	of storage w/d	3 FF								
116			13,746,818	8,032,002	7,983,712	3,083,458	886,362			
	Actual Expected I	Net Withdrawals	4,019,747	5,714,816	48,290	4,900,254	2,197,096	16,880,203	Evacted	
		TCC TTICIOIAWAIS	7,013,171	3,7 14,010	40,230	4,500,254	2,197,090	10,000,200	Expedied	
118			# FOLL 1							
119	Table 3-5: Comp	parison of Company and St	aff FOM planne	d flowing supp	lies and stora	ge withdrawal	<u> </u>			
l i							Staff revision	ion: Expected	storage withou	rawal and
120			Compan		mand to be me	et with:	flowing sup	oplies for Com	ipany planned	l normals:
				Flowing				Flowing		
				Supplies as		Storage as		Supplies as	_	Storage as
		,		% of Daily	Daily	% of Daily	Daily	% of Daily	Daily	% of Daily
		Normal Daily Avg	Daily Flowing	Avg for	Storage w/d	Avg for	Flowing	Avg for	Storage w/d	Avg for
121		Demand + Fuel	Supplies	Month	6	Month	Supplies	Month	6	Month
122	Nov-00	250,227	107,622		142,605	57.0%	162,749	65.0%	87.478	
123	Dec-00	407,924	289,650	71.0%	98,274	24.1%	322,324	79.0%	85,600	
124	Jan-01	461,211	405,241	87.9%	55,970	12.1%	409,184			
125	Feb-01	411,801	304,893	74.0%	86,908		218.025			
126	Mar-01	279,341	189,106		65,235	23.4%	176,822	63.3%		
127										
128										
	The State of the S	man a man and a second of the second of the second of	The second second and the second	ou o o u solution.	ge : gr/ in ing. in	or manual descriptions	www.casainsthum.casainstaranages	promise colt 45	- 'control" in a control of	,
129										

	A	В	С	D	E	F	G	Н	1	J
1	Missouri Gas I	Energy		<u> </u>						
2	GR-2001-382									
3										
┧	1 Company states	that wants to allow 50	0 000 so that if Nove	ember ie wam	ner than norm	al still have ro	om to inject:	Company ak	en stated in	•
130	, ,	e was fuller than antic						Company as	so stated if	•
31		,	ipator increase sort	من بن من			or injudication			
~	_	ned for Nov-00 would	include planned 4 0	00.000 TSS 4	150,000 ISS	for 138 333/dz	av) plus the P	EPLWS w/o	1128 160	
132		nber compared to 150	•			•	,, p.00 (10 t	2 . 2 . 10 11. 2	(120,100	
133	ľ	•	•		•	,				
		ers in previous column	shows Oct 31 balar	nce as 15,093	,505 which we	ould not includ	e the ISS bal	ance of 500,0	000 so TSS	S is
	adjusted to accour	nt for the ISS								
135										
	ì	IDD for the remainder	•	-		•		•	include	
36	12/31/00 - based o	on Company rationale.			433,822 (tak	en from 12/2 w	hich had 39	HDD).		
37			if 12/31 demand is:	433,822	KN 107th &	Cl-				
37 38 39			en from the Storage t and are the same	(51,219)	Served KP					
00			e forecasted dates			PL (this looks I	ike it includes	off bne 2W	^	
140		of 12/21 - 12/3		(25,555,		9/day from W		i i i o qila be	•	
141				(230,982)	•	•	-,			
140 141 142 143				115,789	needed from	TSS				
143										
		that storage reports a			3th of the mor	nth for the prio	r month. So (Company kne	ew actual p	rior
_		nce when nominations	made for following	month.						
145	1_				100					
46	Recall that Nove	mber storage withdrav	vais allow for 5,000	per day from	155					

Schedule MTL-38, page 10 Is Highly Confidential

Missouri Gas Energy GR-2001-382

	NYMEX	
Month	Closing Price	Date
November, 2000	4.541	10/28/00
December, 2000	6.016	11/28/00
January, 2001	9.978	12/27/00
February, 2001	6.293	1/29/01
March, 2001	4.998	2/26/01

Source:

NYMEX closing prices taken from The Wall Street Journal

MGE Case No. GR-2001-387

Month of		Mo	nth Hedge	1	
purchase	Nov-00	Dec-00	Jan 2001	Feb-01	Mar-01
Jun-00	4.312	4.388	4.376	4.138	3.898
Jul-00	4.048	4.136	4.129	3.942	3.758
Aug-00	4.520	4.591	4.557	4.308	4.063
Sep-00	5.240	5.340	5.298	5.028	4.752
Oct-00	5.139	5.177	5.166	4.959	4.724
Average	4.652	4.726	4.705	4.475	4.239

Source: Nymex closing prices simple average by month Date: March 22, 2002

lune	6/1/00	6/2/00	6/5/00	6/6/00	6/7/00	6/8/00	6/9/00	6/12/00	6/13/00	6/14/00	6/15/00	6/16/00	6/19/00	6/20/00	6/21/00	6/22/00	6/23/00		6/27/00				
Nov-00	4 150	4.092	4.383	4.286			4.155	4.215	4,168	4.250	4.404	4.455	4.155	4.186	4.413	4.543	4.446	4.525	4.600	4,415	4,423	4.466	4.312
Dec-00	4.250	4.187	4.465	4.355	4.070		4,220	4.280	4.240	4,320	4.470	4.530	4.230	4.285	4.500	4.620	4.521	4.595	4.665	4.485	4,493	4.536	4.388
Jan-01	4.260	4.192	4.465	4.350	4.070		4.210	4.268	4.232	4,309	4.454	4.513	4.213	4.275	4.486	4.600	4.503	4.575	4.640	4.465	4.471	4.516	4.376
Feb-01	4 055	3.990	4.245	4 135	3.860		3.994	4.049	4.015	4.082	4.216	4.271	3.971	4.040	4.236	4.342	4.243	4.297	4.360	4,195	4.200	4.240	4.138
Mar-01	3.845	3.785	4.020	3.920			3.776		3.798	3.855	3.976	4,021	3.730	3.810	3.980	4.078	3.983	4.019	4.080	3.925	3,930	3.965	3.898

July	7/5/0	ากไ	7/6/00	7/7/00	T 7/10/00	7/11/00	7/12/00	7/13/00	7/14/00	7/17/00	7/18/00	7/19/00	7/20/00	7/21/00	7/24/00	7/25/00	7/26/00	7/27/00	7/28/00		
Nov-0		_	4.100	4.302			4.101	4.218	4.205	4.064	4.085	3.955	3.932	3.907	3.810	3.760	3.890	3.951	3.956	3.906	4.048
Dec-0			4.185	4.390	+			4.305	4.295	4.150	4.165	4,043	4.015	3.987	3.892	3.843	3.975	4.050	4.061	4.020	4.136
Jan-0			4.180	4.380			4.191	4.295	4,280	4.138	4.150	4.034	4.005	3.979	3.890	3.841	3.970	4.048	4.060	4.019	4.129
Feb-0		95	3.945	4.145				4.090	4,090	3,963	3.975	3.866	3.842	3.819	3.735	3.696	3.810	3.888	3.905	3.869	3.942
Mar-0		.7	3.705	3,905					3,900		3.802	3.702	3,682	3.659	3.585	3.553	3.660	3.738	3.753	3.719	3.758

