Missouri Gas Energy Hypothetical Example of the Inadequacy of A DCF Return Rate Related to Book Value When Market Value is Greater / Less than Book Value

<u>1</u> <u>2</u> <u>3</u>

Line No.	_	_Mar	ket Value	N	ook Value with larket to Book Ratio of 180%	ook Value with ket to Book Ratio of 80%
1.	Per Share	\$	24.00	\$	13.33	\$ 30.00
2.	DCF Cost Rate (1)		10.00%		10.00%	10.00%
3.	Return in Dollars	\$	2.400	\$	1.333	\$ 3.000
4.	Dividends (2)	\$	0.840	\$	0.840	\$ 0.840
5.	Growth in Dollars	\$	1.560	\$	0.493	\$ 2.160
6.	Return on Market Value		10.00%		5.55% (3)	12.50% (4)
7.	Rate of Growth on Market Value		6.50% (5)		2.05% (6)	9.00% (7)

Notes: (1) Comprised of 3.5% dividend yield and 6.5% growth.

- (2) \$24.00 * 3.5% yield = \$0.840.
- (3) \$1.333 / \$24.00 market value = 5.55%.
- (4) \$3.000 / \$24.00 market value = 12.50%.
- (5) Expected rate of growth per market based DCF model.
- (6) Actual rate of growth when DCF cost rate is applied to book value (\$1.333 possible earnings \$0.840 dividends = \$0.493 for growth / \$24.00 market value = 2.05%).
- (7) Actual rate of growth when DCF cost rate is applied to book value (\$3.000 possible earnings \$0.840 dividends = \$2.160 for growth / \$24.00 market value = 9.00%).

Missouri Gas Energy Indicated Common Equity Cost Rate Through Use of the Single Stage Discounted Cash Flow Model for the Proxy Group of Nine Value Line Natural Gas Distribution Companies

Based upon Projected Growth in EPS

	1	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
	Average Dividend Yield (1)	Dividend Growth Component (2)	Adjusted Dividend Yield (3)	Growth Rate (4)	Indicated Common Equity Cost Rate (5)
Proxy Group of Nine Value Line Natural Gas Distribution Companies					
AGL Resources Inc. Atmos Energy Corp. The Laclede Group, Inc. New Jersey Resources Corp. Northwest Natural Gas Co. Piedmont Natural Gas Co., Inc. South Jersey Industries, Inc. Southwest Gas Corporation WGL Holdings, Inc.	5.37 % 5.36 3.35 3.07 3.61 3.82 3.05 3.62 4.31	0.11 % 0.12 0.08 0.12 0.11 0.15 0.11 0.10 0.08	5.48 % 5.48 3.43 3.19 3.72 3.97 3.16 3.72 4.39	4.25 % 4.65 4.50 7.90 6.10 7.65 7.25 5.75	9.73 % 10.13 7.93 11.09 9.82 11.62 10.41 9.47 8.14
Average	<u>3.95</u> %	<u>0.11</u> %	<u>4.06</u> %	<u>5.76</u> %	<u>9.82</u> %
Median	3.62_%	<u>0.11</u> %	<u>3.72</u> %	<u>5.75</u> %	9.82 %
Southern Union Company	<u>4.49</u> %	<u> </u>	<u>4.69</u> %	9.05_%	<u>13.74</u> %

Notes:

(1) From Schedule FJH-12.

- (2) This reflects a growth rate component equal to one-half the conclusion of growth rate (from page 1 of Schedule FJH-14) x Column 1 to reflect the periodic payment of dividends (Gordon Model) as opposed to the continuous payment. Thus, for AGL Resources Inc., 5.37% x (1/2 x 4.25%) = 0.11%.
- (3) Column 1 + Column 2.
- (4) From page 1 of Schedule FJH-14.
- (5) Column 3 + Column 4.

Missouri Gas Energy Derivation of Dividend Yield for Use in the <u>Discounted Cash Flow Model</u>

		Dividend Yield	
	Spot (2/13/2009)(1)	Average of Last 2 Months (2)	Average Dividend Yield (3)
Proxy Group of Nine Value Line			
Natural Gas Distribution Companies			
AGL Resources Inc.	5.34 %	5.40 %	5.37 %
Atmos Energy Corp.	5.24	5.47	5.36
The Laclede Group, Inc.	3.40	3.30	3.35
New Jersey Resources Corp.	3.16	2.97	3.07
Northwest Natural Gas Co.	3.60	3.63	3.61
Piedmont Natural Gas Co., Inc.	4.00	3.65	3.82
South Jersey Industries, Inc.	3.15	2.95	3.05
Southwest Gas Corporation	3.72	3.53	3.62
WGL Holdings, Inc.	4.24	4.38	4.31
Average	3.98 %	3.92 %	3.95 %
Median	3.72 %	3.63 %	3.62 %
Southern Union Company	4.35_%	<u>4.63</u> %	<u>4.49</u> %

Notes:

- (1) The spot dividend yield is the current annualized dividend per share divided by the spot market price on 2/13/2009.
- (2) The average 2-month dividend yield was computed by relating the indicated annualized dividend rate and market price on the last trading day of each of the Two months ended 1/31/2009.
- (3) Equal weight has been given to the 2-month average and spot dividend yield. This provides recognition of current conditions, but does not place undue emphasis thereon.

Source of Information: yahoo.finance.com

Missouri Gas Energy

Current Institutional Holdings and Individual Holdings for the Proxy Group of Nine Value Line Natural Gas Distribution Companies and Southern Union Company

	<u>1</u>	<u>2</u>
	February 13, 2009 Percentage of Institutional Holdings	February 13, 2009 Percentage of Individual Holdings (1)
Proxy Group of Nine Value Line Natural Gas Distribution Companies		
AGL Resources Inc. Atmos Energy Corp. The Laclede Group, Inc. New Jersey Resources Corp. Northwest Natural Gas Co. Piedmont Natural Gas Co., Inc. South Jersey Industries, Inc. Southwest Gas Corporation WGL Holdings, Inc.	66.10 % 58.49 51.52 58.61 57.72 44.85 57.30 75.03 0.00	33.90 % 41.51 48.48 41.39 42.28 55.15 42.70 24.97 100.00
Average	<u>52.18</u> %	<u>47.82</u> %
Median	<u>57.72</u> %	<u>42.28</u> %
Southern Union Company	<u>75.09</u> %	<u>24.91</u> %

Notes: (1) (1 - column 1).

Source of Information: today.reuters.com, updated February 13, 2009

Missouri Gas Energy Historical and Projected Growth

	<u>1</u>	<u>2</u>		<u>3</u>
	Value Line Projected Growth 2011- 2013 (1) EPS	Reuters Me Consensus Pro Five Year Grow	jected	Average Projected Five Year Growth Rate in EPS (2)
Proxy Group of Nine Value Line Natural Gas Distribution Companies	- •			•
AGL Resources Inc. Atmos Energy Corp. The Laclede Group, Inc. New Jersey Resources Corp. Northwest Natural Gas Co. Piedmont Natural Gas Co., Inc. South Jersey Industries, Inc. Southwest Gas Corporation WGL Holdings, Inc.	3.00 % 4.50 4.50 9.50 7.00 7.50 6.00 6.50 3.50	5.50 % 4.80 NA 6.30 5.20 7.80 8.50 5.00 4.00	[2] [5] NA [3] [3] [4] [2] [3] [1]	4.25 % 4.65 4.50 7.90 6.10 7.65 7.25 5.75 3.75
Average	<u>5.78</u> %	<u>5.89</u> %		<u>5.76</u> %
Median	6.00%	<u>5.35</u> %		<u>5.75</u> %
Southern Union Company	9.50_%	8.60 %	[1]	9.05_%

NA= Not Applicable

Notes: (1) As shown on pages 2 through 11 of this Schedule.

(2) Average of Columns 1 and 2.