August	8/1/00	8/2/00	8/3/00	8/4/00	8/7/00	8/8/00	8/9/00	8/10/00	8/11/00	8/14/00	8/15/00	8/16/00	8/17/00	8/18/00	8/21/00	8/22/00	8/23/00	8/24/00	8/25/00	8/28/00	8/29/00	8/30/00	8/31/00	Avg
August Nov-00	4.080	4.297	4.342	4,360	4.390	4,437	4.455	4.488	4,495	4.371	4.299	4.474	4.491	4.530	4.800	4.590	4.652	4.602	4.683	4.736	4.697	4.850	4.840	4.520
Dec-00	4.000	4.395	4.442	4,440		4,483	4.505		4,550	4.445	4.373	4.535	4.575	4.618	4.862	4.665	4.720	4.670	4.750	4.800	4.770	4.920		
Jan-01	4.175	4.385	4.432	4,425	4.425	4,460	4.477	4.510	4.522	4.422	4.353	4.505	4.540	4.579	4.810	4.625	4.667	4.620	4.696	4.744	4.720	4.861	4.850	4.557
Feb-01	4.005	4.190	4.227	4.205	4.180	4,200	4.212	4.245	4.258	4.177	4.120	4.249	4.284	4.324	4.540	4.368	4.399	4.352	4.432	4.480	4.465	4.590	4.580	
Mar-01	3.840		4.022	3.990	3.938	3.948	3.955	3.986	4.001	3.942	3.895	4.000	4.035	4.074	4.267	4.110	4.133	4.089	4,162	4.213	4.205	4.323	4.315	4.063

September	9/1/00	9/5/00	9/6/00	9/7/00	9/8/00	9/11/00	9/12/00	9/13/00	9/14/00	9/15/00	9/18/00	9/19/00	9/20/00	9/21/00	9/22/00	9/25/00	9/26/00	9/27/00	9/28/00	9/29/00	Avg
Nov-00		5.030	5.157	5.100	4,999	5.135	5.105	5.157	5.312	5.300	5.394	5.477	5.433	5.402	5.266	5.412	5.450	5.447	5.124	5.186	5.240
Dec-00			5.233	5.187	5.100			5.260	5.412	5.400	5.495	5.585	5.548	5.517	5.383	5.525	5,565	5.562	5.231	5.281	5.340
Jan-01	4 915	5.043	5.172	5.140	5.070			5.225	5.367	5.355	5.445	5.525	5.495	5.470	5.350	5.485	5.525	5.522	5.222	5.256	5.298
Feb-01		4,763	4.884	4.865	4.815		4.913	4,955	5.088	5.075	5.152	5.228	5.210	5.203	5.100	5.225	5.260	5.257	4.971	5.026	5.028
	4.365		4,597	4.580	4.540		4.636	4.675	4,799	4.785	4.855	4.930	4.923	4.923	4.840	4.960	4.990	4.988	4.727	4.778	4.752
Mar-01	4.303	7,700	7,001	7.000	1.0 10	1.00	.,,,,,,,														

														,									
October	10/2/00	10/3/00	10/4/00	10/5/00	10/6/00	10/9/00	#######	10/11/00	10/12/00	10/13/00	10/16/00	10/17/00	10/18/00	10/19/00	10/20/00	70.20.00			10/26/00		10/30/00	10/31/00	Avg
	5.352	5.348	5.290		5.008	5.150	5.134	5.508	5.630	5.537	5.364	5.439	5.228	4.951	4.937	5.072	4.820	4.659	4.664	4.541			5.139
Nov-00	5 435	5.438	5.383	5.248		5.250	5.236	5.599	5.728	5.649	5.492	5.553	5.349	5.071	5.055	5.193	4.940	4.771	4.753	4.652	4.485	4.490	5.177
Dec-00			5.348	5.215	5.085	5.217	5.211	5.511	5.693	5.624	5.475		5.344	5.081	5.062	5.200	4.960	4.795	4.777	4.677	4.520	4.531	5.166
Jan-01	5.400	5.398						5.301	5.442	5.377	5.242		5.121	4.891	4.875	5.000	4.780	4.612	4.597	4,497	4.352	4.381	4.959
Feb-01	5,160	5.158	5.118	5.000		5.007	5.001					5.040	4.877	4.658	4.646	4.757	4.555	4.400	4.382		4.157	4,191	4.724
Mar-01	4.905	4.903	4.864	4.765	4.658	4.769	4.764	5.058	5.180	5.122	4.991	5.040	4.017	4.000	4.040		4,000	7.700	7.002,	7.201	7. 131	7,131	7.727

Schedule MTL-39, pages 1-5 Are Highly Confidential

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1	Missouri Gas Energy				<u> </u>				 <u> </u>		
2	GR-2001-382										
Γ	011 200 1 002										
3											
Ι.	Table 1: First of Month Nominations on Duke		e 6 business d	lays before FO	M. So, Staff r	eviewed decis	ions made on				
4	10/24/00, 11/22/00, 12/21/00, 1/24/01, and 2/	21/01.									
<u> 5</u>				1							
	Information Known As Of:	10/24/2000	11/27/2000		12/21/2000		1/24/2001	2/21/2001			
	From Storage Analysis Report: Forecasted demand and storage inj & w/d	Oct-00 10/23/2000	Nov-00 11/26/2000		Dec-00 12/20/2000	Rev 12/20	Jan-01 1/23/2001	Feb-01 2/20/2001			
ļ	entered for actual HDD through:	10,23,2000	1112012000		12/20/2000	to include	1123/2001	2/20/2001			
8		1				12/31 4					
9	Actual HDD through this date	256	728		854	854	796	691			
	Forecasted HDD for remainder of month	77	<u>104</u>		<u>514</u>	<u>553</u>	301	248			
111	Known & expected HDD for month	333	832		1,368	1,407	1,097	939			
ĺ.,	Expected monthly HDD as % of normal	· 1	126.6%		127.5%	131.1%	90.1%	99.3%			
12	HDD (calculated this - not in report)	Fox - "No & No. 1	to a - the transport steem		deletion of the second			1			
1				No Revision		Rev 12/20				•	
4.2	EOM Stomac Balances			to Nov-00 for ISS 3		to include					
14	EOM Storage Balances TSS	14,948,357	10,587,206	10,587,206	4,227,928	4,112,139	3,927,321	1,637,647			
15		1,121,968	1,121,952	1,121,952	1,041,777	1,041,777	1,041,777	1,037,047			
16	PEPLWS	1,453,926	1,009,107	1,009,107	<u>598,035</u>	<u>591,696</u>	372,676	169,435			
17		17,524,251	12,718,265	12,718,265	5,867,740	5,745,612	5,341,774	2,848,859			
18		98.6%	71.6%	71.6%	33.0%	32.3%	30.1%	16.0%			
19		243,378									
	From Company Reliability Report:	Nov-00	Dec-00	,	Jan-01		Feb-01	Mar-01			
22	Forecasted Demand: Base Case - 30 Year Normal Weather	7,400,361	12,375,465		13,868,421		44 049 407	8,423,472			
	_ '' -	7,586,797	11,857,776		13,298,119	}	10,480,179				
1	Base Case - Rev (Uses Nov - Mar bif and hif from regression of Jul 98 - Jun 00 data	.,000,751	11,007,170		10,230,113		10,400,175	9,003,210			
23	with normal weather, plus growth							[
24		5,587,935	10,592,504		10,077,482		8,819,953	6,845,539			
\Box	Low Case- Rev (Uses Nov - Mar bif and	5,114,047	8,778,422		9,553,228		7,500,159				
ĺ	hlf from regression of Jul 98 - Jun 00 data					ĺ	. ,	' '			
25	with warmest month HDD, plus growth					i		1			
26		9,140,788	17,896,663		16,186,584		13,732,070	10,514,864			
_	Historical HDD data:	Nov-00	Dec-00		Jan-01	[Feb-01	Mar-01			
	warmest month HDD normal month HDD	398	763		841	<u> </u>	646	529			ļ
	coldest month HDD	657 877	1,073 1,606	1	1,218 1,629		946	691			
۳	Using Company heatload & baseload	- 0,,,	1,000		1,029		1,274	1,057			
	factors in Reliability Report w/ historical						1				
31	HDD	Nov-00	Dec-00		Jan-01]	Feb-01	Mar-01			
	Number of days in month	30	31		31		28	31			İ
	estimated demand w/ warmest HDD	5,591,673	9,457,584		10,273,551	[8,090,819	7,009,684			
	estimated demand w/ normal HDD	8,301,101	12,700,529		14,217,391		11,229,153	8,704,384			
	estimated demand w/ coldest HDD From Company Supply/Demand Summary:	10,602,546 Nov-00	18,276,302 Dec-00		18,516,908	ļ ,	14,660,398				
	Normal Monthly Demand	7,425,361	12,400,465		Jan-01 13,893,421	<u> </u>	Feb-01 11,238,497	Mar-01 8,448,472			
	Daily Average Demand	247,512	400,015		448,175		401,375	272,531			
	Demand to be met w/ storage w/d 2		,				701,010	2,2,551			
40	TSS	138,333	91,935		49,355		79,914	61,115			
41	FSS	0	0		0		. 0	0			
42		4.272	6,339		<u>6,615</u>		6,994	4.120			
43	Total Storage w/d Fuel Requirements	142,605	98,274		55,970		86,908	65,235			
144	Daily Avg Demand still to be met (with	2,715 107,622	7,909 309,650		13,036	 	10,426	6,810			
45	flowing or ?)	107,022	309,030		405,241		324,893	214,106			
	Less Planned Flowing Supplies	107,622	289,650		405,241		304,893	189,106			
_	Daily Avg Demand still to be met with	0	20,000	'	403,241 0		20,000	25,000			
,,,	From DR28 response:	Nov-00	Dec-00		Jan-01	<u> </u>	Feb-01	Mar-01			
	Planned Normal Storage Withdrawals	4,150,166	3,454,240		3,464,251	 	3,162,867	2,247,507			
50			-> · • · · • · · •	'	<u> </u>	L	0,102,007	2,271,001			
51											