Source of Information: Value Line Investment Survey Standard Edition December 12,

Reuters Company Research February 13, 2009

AGL RESOURCE	SNY	SE-ATG		RE	CENT ICE	28.5	4 PIE RATIO	10.2	2 (Trallb Media	1g: 11.0) in: 14.0)	RELATIVI P/E RATI	1.0	O SYLD	6.0	%	ALU LINE		
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5.9% 5.4% 5.9% 6.2% CAPITAL STRUCTURE as of 9/30	5.6% JOB	5,4%	5.5% 1338,6	1068.6	607.4	1049.3	868.9	983.7	1832.0	2718.0	2621.0	2494.0	2725	2800	Revenu	es (\$mill)	-	3300
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Common Stock 76,760,439 shs. as of 10/22/08			11.1%	7.1%	10.2%	12.3%	14.5%											
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Ploneer shareholders. En	ergas changed	16.4	33.0	18.9	15,6	15.2	13,4	15,9	16,1	13,5	15.9	13.6		Avg An	'I P/E Ra	llo	14.5
name to Almos in 1988. <i>P</i> Ins Louisiana Gas in 1986,		.80 3.7%	1.88 4.1%	1.23 5,9%	.80 5.1%	.83 5.4%	.78 5.2%	.84 4.9%	.86 4,5%	.73 4.7%	.83 4.2%	.80 4.8%			P/E Ralid Y Divid Y		.95 4.0%
ky Gas Utility in 1987, G	Freeley Gas in	848.2	690.2	850.2	1442.3	950,B	2799,9	2920.0	4973,3	6152.4	5898.4	7221,3	B000		s (\$mill)	A	10700
93, United Cilles Gas in 19 PITAL STRUCTURE as of 6/31		55.3 36,5%	25.0 35,0%	38.1%	56.1 37.3%	59.7 37.1%	79,5 37,1%	86.2 37,4%	135.8 37.7%	162,3 37.6%	170.5 35.8%	180.3 38.4%		Nel Pro			40.0%
al Debt \$2234.0 mill. Due in 5 Debt \$2119.7 mill. LT Intere	Yrs \$920.0 mill.	6.5%	3.6%	3.8%	3.9%	6.3% 53.9%	2,8% 50.2%	3.0% 43.2%	2.7% 57.7%	2.6% 57.0%	2.9% 52.0%	2.5% 51.0%		Not Pro	it Margin rm Debi i	Pallo	2.6% 51.0%
interest earned: 2.9x; total inte		51.8% 48.2%	50.0% 50.0%	48.1% 51.9%	54.3% 45.7%	46.1%	49.8%	58.8%	42.3%	43.0%	48,0%	49.0%	49.0%	Commo	n Equity I	Ratio	49.0%
/erage: 2.8x) asos, Uncapitalized Annual rer	ntals \$18.9 ml/l.	769.7 917.9	755.1 965,8	755.7 982.3	1276.3 1335.4	1243.7 1300.3	1721.4 1516.0	1894.8 1722.5	3785,5 3374.4	3828.5 3629.2	4092.1 9836.8	4170 4135		Total Ca Net Plan	pilat (\$mi u <i>(</i> \$mili)	III)	. 6000 5800
l Slock None nsion Assets-9/07 \$389.1 mill.	2E E	9.0%	5,1%	6.5%	5.9%	6.8%	6.2%	5,8%	5,3%	6.1%	5,9%	6.0%	6.0%	Return	n Total C		6.0%
Oblig. \$3 mmon Stock 90,627,522 shs.	NO.D HIIL	14.9%	6,6% 6,6%	8.2% 8.2%	9.6%	10.4%	9,3% 9,3%	7.6% 7.6%	8.5% 8.5%	9.8% 9.8%	8.7% 8.7%	9.0%			on Shr. Er on Com E		9.5% 9.5%
of 7/31/08 ARKET CAP: \$2.1 billion (Mid	Cap) 2007 6/30/08	8.3% 58%	NMF NMF	NMF 112%	2.1% 78%	1.9%	2.8% 70%	1.7% 77%	2.3% 73%	3.6% 63%	3.0% 65%	3.0% 65%	3.5%	Retaino	d to Com Is to Net	Eq	4.0% 58%
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2007 32 32 32 2008 325 325 32 3) Fiscal year ends Sopt. 30th ars, Excl. nonrec. Items: '99, d2 3, d17¢; '98, d18¢; '07, d2¢, t	5 .33 . (B) Diluted es 23¢; 00, 12¢; ve Vext ens. ml. ev	had dy March, streent pl	June, S en. Dire	ccess	a iir	purcha le of Div. rein- se plan	creait	wne	n the	Fred to to cha d Cilles n	<i>derick</i> inge in : norger 7 <i>i</i>	(Above L. Hashrs Co shrs Co St 97. Pr	mpany's ock's Pri ice Grov	s Financ Ice Stab vth Pers	lal Stren lity stence		B+ 100 40
e eerly Fob. (C) Dividends histo 2008, Valuo Lina Pubsishoo, Inc. Al E Publisher is Not responsibl I may be reproduced, resold, stored or													mings F SUbs	redictal	ility	700 D	08

	LACLEDE GROU	JP _{NYS}	E-LG		RE	CENT ICE	48.8	9 PIE RATIO	21.	2 (Trailin Media	ig: 18.4 in: 15.0	RELATIVE P/E RATIO		O DIV'D Yld	3.1	%	ALUI LINE		
Committee Comm		High:	28.6	27.9 22.4	27.0 20.0	24.8 17.5	25.5 21.3	25.0 19.0	30.0 21.8	32.5 26.0	34.3 26.9	37.5 29.1	36.0 28.8	55.8 31.9			Target 2011	Price 2012	Range 2013
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The property is a second of	2011-13 PROJECTIONS	Shaded at Luiest recu	rea: prior i ession bega	ecession in 12/07								(listalli	THHU1	ntull	•				1 1
Indicate positions		Phillipsiih.	100000	الالتانات	1,,11111	1	100	tarlith.	11,1111111	1148,									
Page 19 19 19 19 19 19 19 1	Insider Decisions					In.	퐾	,	3*****					. ;	ļ			 	15
Signate Sign	O G G G G G G G G G G G G G G G G G G G	┡				*********		.,,,,	****	***,,****,	*********	*****	*****		 	<u> </u>	 		1 1
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1-22 1-22 1-24 1-25 1-36 1-32 1-34 1-34 1-34 1-34 1-35 1-37 1-40 1-45	2.32 2.81 2.65 2.55	3.29																	2.85
287 288 289 288 289	1,20 1,22 1,22 1,24	1,26	1,30	1.32	1.34	1,34	1,34	1,34	1,34	1,35	1.37	1.40							
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Clusters Coverage Substitute Coverage Cove	Total Debt \$388.0 mill. Due in 5	Yrs \$275.0	mil.	27,9	26.9	26.0	30.5												
Leeness, Uncopilalized Annual renales \$5 mill.		424 ,0 m		5.1%	5,5%	4.6%	3.0%	3.0%	3.3%	2.9%	2.5%	2.5%	2.5%	2.6%	2,6%	Nel Pro	iil Margin	Dalla	
Pension Assets-907 \$2003.3 mill. Did 1945.04 mill. Growth of Sick \$5.5 mill. Pfd Div'd \$5.04 mill. Pfd Div'd \$	Laures Herneltalized Annual te	niais \$.9 mi	. BIL										54.6%	55.5%	55.0%	Commo	n Equity	Rallo	53.0%
Pict Stack & Smill. Pid Div'd \$ 64 mill. Common Stack £ 257,750 ebs. 17.75 6.77 6.87 6.87 7.68 7.68 7.68 7.68 1.68 1.67 1.67 1.68 1.67 1.67 1.68 1.67 1.67 1.68 1.67 1.67 1.68 1.67 1.67 1.68 1.67 1.67 1.68 1.67 1.67 1.68 1.67 1.67 1.68 1.67 1.67 1.68 1.67 1.67 1.68 1.67 1.68 1.67 1.68 1.67 1.68 1.68 1.67 1.68 1.68 1.68 1.67 1.68 1	Pension Assets-9/07 \$250.3 mill.			438.0	488.6	519.2												10)	
MARKET CAP: \$1.1 billion [Mid Cap]	Pld Stock \$.5 mill. Pld Div'e	d \$.04 mill.		8.1%	7,1%	6.7%	6.9%	6.0%	7.4%	6.6%	7.6%	8.4%	8.5%	8.0%	7.5%	Relum	on Total (
CURRENT POSITION 2005 2007 6130/08 50% 199% 199% 199% 199% 199% 199% 199% 19									11.6%	10.1%	10,8%	12.5%	11.6%	12.0%	11.5%	Relum	on Com E	quity	11.5%
Cash Assels 499.0 414.6 395.9			ROLOELS																
Current Assels 469.8 467.3 428.9 428.9 428.5 427.5 428	(\$MILL) Cash Assels 50.8	52.7		BUSIN	IESS: Le	dede Gr	oup, inc.,	is a hole	ding com	pany for	Laclede	60%; (ommerc	lat and l	ndustrial,	24%; u	ensporte	ilon, 1%	; other,
Accts Psyable 103.3 108.8 191.4 108.1 191.4 108.1 191.4 108.1 191.4 191.5 201.5 191.5 191.4 191.5 201.5 191.5 191.4 191.5 201.5 191.5 191.5 201.5 191.5 191.5 201.5 201.	Other 409.0		395.9 428.9	city of	SL Loui	s. St. Lo	uis Coun	ly, and p	arts of 1	O other c	counties.	mixara	stelv 7.0'	% of con	ımon sha	res (1/08	proxy).	Chalma	in, Chiel
Other Libb. 120.7 147.5 75.5 155.7 Current Libb. 120.7 147.7 326.5 75.5 Current Libb. 120.7 147.7 326.5 75.5 Current Libb. 120.7 147.7 326.5 75.5 147.7 147.7 326.5 150.5 120.	Accts Payable 103.3	106.8	191.4	source	s. 1/02:	ilvested.	3/08. Th	erma solo	d and tra	nsported	in fiscal	Missau	rl. Addre	ss: 720 (Olive Str	iel, SL Li	ouis, Mis	soun ba	101. IEF
Fixed QUARTERIY PREVENUES first 2027 285% 287% 285%	Other <u>120.1</u>		75.3	2007:	1.12 mill	. Revent	ie mix to	r regulati	ed opera	lions: res	idenual,								
Fiscal Coll. Fisc	Fix. Chg. Cov. 285%	282%	285%	Gro	up's	shar	re n	et ir	ı fis	cal	2009	Miss	ourl.	is in	a mat	ure s	tage.	Inac	peing
Revenues 13.5% 15.5% 25.7% 2	of change (ner sh) 10 Yrs. 5	Yrs. fo¹	'11-'13	read	ch la	ıst ı	/ear's	leve	el, a	ttribu	table	rema	ain a	cha	llenge	. The	nor	-regu	lated
Book Value 3.0% 4.5% 5	Revenues 11.5% 1 "Cash Flow" 1.5%	5.5%	4.0% 7.0% 4.5%	mai	nly to	the d	lifficul	t com	pariso	n. Rej	gard-	divis	ion	has	promi	sing	expa	nsion	op-
Column C	Dividends 1.0%	1.0% 4.5%	2.5% 5.5%	nnrt	ton of	' profi	ts. it	appea	irs th	at the	sub-	sma	il pori	tion to) Lacl	ede G	roup's	prot	ts on
Previously unrecognized tax benefits here. Proviously unrecognized to have a respectable performance Proviously unrecognized tax benefits here. Prov	Fiscal QUARTERLY REVENUES	(\$mill.)^		lof 2	2007 1	von't	be re	epeate	d, Fu	rtheri	more,	coul	d hel	o to	offset	this.	but	it ap	pears
2006 683.2 708.8 330.6 289.0 1897.6 2007 533.5 708.8 457.9 323.3 2021.6 2008 504.0 747.7 605.5 461.8 2090.0 2009 540 540 540 2760 2760 2760 2760 2760 2760 2760 276	Ends Decial Indias dame			pres	viousľ	unre	ecogni	zed ta	ax ber	ietits .	here.	worl	cs at	this i	unctu	re. Co	onseq	rentri	, an-
This considered consolidated share net properties Following considered consolidated share net properties	2006 689.2 708.8 330.6	269.0		Mer	idwar	le. L	acled:	e En	ergy	Resor	urces	nual hetv	bott veen	om-lii 4% a	ne ad nd 5%	vance:	s cou	ld be 2011	only -2013
Fiscal EARNINGS PER SHARE APF Fiscal Year reversal of more tax-related expenses. All decent level of current dividend income, which is adequately covered by comparison of the fiscal span, Laclede Group's bottom with fiscal year. Laclede Group's bottom with single-dight to decrease roughly 5%, to \$2.50, 1.90, 1.90, 1.91, 1.	2008 504.0 747.7 505.5	451.8	2209.0	l (der	endir	g gre	ativ	on na	atural	gas	price	hori	701						
2005 78 1.05 .29 d.24 1.09 ought to decrease roughly 5%, to \$2.50, this fiscal year. Laclede Group's bottom this fiscal	Fiscal EARNINGS PER SHAR	EADF	Full	Vola	itility) ereal	, but	; we re tax	oo n relat-	oc ar ed ex	oense:	s. All	dec	ent l	evel	of Ct	ırren	t arv	ıaen	0 111-
2006 1.23 1.05 .13 d.04 2.27 this fiscal year. Laclede Group's bottom regulated 2008 .99 1.39 341 d.14 2.64 2.64 2.69 .95 1.76 .33 .05 2.50 2.60 a share) in fiscal 2010, assuming additional expansion in operating suming additional expansion in operating regulated	Ends Dec.31 Mar.31 Jun.3		1.90	0110	igs co	nside: decr	red, c	onsoli ousbl	dated v 5%	share.	e net \$2.50.	con	ilnes.	But I	urthe	r incr	eases	in th	e dis-
2008 .99 1.39 'A1 0.14 2.59 2.50 a share) in fiscal 2010, as gas segment's unexciting long-term growth suming additional expansion in operating prospects. Cal QUARTERLYDWOENDS PAID C = Gallendar Mar31 Jun.30 Sep.30 Dec.31 Veor Steady, if unspectacular, earnings in the stribulable to these shares' relatively high present quotation and our expansion of the customer have for the natural gas distribution idend.	2006 1.23 1.05 .13 2007 89 .97 .43	d,04 3 .03	2.37	this	: fisca	ıl vez	ır, La	clede	Grou	p's bo	ntom	trib:	ution	will p	probat Iv bed	ily be cause	of the	in co regi	ming. ilated
Col. QUARTERIYOMOENDS PAID Cu ender Mac31 Jun.30 Sep.30 Dec.31 Follows The creases seem achievable over the 3- to 2006 345 355 355 355 355 146 5-year timeframe. Expansion of the cusper has a for the natural gas distribution		d.14 .05	2.64	ran	ge (to	\$2.60) a sh	are) i	n fisca	al ZUL	U, as-	gas	segm	ent's ı	ınexci	ting l	ong-te	rm g	COMERI
2006 345 355 355 355 146 Steady, if unspectactiar, earnings in- 2006 345 355 355 355 1.41 Steady, if unspectactiar, earnings in- 2006 345 355 355 355 1.41 Steady, if unspectactiar, earnings in- tively high present quotation and our ex- tively high present quotation and our ex- 2006 345 355 355 355 1.45 Steady, if unspectactiar, earnings in- tively high present quotation and our ex- 2007 365 385 385 385 385 385 385 385 385 385 38	Cal- QUARTERLY DIVIDENDS	PAID Cm	Full	sun	ning E reins.	iddittic	onal e	xpans	ion ir	oper	ating	Tot	al-ret	urn	possi	bilitie	s ar	e lim	ited.
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	2006 .345 .355 .355	.355	1.41	5-v	ear t	imefr	ame.	Expa	nsion	of the	e cus-	pect	ation	of mo	oderat	e incr	eases	in th	e div-
2008 3/5 3/6 3/6 3/6 1.00 unit has been moderate for some time be- Frederick L. Harris, III December 12, 2000	200B .375 .375 .375	375	1,50	'l uni	t has	been	mode	rate f	or son	ne tin	ne be-	Fre	derick						
2009 385 (A) Fiscal year ends Sept. 30th. allions: '08, 94¢. Next earnings report due late charges, in '07: \$269.7 mill., \$13,36/sh. Company's Financial Strength B+ Stock's Price Stability 100 100 100 100 100 100 100 10	(A) Ficest year ends Sept. 30th.	Islandina II	atic	ne: '08,	94¢, Nex	t earning istoricall	s report o	dua late early	charge (E) In r	s. In '07: nillions.	\$289.7 n	nIII., \$13,	38/sh.	18	tock's Pi	ice Stab	wy	igth	100
(B) Base on a verge shares outsituding uso: 1 January, April, July, and October, a Dividend If July, e.g., may not sum due to rounding or Price Growth Persistence 60 91, tien diluted, Excludes nontectaining loss: January, April, July, and October, a Dividend Chapter of the Company of the Compa	'97, then diluted. Excludes nonte '08 74. Excludes noin from discr	coning loss	s: Jar	uary, Aj nvestme	pril, July, nt plan a	end Octo /allable.	ber. = Di (D) Incl. c	vidend Jeferred	(F) Oil	, egs. m In share	ay not su is outstar	ım dua to ıding.	rounding	or P	rice Gro arnings	wih Pers Predicte	istenco bility	anni yan	75
106, 74. Excludes gain from disconlinuario oper- i reinvesiment pion avalations. (by incl. observed to be reliable on the provided without warrantes of any kind. 2 2000, Value Line Publishing, for., All folis reserved. Focular material is obtained from sources beloved to be reliable and is provided without warrantes of any kind. 3 10 Still Serious Bulletine in the RESPONSIBLE FOR ANY ERRORS OR OMISSIONS HEREIN. This publication is shirtly for subscriber's own, non-commercial, internal use. No part of the publication of	O 2000, Value Line Publishing, Los. A THE PUBLISHER IS NOT RESPONSE	I rights reser LE FOR ANY	rved. Foct	uel materi	al is obtab SSIONS HE	ed from s REIN. TH	ources bei s publicallo	ioved to bi n is strictly	lot subsch o tellablo i	and is prov ber's own,	rided with non-comm	ut warant erdal, inter	es of ony naiuse, No	kind.) SIIDS	dille	coll 1	100.0	3.0046