				_								
	A	В	С	D	E	F	G_	H		J	K	L
1	Missouri Gas	Energy										
	GR-2001-382	•										
\Box												
3	Table 2. Ctasses	- Improvedent - Antonio	I		FOM Steen	ge Inventory 5			I			
52	lable 2: Storage	: Inventory - Actuals	C== 00	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01)		
53	1	Williams SA-0014 (TSS)	Sep-00 14,122,908	15,593,505	9,966,153	3,747,983	3,784,819	2,515,613	870,709			
픋		Williams SA-0072 (FS)	975,369	1,121,952	1,121,952	1,041,777	1,041,777	41,777	0,70,00			
54 55 56 57 58 59		PEPL WS-012626	778,088	1,121,932	1,121,932	1,041,777	1,041,777	41,777	0			
57	1	PEPL WS-012627	165,143	1,051,108	1,004,903	575,538	368,179	169,435	39,824			
58		Total	16,041,508	17,766,565	12,093,008	5,365,298	5,194,775	2.726.825	910,533			
5		1000	10,047,000	11,700,000	.2,000,000	0,000,200	0,191,10	2,. 20,020	0.0,000			
60												
61	1											
	Given the informa	ition known when decisions	were made reg	garding first-of-	month nomina	itions, Staff be	lieves that the	FOM nomination:	s would			
		nt - November FOM nomina										
\	December and Ja	inuary and to assure that th	e Company ha	d sufficient witl	ndrawal capab	ilities to cover	a possible late	e winter cold snap	. Storage			
ا ۔ ا	balances and FO	M nominations for this optic	n is presented	below:								
62	ļ											
63												
64		ige withdrawals expected be	and on distribu	tion of normal	HDD							
<u> </u>	Table 3-1. Stora	ge williawais expected by	sec on distribu	Storage		ribution is bas	ed on the ner	centage of				
66	1	Normal HDD	Monthly Distr.	Distr.		occurring in t						
67	Nov-00	657	14.3%	2,474,336		entory. For Nov						
68	Dec-00	1,073	23.4%	4,122,699				for injections in				
69	Jan-01	1,218	26.6%	4,679,820		ner is warmer t		- *				
70	Feb-01	946	20.6%	3,634,737				ance at start of				
71	Mar-01	691	15.1%	2,677,578		so adjust acco						
72	Total	4,585	100.0%	17,589,170	150,000 ISS	allowed in No	ov.	•				
73					che	ck: Oct end-of-	month inv =	17,766,565				
74	}		to	tal expected st	orage if adjust	Nov by 150,00	00 from ISS	17,739,170				
75	1											
	Table 3-2: Staff	s calculation of expected st										
77			Nov-00	Nov-00 Rev	Dec-00	Dec-00 Rev	Jan-01	Jan-01 Rev	Feb-01	Feb-01 Rev		Mar-01 Rev
	Normal Monthly D		7,686,797	7,686,797	11,857,776	11,857,776		13,298,119		10,480,179		8,063,218
	Daily Average De		256,227	256,227	382,509	382,509	428,972	428,972	374,292	374,292	260,104	260,104
		be met w/ storage w/d	82,478		132,990		150,962					
					_		700,002		129,812		86,373	
		allowed for ISS in Nov	5,000		(22.212)							
	less storage for e	xcess from prior month		03 474	(22,212)	85.031	(98,409)	35.430	45,241	162.006	3,386	62.106
83	less storage for e Subtotal of daily s	xcess from prior month storage w/d	87,478	93,474	110,778	85,031 7,909	(98,409) 52,553	35,430 13,036	45,241 175,053	162,096	3,386 89,759	62,106
83 84	less storage for e Subtotal of daily s Daily Fuel Requir	xcess from prior month storage w/d rements	87,478 2,715	2,715	110,778 7,909	7,909	(98,409) 52,553 13,036	13,036	45,241 175,053 10,426	10,426	3,386 89,759 6,810	6,810
83 84	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F	excess from prior month storage w/d rements lowing Supplies	87,478 2,715 171,464	2,715 165,468	110,778 7,909 279,640	7,909 305,387	(98,409) 52,553 13,036 389,455	13,036 406,578	45,241 175,053 10,426 209,665	10,426 222,622	3,386 89,759 6,810 177,155	6,810 204,808
83 84 85	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F	xcess from prior month storage w/d rements	87,478 2,715	2,715	110,778 7,909	7,909	(98,409) 52,553 13,036	13,036	45,241 175,053 10,426	10,426	3,386 89,759 6,810	6,810 204,808
83 84 85	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F % of planned non (includes fuel)	excess from prior month storage w/d rements lowing Supplies	87,478 2,715 171,464	2,715 165,468	110,778 7,909 279,640 28.4%	7,909 305,387 21.8%	(98,409) 52,553 13,036 389,455 11,9%	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5%	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6%	6,810 204,808 23.3%
83 84 85 86	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F % of planned non (includes fuel) % of planned nor	xcess from prior month storage w/d rements lowing Supplies mal met with storage	87,478 2,715 171,464 33.8%	2,715 165,468 36.1%	110,778 7,909 279,640	7,909 305,387	(98,409) 52,553 13,036 389,455	13,036 406,578	45,241 175,053 10,426 209,665	10,426 222,622	3,386 89,759 6,810 177,155	6,810
83 84 85 86	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F % of planned nor (includes fuel) % of planned nor supplies (includes	xcess from prior month storage w/d ements lowing Supplies mal met with storage mal met with flowing s fuel)	87,478 2,715 171,464 33.8% 66.2%	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6%	7,909 4305,387 21.8% 78.2%	(98,409) 52,553 13,036 389,455 11.9%	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5%	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6% 66.4%	6,810 204,808 23.3%
83 84 85 86 87	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F % of planned non (includes fuel) % of planned nor supplies (include: Check if planne	xcess from prior month storage w/d rements lowing Supplies mal met with storage mal met with flowing s fuel) dd daily flowing covers	87,478 2,715 171,464 33.8% 66.2%	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4%	7,909 4305,387 21.8% 78.2%	(98,409) 52,553 13,036 389,455 11,9%	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5%	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6%	6,810 204,808 23.3%
83 84 85 86	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F % of planned non (includes fuel) % of planned nor supplies (includes Check if planne warm weather	xcess from prior month storage w/d ements lowing Supplies mal met with storage mal met with flowing s fuel) ad daily flowing covers requirements (see Table 1)	87,478 2,715 171,464 33.8% 66.2%	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175	7,909 4305,387 21.8% 78.2%	(98,409) 52,553 13,036 389,455 11,9% 88.1% 308,169	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5%	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33,6% 66.4%	6,810 204,808 23.3%
83 84 85 86 87	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F % of planned non (includes fuel) % of planned nor supplies (includes Check if planne warm weather	xcess from prior month storage w/d rements lowing Supplies mal met with storage mal met with flowing s fuel) dd daily flowing covers	87,478 2,715 171,464 33.8% 66.2%	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6%	7,909 4305,387 21.8% 78.2%	(98,409) 52,553 13,036 389,455 11.9%	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5%	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6% 66.4%	6,810 204,808 23.3%
83 84 85 86 87 88	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F % of planned non (includes fuel) % of planned non supplies (includes Check if planne warm weather Plus storage ox	xcess from prior month storage w/d rements lowing Supplies mal met with storage mal met with flowing s fuel) ad daily flowing covers requirements (see Table 1) ver/under from prior month	87,478 2,715 171,464 33.8% 66.2%	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175	7,909 4305,387 21.8% 78.2%	(98,409) 52,553 13,036 389,455 11,9% 88.1% 308,169	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5%	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33,6% 66.4%	6,810 204,808 23.3%
83 84 85 86 87	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F % of planned non (includes fuel) % of planned non supplies (includes warm weather Plus storage ov	xcess from prior month storage w/d rements lowing Supplies mal met with storage mal met with flowing s fuel) ad daily flowing covers requirements (see Table 1) ver/under from prior month ecommendation uses:	87,478 2,715 171,464 33.8% 66.2%	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175	7,909 4305,387 21.8% 78.2%	(98,409) 52,553 13,036 389,455 11,9% 88.1% 308,169	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5%	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33,6% 66.4%	6,810 204,808 23.3%
83 84 85 86 87 88	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F % of planned nor (includes fuel) % of planned nor supplies (include: Check if planne warm weather Plus storage ov Prior Staff R Check if planne	xcess from prior month storage w/d rements lowing Supplies mal met with storage mal met with flowing s fuel) ad daily flowing covers requirements (see Table 1) ver/under from prior month ecommendation uses: ned daily flowing covers	87,478 2,715 171,464 33.8% 66.2%	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175	7,909 4305,387 21.8% 78.2%	(98,409) 52,553 13,036 389,455 11,9% 88.1% 308,169	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5%	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33,6% 66.4%	6,810 204,808 23.3%
83 84 85 86 87 88	less storage for e Subtotal of daily 5 Daily Fuel Requir Expected Daily F. % of planned nor (includes fuel) % of planned nor supplies (include: Check if planne warm weather Plus storage ov Prior Staff R Check if plans warm weathe	xcess from prior month storage w/d ements lowing Supplies mal met with storage mal met with flowing s fuel) ad daily flowing covers requirements (see Table 1) ver/under from prior month ecommendation uses: need daily flowing covers or requirements (used	87,478 2,715 171,464 33.8% 66.2% 170,468 Yes	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175 No	7,909 4305,387 21.8% 78.2%	(98.409) 52,553 13,036 389,455 11.9% 88.1% 308,169 No	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5% No	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6% 66.4% 208,194 No	6,810 204,808 23.3%
83 84 85 86 87 88 89	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F. % of planned nor (includes fuel) % of planned nor supplies (includes Check if planne warm weather Plus storage ov Prior Staff R Check if plann warm weathe Company nur	xcess from prior month storage w/d rements lowing Supplies mal met with storage mal met with flowing s fuel) ad daily flowing covers requirements (see Table 1) ver/under from prior month ecommendation uses: ned daily flowing covers or requirements (used mbers for low-case from	87,478 2,715 171,464 33.8% 66.2% 170,468 Yes	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175 No	7,909 4305,387 21.8% 78.2%	(98.409) 52,553 13,036 389,455 11.9% 88.1% 308,169 No	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5% No	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6% 66.4% 208,194 No	6,810 204,808 23.3%
83 84 85 86 87 88 89 90	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F % of planned nor (includes fuel) % of planned nor supplies (includes Check if planne warm weather Plus storage ov Prior Staff R Check if plann warm weathe Company nur Refiability Re	xcess from prior month storage w/d rements lowing Supplies mal met with storage mal met with flowing s fuel) ad daily flowing covers requirements (see Table 1) ver/under from prior month ecommendation uses: ned daily flowing covers or requirements (used mbers for low-case from	87,478 2,715 171,464 33.8% 66.2% 170,468 Yes	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175 No	7,909 4305,387 21.8% 78.2%	(98.409) 52,553 13,036 389,455 11.9% 88.1% 308,169 No	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5% No	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6% 66.4% 208,194 No	6,810 204,808 23.3%
83 84 85 86 87 88 89	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F % of planned nor (includes fuel) % of planned nor supplies (includes Check if planne warm weather Plus storage ov Prior Staff R Check if plann warm weathe Company nur Refiability Re	xcess from prior month storage w/d rements lowing Supplies mal met with storage mal met with flowing s fuel) ad daily flowing covers requirements (see Table 1) ver/under from prior month ecommendation uses: or requirements (used mbers for low-case from port)	87,478 2,715 171,464 33.8% 66.2% 170,468 Yes	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175 No	7,909 4005,387 21.8% 78.2%	(98.409) 52,553 13,036 389,455 11.9% 88.1% 308,169 No	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5% No	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6% 66.4% 208,194 No	6,810 204,808 23.3%
83 84 85 86 87 88 89 90	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F. % of planned nor (includes fuel) % of planned nor supplies (includes Check if planne warm weather Plus storage ov Prior Staff R Check if plann warm weathe Company nur Reliability Re	xcess from prior month storage w/d rements lowing Supplies mal met with storage mal met with storage study flowing covers requirements (see Table 1) ver/under from prior month ecommendation uses: ned daily flowing covers or requirements (used mbers for low-case from port) storage would need to be	87,478 2,715 171,464 33.8% 66.2% 170,468 Yes 186,265	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175 No 341,694	7,909 305,387 21.8% 78.2%	(98.409) 52,553 13,036 389,455 11.9% 88.1% 308,169 No	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5% No	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6% 66.4% 208,194 No	6,810 204,808 23.3%
83 84 85 86 87 88 89 90	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F. % of planned nor (includes fuel) % of planned nor supplies (includes Check if planne warm weather Plus storage ov Prior Staff R Check if plann warm weathe Company nur Reliability Re	xcess from prior month storage w/d rements lowing Supplies mal met with storage mal met with flowing s fuel) ad daily flowing covers requirements (see Table 1) ver/under from prior month ecommendation uses: ned daily flowing covers requirements (used mbers for low-case from port) storage would need to be adjusted prior to making	87,478 2,715 171,464 33.8% 66.2% 170,468 Yes 186,265	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175 No 341,694 Since too rr was pulled	7,909 305,387 21.8% 78.2%	(98.409) 52,553 13,036 389,455 11.9% 88.1% 308,169 No	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5% No	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6% 66.4% 208,194 No	6,810 204,808 23.3%
83 84 85 86 87 88 89 90	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F. % of planned nor (includes fuel) % of planned nor supplies (includes Check if planne warm weather Plus storage ov Prior Staff R Check if plann warm weathe Company nur Reliability Re	xcess from prior month storage w/d ements lowing Supplies mal met with storage mal met with flowing s fuel) ad daily flowing covers requirements (see Table 1) ver/under from prior month ecommendation uses: med daily flowing covers requirements (used mbers for low-case from port) storage would need to be adjusted prior to making nominations based on	87,478 2,715 171,464 33.8% 66.2% 170,468 Yes 186,265	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175 No 341,694 Since too rr was pulled warm weath	7,909 4305,387 21.8% 78.2% uuch storage in Nov, this is ner plus	(98.409) 52,553 13,036 389,455 11.9% 88.1% 308,169 No	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5% No	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6% 66.4% 208,194 No	6,810 204,808 23.3%
83 84 85 86 87 88 89 90	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F. % of planned nor (includes fuel) % of planned nor supplies (includes Check if planne warm weather Plus storage ov Prior Staff R Check if plann warm weathe Company nur Reliability Re	xcess from prior month storage w/d ements lowing Supplies mal met with storage mal met with storage s fuel) ad daily flowing covers requirements (see Table 1) ver/under from prior month ecommendation uses: ned daily flowing covers requirements (used mbers for low-case from port) storage would need to be adjusted prior to making nominations based on expected end-of-month	87,478 2,715 171,464 33.8% 66.2% 170,468 Yes 186,265	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175 No 341,694 Since too rr was pulled	7,909 4305,387 21.8% 78.2% uuch storage in Nov, this is ner plus	(98.409) 52,553 13,036 389,455 11.9% 88.1% 308,169 No	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5% No	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6% 66.4% 208,194 No	6,810 204,808 23.3%
83 84 85 86 87 88 89 90	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F. % of planned nor (includes fuel) % of planned nor supplies (includes Check if planne warm weather Plus storage ov Prior Staff R Check if plann warm weathe Company nur Reliability Re	xcess from prior month storage w/d rements lowing Supplies mal met with storage mal met with storage mal met with flowing s fuel) ad daily flowing covers requirements (see Table 1) ver/under from prior month ecommendation uses: ned daily flowing covers or requirements (used mbers for low-case from port) storage would need to be adjusted prior to making nominations based on expected end-of-month inventory for previous	87,478 2,715 171,464 33.8% 66.2% 170,468 Yes 186,265	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175 No 341,694 Since too rr was pulled warm weath	7,909 4305,387 21.8% 78.2% uuch storage in Nov, this is ner plus	(98.409) 52,553 13,036 389,455 11.9% 88.1% 308,169 No	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5% No	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6% 66.4% 208,194 No	6,810 204,808 23.3%
83 84 85 86 87 88 89 90	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F. % of planned nor (includes fuel) % of planned nor supplies (includes Check if planne warm weather Plus storage ov Prior Staff R Check if plann warm weathe Company nur Reliability Re	xcess from prior month storage w/d ements lowing Supplies mal met with storage mal met with storage s fuel) ad daily flowing covers requirements (see Table 1) ver/under from prior month ecommendation uses: ned daily flowing covers requirements (used mbers for low-case from port) storage would need to be adjusted prior to making nominations based on expected end-of-month	87,478 2,715 171,464 33.8% 66.2% 170,468 Yes 186,265	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175 No 341,694 Since too rr was pulled warm weath	7,909 4305,387 21.8% 78.2% uuch storage in Nov, this is ner plus	(98.409) 52,553 13,036 389,455 11.9% 88.1% 308,169 No	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5% No	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6% 66.4% 208,194 No	6,810 204,808 23.3%
83 84 85 86 87 88 89 90	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F. % of planned nor (includes fuel) % of planned nor supplies (includes Check if planne warm weather Plus storage ov Prior Staff R Check if plann warm weathe Company nur Reliability Re	xcess from prior month storage w/d rements lowing Supplies mal met with storage mal met with storage mal met with flowing s fuel) ad daily flowing covers requirements (see Table 1) ver/under from prior month ecommendation uses: ned daily flowing covers or requirements (used mbers for low-case from port) storage would need to be adjusted prior to making nominations based on expected end-of-month inventory for previous	87,478 2,715 171,464 33.8% 66.2% 170,468 Yes 186,265	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175 No 341,694 Since too rr was pulled warm weath	7,909 4305,387 21.8% 78.2% uuch storage in Nov, this is ner plus	(98.409) 52,553 13,036 389,455 11.9% 88.1% 308,169 No	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5% No	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6% 66.4% 208,194 No	6,810 204,808 23.3%
83 84 85 86 87 88 89 90	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F. % of planned nor (includes fuel) % of planned nor supplies (includes Check if planne warm weather Plus storage ov Prior Staff R Check if plann warm weathe Company nur Reliability Re	xcess from prior month storage w/d rements lowing Supplies mal met with storage mal met with storage mal met with flowing s fuel) ad daily flowing covers requirements (see Table 1) ver/under from prior month ecommendation uses: ned daily flowing covers or requirements (used mbers for low-case from port) storage would need to be adjusted prior to making nominations based on expected end-of-month inventory for previous	87,478 2,715 171,464 33.8% 66.2% 170,468 Yes 186,265	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175 No 341,694 Since too rr was pulled warm weath	7,909 4305,387 21.8% 78.2% uuch storage in Nov, this is ner plus	(98.409) 52,553 13,036 389,455 11.9% 88.1% 308,169 No	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5% No	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6% 66.4% 208,194 No	6,810 204,808 23.3%
83 84 85 86 87 88 89 90	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F % of planned non (includes fuel) % of planned non supplies (includes warm weather Plus storage ov Prior Staff R Check if planne warm weather Company nur Refiability Rej	xcess from prior month storage w/d rements lowing Supplies mal met with storage mal met with storage mal met with flowing s fuel) ad daily flowing covers requirements (see Table 1) ver/under from prior month ecommendation uses: ned daily flowing covers or requirements (used mbers for low-case from port) storage would need to be adjusted prior to making nominations based on expected end-of-month inventory for previous	87,478 2,715 171,464 33.8% 66.2% 170,468 Yes 186,265	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175 No 341,694 Since too rr was pulled warm weath	7,909 4305,387 21.8% 78.2% uuch storage in Nov, this is ner plus	(98.409) 52,553 13,036 389,455 11.9% 88.1% 308,169 No	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5% No	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6% 66.4% 208,194 No	6,810 204,808 23.3%
83 84 85 86 87 88 89 90	less storage for e Subtotal of daily s Daily Fuel Requir Expected Daily F % of planned non (includes fuel) % of planned non supplies (includes warm weather Plus storage ov Prior Staff R Check if planne warm weather Company nur Refiability Rej	xcess from prior month storage w/d rements lowing Supplies mal met with storage mal met with storage mal met with flowing s fuel) ad daily flowing covers requirements (see Table 1) ver/under from prior month ecommendation uses: ned daily flowing covers or requirements (used mbers for low-case from port) storage would need to be adjusted prior to making nominations based on expected end-of-month inventory for previous	87,478 2,715 171,464 33.8% 66.2% 170,468 Yes 186,265	2,715 165,468 36.1% 63.9%	110,778 7,909 279,640 28.4% 71.6% 283,175 No 341,694 Since too rr was pulled warm weath	7,909 4305,387 21.8% 78.2% uuch storage in Nov, this is ner plus	(98.409) 52,553 13,036 389,455 11.9% 88.1% 308,169 No	13,036 406,578 8.0%	45,241 175,053 10,426 209,665 45.5% 54.5% No	10,426 222,622 42.1%	3,386 89,759 6,810 177,155 33.6% 66.4% 208,194 No	6,810 204,808 23.3%