The State	IEW JERSEY R	ES. NYSE.	N.IR	RE PR	CENT !	38.4	2 PAE	12.2	(Trailin Media	g: 14.2 n: 15.0	RELATIVE PIE RATIO) DIV'D YLD	3.2	%	ALUI		
FIT Inade/Hillion Inade/Hi		High: 18.	7 17.9	18.3	19.8 16.1	21.7 16.6	22.4 16.2	26.4 20.0	29.7 24.3	32.9 27.1	35.4 27.7	37.6 30.3	41.1 24.5	1		iargei	Price 2012	Range 2013
The color	AFETY 1 Raised 9/15/06 .	LEGENDS	dends p sh	7														_00
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Pies 6.56 Return	2011-13 PROJECTIONS	3-for-2 spir 3/08 Ootlons: No				難						المراكان						1
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1			10010	- minimu	Hentlit													
1	JFM AM JJA 5	Juritabli proper				鵬	••	*****	474.				_:				<u> </u>	10
	Buy 000000000000000000000000000000000000		""		*********	·油車			***	•		*****	.11		% TO	I I. RETUR	i N 11/08	-7.5
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22 19-29	A(000) 26518 26910 20312	1		1999	ilululu 2000	110011 2001	2002	2003	2004	2005	2006	2007		2009	PVAL	UE LINE F	VB., NC.	
130				22,65	29.42	51.22	44.11	62.29	60.89						Revenu	es per sh Iow ^a per	A sh	
1.63	1.30 1.42 1.54 1.42	1,48 1.6											2.70	2,80	Earning	s per sh	В	3.00
133	.68 ,68 ,68 ,68	.69 .7	1 .73	.75	.76	.78	.80	,83										
1886 1874 1835 4038 4039		1					8.71		11.25	10,60	15.00	15,50	17,36	19.35	Book V	alue per a	sh D	
12.4 15.1 13.0 17.1 13.0 17.5 18.6 18.6 18.6 18.7 18.8 13.0 18.0	36.64 37.84 38.93 40.03	40,59 40,3	3 40.07											42.00				14.0
58	'''''' I I	1			.98	.73	.80	.80	,B1	.89	.87	1.13						
### 173. ### 173.	7.5% 5.8% 6.2% 6.7%	5.6% 5.3								-				3930				4295
1.0 1.0	ntal Debt \$693,4 mill.	Yrs \$175.6 mil.					56,8	65,4	71.6	74.4	78,5	65.3	113,9					130
Tablement carmidet Ass; total Interest coverage: A	r Debt \$455.1 mil. Li intere	est \$16.9 mlll.												3.1%	Net Pro	Al Margli	n .	3.0%
1.5 1.5	T interest earned: 4.8x; total int	erest coverage:			47.0%	50.1%	50,6%	38.1%	40,3%	42.0%	34.8%	37.3%						
Stock Name Stock 42,120,169 shs. Stock 12,120,169 shs. Stock 12,120,16	ension Assets 9/08 \$80.6 mill.	nblia, \$102.4 mi												1325	Total C	apital (\$n	ntii)	1680
samons Slock 42,720,165 lbs. Signature	fd Stock None	onigi v ioari iii	680,0	705.4	730,6	743.9	756.4	852.6	880.4									8.5%
14.4% 44.8% 45.9% 45.9% 57.7% 45.8% 45.9% 45.7% 45.9% 45.7% 45.9% 45.7% 45.9%	Common Stock 42,120,169 sha										12.6%	10.1%	15.7%	14.5%	Relum	on Shr. E	Equily	11.5%
IRRENT POSITION 2006 2007 91/3016 4.4% 500% 579 50% 50% 50% 50% 50% 50% 50% 50% 50% 50%	is of 11/20/08 MARKET CAP: \$1.6 billion (Mic	i Cap)	14.4%	14.8%	14.6%	14.8%	15,7%											6.5%
self-Assels 60.5 79.4.1 1067.7	URRENT POSITION 2006	2007 9/30/	71%								50%	64%	41%	44%	All Div	'ds to Ne	Prof	46%
and in states from the GBIC Coast is New Heighens, GBC in Monneuth and Ocean Countles, and other N.J. Countles, Response at 1930 customers	Cach Accels D.U	794.8 1067	1 BUSI	VESS: N	ew Jers	ey Resot	ircas Co	p, Is a	holding o	company	rol En	arnu ciib	eldiary nr	nvidas ti	nredulai	ao reww	Wildinger	n tipiniai
bell Duy 284. 4 84.8 84.9 187.6 1897.2 707.3 84.0 1897.2 707	Current Assets 965.5		l and i	s clotae :	from lina	Golf Co	iasi io Ni	sw Endla	na. Bno	Censua.	. gas er	et entaine	onornu:	curs. 200	17 dea. 1	ale: 2.07	r. Has o	no embra
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sults for its fiscal fourth quarter (ended September 30th) and year. This stemmed from roughly 7,175 new custom-stemmed from roughly 7,175 new custom-stem from NIR Energy Services also contributed nicely. Capital projects ought to provide room for that seg much the set of supply storage and transportation contacts. And the Steckman Ridge facility in western Pennsylvania. Meanwhile, the company's prospects a drilled three wells of facility in western Pennsylvania. Meanwhile, the company's prospects and solid acces to fac	Current Llab. 897.2	703.3 894	.0 2001	volume:	102.8 bil	l. cv. ft. (58% hm	6% inte	unbrinie	inousvia	AATH,	4J 07719	, Jel.: 73	2-938-14	DE N	ING c	livisio	n are
cand conversions of that segments in the company's flower of the company's prospects appear that mix nicely. All the company's prospects appear the completed in 2009 850 1199 1050 840 3930 1190 1050 840 300 1190 1050 840 300 1100 1100 1100 1100 1100 1100 110		Past Fst'd '05-	'07 sml	te fo	r it:	s fisc	cal f	ouru	i qu	arter	expe	ortari	to ro	ntribi	ite a	DDIOX	imate	IV 94
infings ok Value 7.5% 6.0% 4.0% 6.0% ok Value 7.5% 10.0% 17.0% 19.0% 10.0% 17.0% 19.0% 10.0% 17.0% 19.	of change (opr sh) 10 Yes.	Yrs. 10'11-'1	(en	And S	iente	mher	BUCH	ana	year.	Ting	And	there	is sr	111 5123	anie r	DOLII Y	OI LING	Tr Sck.
Signar S		4.5% 7.0% 6.0% 9.5%		lact t	lear s	as wel	I as a	DOUE .	IOU CC	mver-	mer	it to c	row t	hroug	th pot	entia.	i cust	omers
QUARTERLY REVENUES (\$ mill.) A Full Dec.31 Mar.31 Jun.30 Sep.30 Sep.	Dividends 3.5%	4.0% 6.0% 10.0% 11.0%	leto	ושי פר	nich l	nooste	d rest	iits a	t the	Maki	anu	hag.	henef	ited fi	rom i	ts dvi	namic	: port
Capital projects ought to provide to provide the company's prospects appear room for the expansion of its midstream assets. NJR has been making progress at its Steckman Ridge storage facility in western Pennsylvania. Meanwhile, the balance sheet and fingers of the company's prospects appear strong. NJF has been making progress at its Steckman Ridge storage facility in western Pennsylvania. Meanwhile, the balance sheet and fingers of the company has drilled three wells of far, and expects to have nine others completed in 2009. This facility will provide extra capacity during the peak winter and summer months to the Northeast. Also, the completion of a new 16-inch main pipeline into the Whiting section of Mandar Mar.31 Jun.30 Sep.30 Dec.31 Sep.30 De	Fiscal QUARTERLY REVENUES	S(\$mill.) A F	ill i Ma	anwhi	le, re	cord t	periori	nance	irom	אנוו	Politi	nF et	vinni	stora	ge at	id tra	nspor	tauui
Stream assets, NJK has been making been	Ends Deviet marks back		83 Ca	ergy S oital	pro ervice	ects:	conu ougl	it to	pro	ıy. ovide	oug	ht to	comp.	lemen	it tha	c mix	nice	ıy. Pan
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cility in western Pennsylvama. Wealfacture wells while, the company has drilled three wells has ample cash on hand, and solid acces while, the company has drilled three wells to capital through revolving bank credit. These timely shares have been on a completed in 2009. This facility will provide extra capacity during the peak winter completed in 2009. This facility will provide extra capacity during the peak winter review. Still, they are currently trading and solid acces to capital through revolving bank credit. These timely shares have been on a completed in 2009. This facility will provide extra capacity during the peak winter review. Still, they are currently trading up about 6% over that interim, thanks to dividend increase and solid earnings this pipeline into the Whiting section of Mandard Mar3i Jun30 Sep.30 Dec.31 Year Foundation of the Northeast. Also, the completion of a new 16-inch main pipeline into the Whiting section of Mandard Mar3i Jun30 Sep.30 Dec.31 Year Foundation of the Northeast. Also, the completion of a new 16-inch main pipeline into the Whiting section of Mandard Mar3i Jun30 Sep.30 Dec.31 Year Foundation of the Northeast. Also, the completion of a new 16-inch main pipeline into the Whiting section of Mandard Mar3i Jun30 Sep.30 Dec.31 Year Foundation of the Northeast. Also, the completion of a new 16-inch main pipeline into the Whiting section of Mandard Mar3i Jun30 Sep.30 Dec.31 Year Foundation of the Northeast Also, the completion of a new 16-inch main pipeline into the Whiting section of Mandard Mar3i Jun30 Sep.30 Dec.31 Year Foundation of the Northeast Name of the Northeast	2008 811.1 1178 1000	827.1 381	5.2 I ~~~	mrnee	at its	: Sterl	cman	Ridge	stora	ge Ia-	- ivie	anwh	ile, t	he b	aland	e she	eet a	nd fi N I I
So far, and expects to have nine others completed in 2009. This facility will provide extra capacity during the peak winter to bumpy ride since our September and summer months to the Northeast. Also, the completion of a new 16-inch main pipeline into the Whiting section of Mandal Mar3i Jun.30 Sep.30 Dec.3i Cal- QUARTERLYDIMDENDS PAID CER Full red with the completion of a new 16-inch main pipeline into the Whiting section of Mandal Mar3i Jun.30 Sep.30 Dec.3i Cal- QUARTERLYDIMDENDS PAID CER Full red with the completion of a new 16-inch main pipeline into the Whiting section of Mandal Mar3i Jun.30 Sep.30 Dec.3i Cal- QUARTERLYDIMDENDS PAID CER Full red with the completion of a new 16-inch main pipeline into the Whiting section of Mandal Mar3i Jun.30 Sep.30 Dec.3i Cal- QUARTERLYDIMDENDS PAID CER Full red with the completion of a new 16-inch main pipeline into the Whiting section of Mandal Mar3i Jun.30 Sep.30 Dec.3i Cal- QUARTERLYDIMDENDS PAID CER Full red with the completion of a new 16-inch main pipeline into the Whiting section of Mandal Mar3i Jun.30 Sep.30 Dec.3i Cal- QUARTERLYDIMDENDS PAID CER Full red with the completion of a new 16-inch main pipeline into the Whiting section of Mandal Mar3i Jun.30 Sep.30 Dec.3i Cal- QUARTERLYDIMDENDS PAID CER Township, NJ is allowing for new first-time customers. We have raised our 2009 annual estimates by 30%. This stems a recent base rate case approval for NJNG that boosts annual revenues by \$32.5 million, as well as the aforementioned capital projects. A) Fiscal year and sept. 30h. B) Diblided surmings. Cly egis may not sum to applied in early January, and October, ** Dividende historically paid in early January, left in millions, adjusted for spill. (E) in millions, adjus			cili	ty in	wes	tern	Penn bas d	syıvar rilled	na. I three	wells	has	amm	o ragi	ומחים	hand.	and	SDIIG	acces
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CADITAL STRUCTURE as of 9/30/08	59.8 mill.	416.7 27,3	455.8 44.9	632.1 47.8	650.3 50.2	641.4 43.8	611.3 46.0	707.6 50,6	910,5 58,1	1013.2 65.2	1033.2 74.5	67.5	74.0	Net Pro	ıllı (İmill	<u> </u>	94.0
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(Total Interest coverage; 4.0x)		45.0%	9,9%	9.0% 45.1%	43.0%	6.8% 47.6%	49.7%	46.0%	47.0%	46.3%	46.3%	47.0%	48,0%	Long-7	erm Dob on Equity	t Rallo	48.0% 52.0%
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as of 10/31/08 MARKET CAP \$1.2 billion (Mid Cap)		6.0% NME				8.5%	9.0%				6,0%	5,0%	5,0%	Retain	ed to Go	m Eq	5.0%
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(A) Diluted earnings per share. Exc recurring Items: '98, \$0.15; '00, \$ (\$0.06). Next earnings report due ea	ides non- 0,11; '06,	(B) Divid mid-May	ends hist mid-Aug	oncally p usl, and Import of	aio in mic mid-Nove an avallal	rreutuat Imber. Ida.	"					1	Stock's Price Gi	Price St owth Pr	ability ersistent		100 70
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SAFETY 2 New 7/27/90					_14114 <u>+</u>												-80
TECHNICAL 7 Relied 12/5/08 · BETA .70 (1.00 = Markel)	1.40 x Din divided by Relative 12-for-1 spit 110 Options: Yes Shadod over 15	A luca est train Alca Strangth 04			盐)r=1				=				-60 -50 -40
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.70 .73 .68 .73	.84	.93 .98	.93 .68	1.01	1.01	.95 .80	1.11 ,82	1.27	1,32	1,27 .95	1.40 .99	1.55 1.03	1.60 1.07	Div'ds i	s per sh Jecl'd per	sh C≝	1.19
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5,13 6,45 6,68 6,10 51,59 62,30 63,16 57,6	7 59,10 60	1.95 7.45 1.39 61.48	7.86 62.59	63.83	64.93	65.18	67.31	76,67 16,6	76,70 17.9	74.61 19.2	73.23 18.7	73.50 Bold fig	73.50 tres are		n Shs Ot n'I P/E Re		73.00 18.0
12,3 15.4 15.7 13. .75 .91 1.03 .9	1	3.6 16.3 .78 .85	17.7 1.01	14.3 ,93	16.7 .86	18,4 1.01	16.7 .95	.88	.95	1.04	,98 3,8%	Value estin	Line	Relativ	: P/E Ral' n'i Div'd'	o	1.50 3.1%
5.3% 4.3% 4.8% 5.49	4.8% 4.	8% 4.0% 765,3	4.1% 686.5	5.0% 830.4	1107.9	4.6% 832.0	1220,8	1529.7	3,8% 1761.1	3,9% 1924.7	1711.3	2080		Revent	res (\$mill)^	2340
CAPITAL STRUCTURE as of 7/ Total Debt \$994.0 mlb. Due in	2 112 9 Jon'n Hir	D. 60.3	58,2	64.0	65,5	62,2	74,4 34.8%	95.2 35.1%	101.3	97,2	104.4 33.0%	35.0%	35.0%	Income	fit (\$mili) Tax Raic)	35.0%
(LT Interest carned: 4.0x; total in	os t \$ 55,7 mill. Ierest coverage		39.7% 8.5%	34.7% 7.7%	5,9%	7.5%	6.1%	6,2%	6.8%	5.0% 48,3%	6.1% 48.4%	5.5% 47.5%	5.5%	Net Pro	At Margi erm Debi	n Ralio	6.4% 47.0%
4.0x) Pension Assets-10/07 \$225.0 n	nlii.	44.7% 55.3%	46.2% 53.8%	46.1% 53.9%		58.1%	42.2% 57.8%	43.6% 56.4%	41.4% 58.6%	51.7%	51,6%	62.5% 1765	50.0%	Comm	on Equity aplial (\$r	Rallo	53,0% 2125
Fullainit Madula-total Vacata	Ohlig. \$188.7 r	nill. 829.3 990.6	914,7 1047.0	978.4 1072.0			1090.2 1812.3	1849,8	1939.1	2075.3	2141.5	2200	2250	Net Pla	nt (\$mill)		2400 8.5%
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Common Slock 73,278,668 shi		13.2%	11.8%	12.1%	11.7%	10.6%	11.8%	11.1%	11,5%				4.0%	Retain	on Com ed to Got	n Eq	13.5% 5.5%
MARKET CAP: \$2,3 billion (MI CURRENT POSITION 2008	2007 7/3		3,3% 72%	71%	75%	83%	74%	66%	68%	74%	70%	-regulate			'ds to Ne		58%
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Debt Due 170.0 Other 150.1	195.0 1 132.3 1	14.2 Princip	al eller	lare Tr	anton ar	nd Tenne o, rale: 3	ssee M	enne, G	45 W010.	phone	: 704-36	1-3120. li	ilemet: v	ww.piec	Wound.	GUIII.	
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2008 .25 .26 .		pe	cts.	Pledi	mont	recen	пи т	ecerve	su al	ועב יינ			Compan Stock's	v's Fina	ncial St		B++ 100
(A) Fiscal year ends October (B) Diluted earnings, Excl. ex 00, 8¢. Excl. nonrecuring ch	traordinary items	(C) Divides April, July, Divid rel	Octobe nyast p	r. an avalli	able; 5%	discount.		millions Juarlers 1	nay not a	d for stock	k spill. Il due lo	- 1	Price Gr	owth Pe	rsisiend		60 85
'00, 8¢. Excl. nonreculting ch Next earnings roport due end O 2008, Value Line Pubsahing, in THE PUBLISHER IS NOT RESPON of it may be reproduced, resold, ster	y Feb. : All rights reserve	(D) Included. Facual male	es defen dal la còl	ed char aloud from	ges, in 20 n sources	bellayed to	be reliable	त वर्ष हि प्र त वर्ष हि प्र	res ouls myded vi	ihotd warro meretat in	nlies of ar	y kind.	osi	SHIP	Ó	1800	33-0040
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SOUTH JERSEY	IND	S. NYS	SE-sji	RE PR	CENT	37.0	7 PIE RATIO	15.6	(Trallin Media	g: 16.5 n: 14.0)	RELATIVE PIE RATIO	1,0		3.2	%	ÎNE		