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_	Missouri Gas Energy											
2	GR-2001-382											
أدا												
	Table 3-3: Effect of revised daily flowing	na sunnties on expea	ted end-of-mor	ith (EOM) stor	age inventory							
	Information Known As Of:	11/27/2000	12/21/2000	1/24/2001	2/21/2001							
	From Storage Analysis Report:	Nov-00	Dec-00	Jan-01	Feb-01							
۳	Forecasted demand and storage inj & w		12/20/2000	1/23/2001	2/20/2001							
99	entered for actual HDD through:		1220.200									
	Actual HDD through this date	728	854	796	691							
	Forecasted HDD for remainder of month		553	301	248							
	Known & expected HDD for month	832	1,407	1,097	939							
	Expected monthly HDD as % of normal	Topic to the second of the sec	131.1%	90.1%	99.3%							
403	HDD (calculated this - not in report)	1 (25.5%)										
	Revised Expected EOM Storage Balar	nces:										
	EOM Storage Balances from above	12,718,265	5,745,612	5,341,774	2,848,859							
	Plus additional inv from prior month(s)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1,735,380	2,223,227	2,264,674							
	Plus additional demand that would have	1,735,380	487,847	41,447	(2,303,588)							
	been covered with flowing supplies inst										•	
	of storage w/d											
108		14,453,645	7,968,839	7,606,448	2,809,945							
109	Storage inv expected for normal weather	programation for the second control of the second	11,019,530	6,339,710	2,704,973							
	Excess from storage for colder weather		3,050,691	(1,266,738)	(104,972)							
<u> </u>	So need to recover any excess w/d in n		98,409	(45,241)	(3,386)							
Ι.	month (per day) or can w/d any addition		32,100	(,,	(4,555)							
1	rtornon'	1										
111												
112	•											
113												
	Table 3-4: Effect of revised daily flowing					11 01	Total	1				
115		Nov-00	Dec-00	Jan-01	Feb-01	Mar-01 910,533		A-4I				
_	Actual EOM Storage Balances	12,093,008	5,365,298	5,194,775	2,726,825	-	16,856,032	Actual				
117	Plus additional inv from prior month(s)		1,735,380	2,223,227	2,264,674	(38,914)						
1	Plus additional demand that would have	e <u>1,735,380</u>	<u>487,847</u>	<u>41,447</u>	(2,303,588)	486,762	1					
i i	been covered with flowing supplies inst	ead										
118	of storage w/d	ļ										
119	Sut	btotal 13,828,388	7,588,525	7,459,449	2,687,911	1,358,381						
120	Actual Expected Net Withdrawals	3,938,177	6,239,863	129,076	4,771,538	1,329,530	16,408,184	Expected				
121												
122	Table 3-5: Comparison of Company a	nd Staff FOM planne	d flowing supp	lies and storag	e withdrawals	•						
<u> </u>	Table 1 21 Carriponion of Company of				,		n: Expected storage	ne withdrawal	and flowing	Ì		
123		Compa	ny Planned De	mand to be me	t with:		olies for Company					
۳	T	Joinpai	Flowing	to be me		Supp	and the Company	picamico nom				
1			Supplies as		Storage as				Storage as			
1			% of Daily	Daily	% of Daily	Daily	Flowing Supplies	Daily	% of Daily			
1	Normal Daily Avi	g Daily Flowing		Storage w/d	Avg for	Flowing	as % of Daily	Storage w/d	Avg for			
124			Month	ō	Month	Supplies	Avg for Month	6	Month			
125		942 107,622	41.6%	142,605	55.1%	165,468	63.9%	93,474	36.1%			
126		418 289,650		98,274	25.2%	305,387	78.2%	85,031	21.8%			
127		,008 405,241	91.7%	55,970		406,578			8.0%			
128		,718 304,893	79.3%	86,908	22.6%	222,622	57.9%	162,096	42.1%			
129		,914 189,106	70.8%	65,235	24.4%	204,808		62,106				
130	1						<u></u>	· · · · · · · · · · · · · · · · · · ·		•		
131												
131	<u> </u>											