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.81 .78 .61 .83	.85	,85	.64	1.01	1.08	1.15	1.22	1,37	1.58	1.71	2.46	2,09	2.30 1.11	2.50 1.20				3.00 1.30
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19.00 19.61 21.43 21.44	21.51	21,64	21.56	22,30	23,00	23.72	24.41	26.48	27.76	28,98	29,33	29.61	30.00	31.00				32.00 14.0
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onsion Assets-12/07 \$120.4 mi	13															105		
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(A) Based on GAAP EPS through the earnings thereafter. GAA 52.10, Excl. notherur, geln (loss Q2 '08, (\$0.70). Excl. geln (loss Q2 '08, Q40e Line Publishing, Inc. THE PUBLISHER IS NOT RESPONSION THE PUBLISHER IS NOT RESPONSION TO may be reproduced, resold, stored	P EPS; (;); '01, \$()7,),13; (§	9, (\$0.02 \$0.04); '0); '00, (\$ 3, (\$0.09	0.04); '0); '05, (\$	50.24); '8 1, (\$0.02) 0.02); '08 due late	; '02, , (\$0.02); February	lalory per si	= wy. toli assals. / rr. (D) in	west, pla M 8/30/0 millions.	an ayan. 1 8: \$212.7 adjusted	mill., \$7. for split.	16	Price Gre	wih Pe	ralstenc		9
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3.34 3.24 5.09 2.65 .81 .63 1.22 .10	3.00	3,85 4.41 .77 1.65		4.57 1.21	1,15	1.16	1,13	1.66	1.25	1.98	1,95	1,75	2.00	Earning	s per sh	AB	2.50 1.05
.70 .74 .80 .82	.82 8,19	,82 .83 6.19 6.4		7.04	,82 8.17	8.50	7.03	8,23	7,49	8.27	.86 7.96	.90 6.80	.94 7.50	Div'ds C Cap'l St	ending p		9,90
5,02 5,43 6,64 5,79 15,99 15,96 16,38 14,55	14.20	14.09 15.6	16,31	16.62	17.27	17.91	18.42	19.18	19.10	21.68	22.98 42.81	23,30 44,00	24.45 45.00		luo pers n Shs Ou		26.55 48.00
20,60 21,00 21,28 24,47 16,6 25,5 14,0 NMF	26.73 69.3	27.39 30.4 24.1 13.		31.71	32,49 19.0	33.29 19.9	34,23 19.2	36.79 14.3	39,33 20,6	41.77 15.9	18,4	Bold fig	res ara	Avg Ant	'I PIE Ra	llo	15.0
1.01 1.57 .92 NMF	4,34	1.39 .5	1.20	1.04 4.2%	.97 3.8%	1.09 3.6%	1.09 3.8%	3,5%	1.10 3.2%	2.6%	.98 2.4%	Value estin	Lino ales		P/E Rall i'l Div'd \		1.00 2.8%
5.2% 4.4% 4.7% 5.4% GAPITAL STRUCTURE as of 8/3		4,4% 3,87 917.	_	1034.1	1396.7	1320.9	1231.0	1477.1	1714.3	2024.7	2152.1	2150	2250	Revenu	es (\$mill)		2800
Total Debt \$1325.6 mil. Due in 6		47.	39.3	38,3	37,2	38.6	38.5 30.5%	58.9 34.8%	48,1 29,7%	80.5 37.3%	83,3	75.0 39.0%	36.0%	Net Pro Income			120 35.0%
LT Debt \$1313.1 mill. LT Intere	st \$90.0 mill	43.49 5.29		26,2% 3,7%	34.5% 2.7%	32.6% 2.9%	3,1%	4.0%	2.8%	4.0%	3.9%	3.5%	4.0%	Net Pro	lt Margin		4.3% 50,5%
(Total interest coverage: 2,3x) Leases, Uncapitalized Annual re	ntais \$7.0 ml	80.00	60.3%	60.2% 35,8%	56.2% 39.6%	62.5% 34.1%	66.0% 34.0%	84.2% 35.8%	63,8%	60.6% 39.4%	58.1% 41.9%	56.0% 44.0%		Long-To			49.5%
	u. g. \$546.4 m)	1349.	3 1424.7	1489.9	1417.6	1748.3	1851,6	1959,6	2076.0	2287,8	2349,8	2325 2960		Total Ca	ıpltal (\$m		2575 3600
Pfd Stock None		1459. 6.8°		1686.1	1825.6	1979.5	2175.7 4.2%	2336.0 5.0%	2489.1 4.3%	2688.1 5.5%	2845.3 5.5%	5.0%	5.5%	Relum	on Total		6,5%
Common Stock 43,914,407 shs. as of 10/31/08		8,9	7.0%	6.5%	6.0% 6.6%	5.9% 8.5%	6.1%	8,3% 8,3%	6.4% 6.4%	8,9%	8.5% 8.5%	7.5%	8.0% 8.0%		on Shr. E on Com I		9.5% 9.5%
MARKET CAP: \$1.1 billion (Mid	Cap)	10.0° 5.0°		7.2%	1,9%	1.9%	1.7%	4.3%	2.2%	5,2%	4.8%	3.5%	4.5%	Retaine	d to Con	Eq	5,5% 42%
CURRENT POSITION 2006	2007 9/	30/08 50		67%	71%	70%	72%	49%	65%		44%	52% iMerit Be			ds to Net		
(IMILL) Cash Assets 18.8 Other 482.8	32.0 470.5	257.2 tribu	INESS: S or serving	i approxi	nalely 1.	8 million	custome	ırs in sec	io enoik	own 1.	8% of ⇔	mmon si ors, Inc.,	ock: T. F	lowe Pri	:B ASSOC	lates, in	G., D. / 76;
Current Assels 501.6 Accis Payable 265.7	220.7	79.7 men	na, Neva Is: nalural	das ober	alions an	d constr	iction se	rvices. 20	107 mar-	Kropid	Chief F	yeculive	Officer:	Jellrey V	v. Shaw	, Inc.: C	allomia.
Debt Due 27.5 Other 202.9	47.1 250.1	266.8	nix: reside Industrial,	ential and 5%: tran	small co sportation	ommercia 1, 8%. To	l, 86%; ilal Uhrot	large con Ighpul: 2.	nmercial ,4 billion	Teleph	one: 702	Spring M -876-723	7. Interne	el: www.s	wgas.co	m.	
Current Lieb. 496.1 Fix. Chg. Cov. 220%		aua.u	uthwe	st Ga	s rep	orted	anı	ınim	ores-	seek	ing a	\$9.1	millio	n inc	rease	in o	perat-
ANNUAL RATES Past P	asl Esl'd' Yrs. lo'i	05/07 siv	e po arter.	erforr The t	nance oo lin	e adva	r ti anced	ne t slight	hird Lly in	ลทกเ	PAT FE	ues in asona	ble. a	uthou	en it	is ui	ıcıear
Revenues 5.0% "Cash Flow" 4,5%	4.5% 3. 4.0% 3.	of the	recei	nt inl	erlm.	Oper	ating	cost	s in-	wha	t nres	sures e expe	the i	rate D	oards	may	race,
Eamings 12.0% Dividends	6.0% <i>6.</i>	.0% the	ased a	any re	porte	d a ne	gativ	e retu	rn on	by	Veare	nd. '	The .	comp	anvs	iocu	5 011
I attraced very fille		rull no	g-tern sted a	much	orea	ter sh	iare l	oss fo	r the	desi	on is	rate impor	tant. :	as 5 M	x aei	penas	upon
endar Mar.31 Jun.30 Sep.3	0 Dec.31	Year pe	ciod. C	ustom	ergro	wth h	as m	oderat	nt ba: wen	such	าลกทร	oved high	reveni	ue inc	rease	s to r	ieib ic
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Gal- EARNINGS PER SH. onder Mar,31 Jun.30 Sep.3		Year at	ng in	a chal	lengir	ig env	nronn	nent, 1	MUJCU	the	comp	anv w	ill lik	ely in	cur n	igner	oper- Fur-
2005 88 d.07 d.4: 2006 1.11 .02 d.2:	.87	1.25 ou	ght to ar ter	contii m. W	nue to 'e ani	stym ticlpat	de gro e fla	wtn i t rev	in the enues	thei	more	, insi	ıfficle:	nt, o	r lag	ging,	rate
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cal- QUARTERLY DIVIDEND endar Mar.31 Jun.30 Sep.		Full CO Year Tri	ntrollii se cor	ng cos	ts. v has	two	impo	rtant	rate	sor high	aer st	ow. N	arnin	es at	the c	ompa	iny by
2004 .205 .205 .20	5 .205	.82 Ca	se pr	oceed	ings	near	ıng c	onciu	ទេរបា.	ear. - tior	y nez	kt dec issue	ade. <i>I</i> e feat	At th	e cur good t	rent otal	quota- return
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2007 205 215 216 216 20 rate design changes to address weather nearthy ortherin plant.																	
(A) Incl. Income for PriMerit Ban	k on the equ	ly (11¢); '06	, 7¢. Incl.	esset wri	adovm; '	93, 44¢.	early I	Aarch, Ju	ne, Sept	ember, D	ecember.	* [ompany tock's P	's Finan		ngth	B 100
(A) Incl. Income for PriMetil Ban basis through 1994. (B) Based outstand, thru. '96, then diluted. gains (asses): '93, 8¢; '97, 16¢;	n avg. share Excl. nonrec	not sum	trom disc tue to rou	. ops.: 9: nding. Ne	xt egs. re	nais may port due	DIA.0.1	emvest.]	ian Byai	r fol iu u	milufis.		rice Gro	wth Pers	istence		65 65
gains (19569): '93, 8¢; '97, 16¢; • 2008, Value Line Publishine, inc. / THE PUBLISHER IS NOT RESPONSI of a may be reproduced, resold, stored o	'02, (10¢); '0 Vi rights roserv	15, Isle Febr red. Faciual mai	uary, (C) E cilal is obto	hed from	ources pe	inved to b	o reviable	and is pro	vided with	out warran	las of any	Mind.	en e	NATE OF	H	800 A	33.0046
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TimeLiness Stated 92801 Low 20.9 23.1 21.0 21.8 25.3 19.3 23.2 26.7 28.8 27.0 29.8 22.4 201	el Price 1 2012	M										
Company												
BETA .75 (1.00 = Marke) 2-16-7 Spit 10-15 2-16-7 S		100										
2014.33 PROJECTIONS Oplions: General Projection States Oplions		150 150										