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1	Missouri Gas	Energy			_								
2	GR-2001-382												
3													
132	10		00 Ab 15 Al			مرسط الندم		Ca	atatad :-				
122		hat wants to allow 500,00 e was fuller than anticipa							stateo in				
134	-	a was luller than anticipa	ited (Noved 500)	000 10 811 133	CONTRACT TO GINO	1 101 11010111	oer injections						
134	<u></u>	ned for Nov-00 would inc	hido plooped 4 (000 000 Tee .	450 000 100 (43D 222 <i>H</i>	and when the E	COLANG(4 f	120 160				
135	, ,	ber compared to 150,16					ay) plus lie r	-EFLWS W/0 (120,100				
136	planned to Hovell	ber compared to 150,100	o noted as north		(120 (esponse)								
	3 Report for number	rs in previous column sh	ows Oct 31 hala	nce as 15 093	505 which wo	ild not includ	e the ISS hal	ance of 500 00i) However				
137		t start of November to us											
138				, ,,					Ū				
\Box	4 The forecasted h	IDD for the remainder of	Dec is only thro	ough 12/30/00	so the HDD a	nd the stora	ge balances :	are adjusted to	include 12/3	1/00			
139	- based on Compa	ny rationale. Additional d	emand for 39 HI	DD is 433,822	(taken from 12	2 which had	39 HDD).	-					
140			2/31 demand is:	,,									
140 141 142		These are taken f		(51,219)									
142		Storage Analysis		(9,997)		-							
		the same each da forecasted dates	•	(25,835)				s W\$ and Dec					
143	•	12/30	U) 122) -	(230,982)	plan is 6,339 WNG Flowir		·>)						
145		,200			needed from	-							
143 144 145 146				,,,,,,		-							
		that storage reports avail	able from Willian	ms about the 1	3th of the moni	h for the pric	r month. So (Company knew	actual prior				
		nce when nominations m											
148			•	- °									
	6 Recall that Nove												