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		1-30 25										
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Institutional Decisions ###	VL ARITHL	L										
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1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 SVALUELINI	PUB., INC	11-13										
18.37 21.55 21.69 19.30 22.19 24.16 23.74 20.92 22.19 29.80 32.63 42.45 42.93 44.94 53.98 53.51 52.98 53.35 Revenues per		64.60 4.55										
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10.66 11.04 11.51 11.95 12.79 13.48 13.86 14.72 15.31 16.24 15.78 18.25 16.95 17.80 18.28 19.83 21.06 22.00 Book Value par		25.00 50.00										
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6.76 6.37 5.67 5.67 5.67 5.67 5.67 5.67 5.67 5.6]j) A	2730										
Total Debt \$950.7 mill. Due in 5 Yrs \$399.5 mill. 68.6 68.8 84.6 89.9 65.7 112.3 88.0 104.8 95.1 102.9 116.3 120 Not Profit fam		38.0%										
T. Interest earned: 5.7x; total Interest coverage: 6.5% 7.1% 8.2% 6.2% 3.5% 5.4% 4.7% 4.8% 3.6% 3.9% 4.4% 4.5% Het Profit Mare	in	4.8%										
5.7X) Pension Assels-9/08 \$588.2 mill. Obilg, \$590.5 mill. 57.1% 56.1% 54.8% 54.3% 54.3% 54.3% 54.3% 54.3% 54.3% 57.2% 58.5% 5		32.0% 66,5%										
Preferred Stock \$28,2 mlll. Pfd. Ulv'd \$1.3 mlll. 1064.8 1218.5 1299.2 1400.8 1462.5 1454.9 1443.6 1478.1 1497.8 1825.4 1677.2 1720 Total Capital (1880 2615										
Common Stock 49,971,514 shs. 8,0% 7,1% 7,9% 7,9% 7,5% 8,1% 8,2% 8,5% 7,7% 7,5% 8,1% 8,0% Return on Total Contractive Contracti	Cap'l	8.0%										
as of 10/31/08 10.0% 9.7% 11.4% 11.0% 7.0% 13.7% 11.5% 11.7% 10.3% 10.2% 11.1% 11.0% Return on Shr. MARKET CAP: \$1.7 billion (Mid Cap) 11.1% 9.9% 11.7% 11.2% 7.2% 14.0% 11.7% 12.0% 10.2% 10.4% 11.5% 11.5% Return on Con		10.0%										
CURRENT POSITION 2005 2007 9/30/08 2.5% 1.8% 3.7% 3.8% NNF 6.2% 4.1% 4.5% 3.1% 3.5% 4.3% 4.5% Relained to Co	m Eq	4.0% 61%										
(SHILL) Casin Assels 4.4 4.9 6.2 7.0% 6.2 7.0% 6.2 7.0% 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.												
Current Assets 561.3 573.7 742.3 Light a natural das distributor in Washington, D.C. and adjacent Energy Sys. designs/installs commit healing, v	aniilaiinu.	and air										
Debt Due 238.4 205.4 347.0 maters). Hampshire Gas, a federally regulated sub., operates an Off./dir. less than 1% (1/08 proxy). Christia & CE	D: 1.H. D8	Otsiioti-										
Current Liab. 560.8 657.1 748.5 Wash, Gas Facrov Sycs, sells and delivers natural gas and pro- 20080, Tel.: 202-624-6410. Internet: www.wglholi	ings.com.											
ANNUAL RAYES Past Past Este 105-707 WGL Holdings performed well in fis- fiscal 2009, lower energy price and the past set of the past of th	es hav	e al- may										
oftenge (per sh) to yis. 5 frs. to 11/13 cal 2008 (ended September 30th). New lowed it to resume those effort the september 30th). New lowed it to resume those effort the september 30th New lowed it to resume those effort the september 30th New lowed it to resume those effort the september 30th New lowed it to resume those effort the september 30th New lowed it to resume those effort the september 30th New lowed it to resume those effort the september 30th New lowed it to resume those effort the september 30th New lowed it to resume those effort the september 30th New lowed it to resume those effort the september 30th New lowed it to resume those effort the september 30th New lowed it to resume those effort the september 30th New lowed it to resume those effort the september 30th New lowed it to resume those effort the september 30th New lowed it to resume those effort the september 30th New lowed it to resume those effort the september 30th New lowed it to resume the september 30t	ams to	pick										
Teamings 2.0% 5.0% 3.5% growth contributed to the annual top-line up steam, consequency, well-	wni r sales	, but										
Book Value 4.0% 3.5% 5.0% Itilation of regulatory mechanisms like the natural gas volumes will prob	ably co	ntin-										
Jes. 1 Mar.31 Jun.30 Sap.30 Fiscal minimized usage volatility. And margins ment accounts roll off its books	. Howe	ver,										
2005 623.4 929.8 349.0 284.1 2186.3 Widened due to the succession of the company should be a company shoul	e tor t	ıscaı										
2007 7329 1119.9 467.5 325.7 2646.0 retail energy segment did not fare as well. 2009. The utility segment side	ould be account	nefit ts. as										
2009 760 1059 480 350 2550 sales, partially offset by slightly higher well as higher contributions i	rom it	s ex-										
Fiscal EARNINGS PER SHARE AB Full margins for natural gas sales. Weakness panded asset management stranger and large host from stronger gross margins for natural gas sales. Weakness panded asset management stranger gross margins for natural gas sales. Weakness panded asset management stranger gross margins for natural gas sales. Weakness panded asset management stranger gross margins for natural gas sales. Weakness panded asset management stranger gross part and large host from stranger gross margins for natural gas sales. Weakness panded asset management stranger gross part and large host from stranger gross margins for natural gas sales. Weakness panded asset management stranger gross panded asset management stranger gross panded asset management stranger grows panded asset management grows panded asset management stranger grows panded asset management grows panded as	s may	get a										
2005 88 1.63 d.17 d.23 2.11 the loss of certain government and large business from 25 d.55 1.84 compared a counts. However, on bal- ural gas sales. Also, rate cas	gins on e apor	ovals										
2007 92 1.27 2.22 d.31 2.10 ance, WGL's earnings per share advanced and capital projects augur we	I for W	VGL's										
2009 .97 1.50 .13 d.20 2.40 We look for December-period results usage compared to last year	unus	ually										
Cal. QUARTERLY DIMDENDS PAID Car. Full to be little changed compared to last high levels could be an offset.	ares	may										
2004 32 325 325 325 130 accounts declined in the most recent appeal to conservative	inc	ome-										
2005 325 333 338 338 132 quarter, due to the extended full-up in distanced accounts, indeed, 12005 325 333 338 338 134 natural gas and electric prices from Februdent in their good dividend y	rield, s	trong										
2007 34 34 34 34 1.36 ary through June. That caused WGL to Salety rank (1), solid linance 2008 34 36 36 36 halt its mass market customer acquisition (A), and top mark for Price Sta	bility (100).										
efforts. However, as the company begins Bryan Fong December 12, 2008												
(A) Fiscal years end Sept. 30th. may not sum to total, due to change in shares vestment plan available. (D) includes deterned charges and intangibles. Stock's Price Stability 100 (B) Based on diluted shares. Excludes non-												
(A) Fiscal years end Sept. 2004. If you can be a sept of the control of the contr												
D. 2018 Value line Publishing, Inc. All dolds reserved. Factual material is obtained from sources believed to be reliable and is provided without warranties of any kind.		300/E										