Schedule MTL-39, page 10 Is Highly Confidential

Missouri Gas Energy GR-2001-382

	NYMEX	
Month	Closing Price	Date
November, 2000	4.541	10/28/00
December, 2000	6.016	11/28/00
January, 2001	9.978	12/27/00
February, 2001	6.293	1/29/01
March, 2001	4.998	2/26/01

Source:

NYMEX closing prices taken from The Wall Street Journal

MGE Case No. GR-2001-387

Month of		Mo	nth Hedged		
purchase	Nov-00	Dec-00	Jan 2001	Feb-01	Mar-01
Jun-00	4.312	4.388	4.376	4.138	3.898
Jul-00	4.048	4.136	4.129	3.942	3.758
Aug-00	4.520	4.591	4.557	4.308	4.063
Sep-00	5.240	5.340	5.298	5.028	4.752
Oct-00	5.139	5.177	5.166	4,959	4.724
Average	4.652	4.726	4.705	4.475	4.239

Source: Nymex closing prices simple average by month Date: March 22, 2002

lune	6/1/00	6/2/00	6/5/00	6/6/00	6/7/00	6/8/00	6/9/00	6/12/00	6/13/00	6/14/00	6/15/00	6/16/00	6/19/00	6/20/00	6/21/00	6/22/00	6/23/00	6/26/00	6/27/00	6/28/00	6/29/00	6/30/00	
June				\longrightarrow				4.215	4.168	4.250	4.404	4.455	4.155	4,186	4,413	4.543	4.446	4.525	4,600	4.415	4.423	4.466	4.312
Nov-00	4.150	4.092	4.383	4.286	3.983	4.140	4.155							4.285	4.500	4.620	4.521	4.595	4.665	4.485	4.493	4.536	4.388
Dec-00	4.250	4.187	4.465	4.355	4.070	4.215	4.220	4.280		4.320		4.530								4,465	4.471	4.516	4.376
Jan-01	4.260	4.192	4,465	4.350	4.070	4.205	4.210	4.268	4.232	4.309	4.454	4.513	4.213	4.275	4.486		4.503	4.575					
Feb-01	4.055		4.245	4 135	3.860	3,990	3.994	4.049	4,015	4.082	4.216	4.271	3.971	4.040	4.236	4.342	4.243	4.297	4.360	4.195	4,200		4.138
				9,100		3.773	3.776	3.830	3.798	3.855	3.976	4.021	3.730	3,810	3.980	4.078	3.983	4,019	4.080	3.925	3.930	3.965	3.898
Mar-01	3 845	3 785	4.020	3.920	3.652	3.7731	3.7701	\$, 0 30	3.130	3.000	3.310	7.02.1	0.10	9	0,040	11010							

Links	7/5/00	7/6/00	7/7/00	7/10/00	7/11/00	7/12/00	7/13/00	7/14/00	7/17/00	7/18/00	7/19/00	7/20/00	7/21/00	7/24/00	7/25/00	7/26/00	7/27/00	7/28/00	7/31/00	Avg
Nov-00		4.100	4,302	4.290	4.306	4.101	4.218	4.205	4.064	4.085	3.955	3.932	3.907	3.810	3.760	3.890	3.951	3.956	3.906	4.048
Dec-00		4.185	4.390	4.385	4,400	4.195	4.305	4.295	4.150	4.165	4.043	4.015	3.987	3.892	3.843	3.975	4,050	4.061	4.020	4.136
Jan-01		4.180			4.395	4,191	4.295	4.280	4.138	4.150	4.034	4.005	3.979	3.890	3,841	3.970	4.048	4.060	4.019	4.129
Feb-01	3.95	3.945			4.175	3.981	4.090	4.090	3.963	3.975	3.866	3.842	3.819	3.735	3.696	3.810	3.888	3.905	3.869	3.942
Mar-01	+	3,705	3.905	3.920	3.955	3.786	3.895	3.900	3.788	3.802	3.702	3.682	3.659	3.585	3.553	3.660	3.7 <u>38</u>	3.753	3.719	3.758

	214/00	0/0/00	8/3/00	8/4/00	8/7/00	8/8/00	8/9/00	8/10/00	8/11/00	8/14/00	8/15/00	8/16/00	8/17/00	8/18/00	8/21/00	8/22/00	8/23/00	8/24/00	8/25/00	8/28/00	8/29/00	8/30/00	8/31/00	Avg
August	8/1/00	8/2/00			4.390		4.455	4.488		4.371	4.299	4,474	4.491	4.530	4,800	4.590	4.652	4.602	4.683	4.736	4.697	4.850	4.840	4.520
Nov-00	4.080	4.297	4.342				4.505	4.538	4.550		4.373		4.575		4.862	4,665	4,720	4.670	4.750	4.800	4.770	4.920	4.910	4.591
Dec-00	4.180	4.395	4.442	4.440	4.450		4,503	4.510	4.522	4.422	4.353	4.505	4,540	4.579	4.810	4.625	4.667	4.620	4.696	4.744	4.720	4.861	4.850	4.557
Jan-01	4.175	4.385	4.432		4.425					4.177	4.120	4.249		4.324	4.540	4.368	4,399	4.352	4.432	4.480	4.465	4.590	4,580	4.308
Feb-01	4.005	4.190	4.227	4.205	4.180		4.212	4.245	4.258		3.895	4.000	4.035	4.074	4 267	4.110	4.133	4.089	4.162	4.213	4.205	4.323	4.315	4.063
Mar-01	3 840	3.995	4.022	3.990	3.938	3.948	3.955	3.986	4.001	3.942	3.693	4.000	4.000	4.074	4.201	4.110	7.100		7.102	7.2.3				

Castombas	9/1/00	9/5/00	9/6/00	9/7/00	9/8/00	9/11/00	9/12/00	9/13/00	9/14/00	9/15/00	9/18/00	9/19/00	9/20/00	9/21/00	9/22/00	9/25/00	9/26/00	9/27/00	9/28/00	9/29/00	Avg
September	4.905	5.030	5,157	5.100	4.999	5.135	5.105	5,157	5.312	5.300	5,394	5.477	5.433	5.402	5.266	5.412	5.450	5.447	5.124	5.186	5.240
Nov-00 Dec-00	4.975	5.104	5,233	5.187	5.100		5.209	5.260	5,412	5.400	5,495	5,585	5.548	5.517	5.383	5.525	5.565	5.562	5.231	5.281	5.340
	4.975	5.043	5.172		5.070	-	5.178	5.225	5.367	5.355	5.445	5.525	5,495	5.470	5.350	5.485	5.525	5.522	5.222	5.256	5.298
Jan-01	4.640	4.763	4.884	4.865		4.938	4.913	4.955	5.088	5.075	5,152	5.228	5.210	5.203	5.100	5.225	5.260	5.257	4.971	5.026	5.028
Feb-01	4.365	4.483	4.597	4.580	4,540		4.636	4.675	4.799	4.785	4.855	4.930	4.923	4.923	4.840	4.960	4.990	4.988	4.727	4.778	4.752
Mar-01	4,3001	4.400	4.357	4.500	4,040	7.001	4.000	4,0,0	7.100	100	,,,,,,										

Nov-00 5.352 5.348 5.290 5.152 5.008 5.150 5.134 5.508 5.630 5.537 5.364 5.439 5.228 4.951 4.937 5.072 4.820 4.659 4.664 4.541 5.136	0-4-5	40/2/00 10	0/3/00	10/4/00	10/5/00	10/6/00	10/9/00	10/10/00	10/11/00	10/12/00	10/13/00	10/16/00	10/17/00	10/18/00	10/19/00	10/20/00	10/23/00	10/24/00	10/25/00	10/26/00	10/27/00	10/30/00	10/31/00	Avg
Nov-00 5.352 5.438 5.383 5.248 5.113 5.250 5.236 5.599 5.728 5.649 5.492 5.553 5.349 5.071 5.055 5.193 4.940 4.771 4.753 4.652 4.485 4.490 5.173	October	10,2,00						5 134	5.508	5.630	5.537	5.364	5.439	5.228	4.951	4.937	5.072	4.820	4.659	4.664	4.541			5.139
Dec-01 5.400 5.398 5.348 5.215 5.085 5.217 5.211 5.511 5.693 5.624 5.475 5.535 5.344 5.081 5.062 5.200 4.960 4.795 4.777 4.677 4.520 4.531 5.166												5.492	5,553	5.349	5.071	5.055	5.193	4.940	4,771	4.753	4.652	4.485	4.490	5.177
											5.624	5.475	5.535	5.344	5.081	5.062	5.200	4.960	4,795	4.777	4.677	4.520	4.531	5.166
<u> </u>		01.11										5.242	5.295	5.121	4.891	4.875	5,000	4.780	4.612	4.597	4.497	4.352	4.381	4.959
Feb-01 5.160 5.158 5.118 5.000 4.881 5.007		0,1		_								4.991	5.040	4.877	4,658	4.646	4.757	4.555	4.400	4.382	4.287	4.157	4.191	4.724

Summary of Jenkins' Proposed Storage Utilization - Normal Winter

Line No.	Description	Source	Nov	Dec	Jan	Feb	Mar	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	Normal Monthly Demand (Jenkins Estimate)	[1]	7,686,797	11,857,776	13,298,119	10,480,179	8,063,218	51,386,089
2	"Warmest Month" Demand (Jenkins Estimate)	[2]	5,114,040	8,778,425	9,553,239	7,500,164	6,454,014	37,399,882
3	Proposed Storage Withdrawals	[3]	2,572,757	3,079,351	3,744,880	2,980,015	1,609,204	13,986,207
4	MGE's Total Storage Capacity	[4]						17,767,629
5 6	Unutilized Storage in Normal Winter Under Jenkins' Proposal % of Jenkins' Proposed Unutilized Storage Capacity to Total Capacity	[5] [6]					1	3,781,422 21.3%

NOTE: All figures above were taken from Jenkins' Supplemental Direct Workpaper entitled "MGE Scenario for REV Base Case and Low Case from Regression" that is presented as Schedule MTL-39 and which she used to develop her storage utilization disallowance proposal. The specific tabs in that spreadsheet from which the data above was sourced are noted below.

Source

- [1] Tab "FOM Plans- REV", Table 3-2, line 78, columns C, E, G, I and K.
- [2] Tab "FOM Plans- REV", Table 3-2, line 91, columns C, E, G, I and K.
- [3] Line 1 minus Line 2.
- [4] Tab "Normals & Forecasted EOM", Total MSQ all storage contracts (Note no line or column numbers were provided on this tab of the Workpaper).
- [5] Line 4 minus Line 3.
- [6] Line 3 divided by Line 5.

Inaccuracy of Ms. Jenkins' Regression at Estimating MGE's Demand

		Fron	n Schedule N	ITL-14	Estimated Demand Produced by Jenkins'	% Difference between Actual Demand	% HDD is Above/	If Demand Growth is Considered, Demand Variance
Line	•	Actual	Normal	Actual	Regression	and	(Below)	Would be
No.	Description	HDD	HDD	Demand	(No Growth)	Estimated Demand	Normal	Slightly
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	Nov-97	710	657	7,923,099	8,152,126	3%	8%	
2	Dec-97	978	1073	11,478,932	10,832,857	-6%	-9%	M 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3	Jan-98	945	1218	11,443,336	10,507,495	-8%	-22%	WORSE
4	Feb-98	662	946	8,431,917	7,602,079	-10%	-30%	WORSE
5	Mar-98	797	691	9,774,280	9,048,296	-7%	15%	
6	Total			49,051,564	46,142,853			
7	Nov-98	503	657	5,509,211	6,111,219	11%	-23%	BETTER
8	Dec-98	940	1073	10,788,379	10,458,198	-3%	-12%	
9	Jan-99	1145	1218	13,190,277	12,479,386	-5%	-6%	
10	Feb-99	674	946	7,913,473	7,720,392	-2%	-29%	
11	Mar-99	666	691	7,885,820	<u>7,7</u> 56, 7 07	-2%	-4%	
12	Total			45,287,160	44,525,902			
13	Nov-99	391	657	4,414,515	5,006,961	13%	-40%	SAME
14	Dec-99	888	1073	9,843,466	9,945,506	1%	-17%	
15	Jan-00	1052	1218	11,490,604	11,562,457	1%	-14%	
16	Feb-00	685	946	8,165,749	7,828,846	-4%	-28%	
17	Mar-00	537	691	6,042,011	6,484,838	7%	-22%	
18	Total			39,956,345	40,828,608			
19	Nov-00	833	657	8,899,925	9,364,839	5%	27%	
20	Dec-00	1445	1073	16,074,078	15,437,222	-4%	35%	
21	Jan-01	1113	1218	12,718,983	12,163,883	-4%	-9%	
22	Feb-01	996	946	11,009,323	10,895,136	-1%	5%	
23	Mar-01	764	691	8,348,578	8,722,934	4%	11%	
· 24	Total			57,050,887	56,584,014			
25	Nov-01	398	657	4,317,691	5,075,977	18%	-39%	WORSE
26	Dec-01	844	1073	9,996,257	9,511,690	-5%	-21%	- Marchael assessment (1 magagement)
27	Jan-02	974	1218	10,624,016	10,793,419	2%	-20%	
28	Feb-02	756	946	8,404,975	8,528,867	1%	-20%	
29	Mar-02	759	691	8,465,251	8,673,637	2%	10%	
30	Total			41,808,190	42,583,590			

In 5 of the past 25 months, Ms. Jenkins' demand estimate would vary from the actual demand by 10% or more

Estimation of MGE's Monthly Winter Demand Using Jenkins' Supplemental Direct Testimony Regression

(All demand figures below produced using the demand estimation model reflected in Jenkins' Supplemental Direct Workpaper titled "MGE Regression Using MTL-14 and DR 146")

				No. of	Estimat	ed Demand (in	MMBtu)
Line			Actual	Days			Total
No.	Descrip	tion	HDD	in Month	Baseload	<u>H</u> eatload	(No Growth)
	(a)		(b)	(c)	(d)	(e)	(f)
1	Baseload Factor =	38,397.13					
2	Heatload Factor =	9,859.45					
3		Nov-97	710	30	1,151,914	7,000,212	8,152,126
4		Dec-97	978	31	1,190,311	9,642,546	10,832,857
5		Jan-98	945	31	1,190,311	9,317,184	10,507,495
6		Feb-98	662	28	1,075,120	6,526,959	7,602,079
7		Mar-98	797	31	1,190,311	7,857,985	9,048,296
8		Total		·	5,797,967	40,344,886	46,142,853
9		Nov-98	503	30	1,151,914	4,959,305	6,111,219
10		Dec-98	940	31	1,190,311	9,267,887	10,458,198
11		Jan-99	1145	31	1,190,311	11,289,075	12,479,386
12		Feb-99	674	28	1,075,120	6,645,272	7,720,392
13		Mar-99	666	31	1,190,311	6,566,396	7,756,707
14		Total		·	5,797,967	38,727,935	44,525,902
15		Nov-99	391	30	1,151,914	3,855,047	5,006,961
16		Dec-99	888	31	1,190,311	8,755,195	9,945,506
17		Jan-00	1052	31	1,190,311	10,372,146	11,562,457
18		Feb-00	685	28	1,075,120	6,753,726	7,828,846
19		Mar-00	537	31	1,190,311	5,294,527	6,484,838
20		Total		,	5,797,967	35,030,641	40,828,608
21		Nov-00	833	30	1,151,914	8,212,925	9,364,839
22		Dec-00	1445	31	1,190,311	14,246,911	15,437,222
23		Jan-01	1113	31	1,190,311	10,973,572	12,163,883
24		Feb-01	996	28	1,075,120	9,820,016	10,895,136
25		Mar-01	764	31	1,190,311	7,532,623	8,722,934
26		Total			5,797,967	50,786,047	56,584,014
27		Nov-01	398	30	1,151,914	3,924,063	5,075,977
28		Dec-01	844	31	1,190,311	8,321,379	9,511,690
29		Jan-02	974	31	1,190,311	9,603,108	10,793,419
30		Feb-02	756	28	1,075,120	7,453,747	8,528,867
31		Mar-02	759	31	1,190,311	7,483,326	8,673,637
32		Total			5,797,967	36,785,623	42,583,590
	Source:	[1]	[2]		[3]	[4]	[5]

Sources

^[1] Baseload and heatload factors from Jenkins' Supplemental Direct workpaper entitled "MGE Regression Using MTL-14 and DR 146".

^[2] Actual HDD from Schedule MTL-14.

^[3] Baseload demand calculated as Baseload Factor times No. of Days.

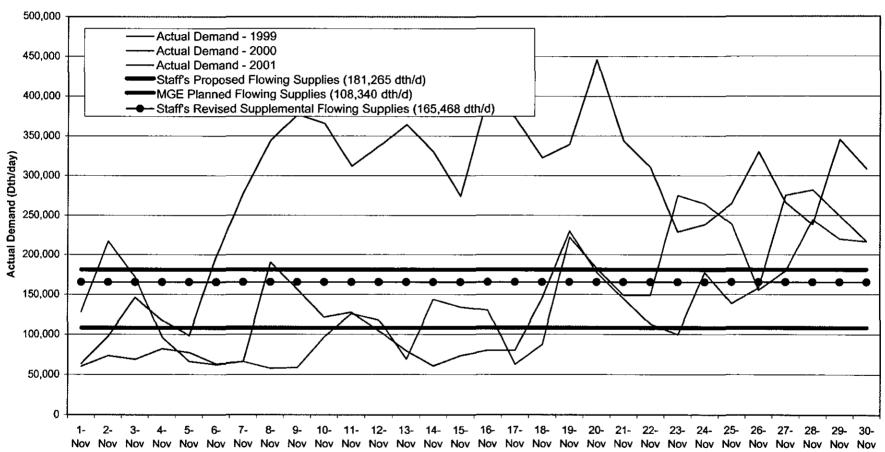
^[4] Heatload demand calculated as Heatload Factor times Actual HDD.

^[5] Column (d) plus column (e).

Schedule MTL-42 Is Highly Confidential

Schedule MTL-43 Case No. GR-2001-382

Comparison of MGE's Planned Flowing Supplies versus Staff's "Original" and "Revised Supplemental" Proposals Based on Actual Daily Demand for Novemer 1999, 2000 and 2001



1999	2000	2001	Total
10	3	14	27
21	5	24	50
19	5	22	46
	10 21	10 3 21 5	10 3 14 21 5 24