SOUTHERN UNION NYSE-SUG RECENT 12.55 PRE RATIO 6.6 (Trailing: 6.6) PRE RATIO 0.65																		
TIMELINESS 3 Lowered 0/14/07	High: Low:	12.3 9.7	18.4 10.9	18.4 13.1	23.2 10.5	21.9 14.4	17.6 8.8	17.0 10.4	23.8 16.1	26.3 20.8	29.8 22.8	35.5 26.8	29.8 10.6			Target 2011	Price 2012	Range 2013
SAFETY 3 New 3/24/00 TECHNICAL 3 Lowered 10/31/08	LEGEN 9.0	DS x "Cash I alive Price	Flow" p sh															_80
BETA 1.10 (1.00 = Markel)	4-for-3 spi	n 3/96 n 7/98	_	Н														-50 -50
2011-13 PROJECTIONS Ann'l Total	Options: Y Shaded a Latest rec	es erea: prior ession beo	recession an 12/07									.,[11,11]	<u> </u>		<u> </u>			-40 -30
Ann'l Total Price Gain Return High 45 (+260%) 38% Low 30 (+140%) 26%	=					HILLS HILLS			7 ,1	11111111111	1111 1-111	111111111111111111111111111111111111111	111211					
			11.111	 	11111	1072	HHI -	217712	linely.									15
J F M A M J J A S 10Buy 0 0 0 1 0 0 1 0 0	<u></u>	Tinul.	<u> </u>	******	11 .		-14	W-					1	-				10
Options 0 0 1 0 0 0 0 0 0 0 to Sell 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	181				.,,,,,,,,,,	蕭	••••	·	1	*******		1			% TO	RETUR	N 11/08 VL ARITIL	-7.5
102005 202008 302008 to Buy 110 110 108	Percent	12 - 8 -				### ####									1 yr.	-52.8	INDEX -41.9	
to Sell 106 114 115 HJd's(000) 89232 91593 91341	shares traded	4 -	بسيال	السيال	امسارا								ШШШ		3 yr. 5 yr.	-38,9 -13.0	-30.9 -10.6	-
1992 1993 1994 1995 7,22 5.66 10.12 12.69	1996	1997	1998 16.99	1999 14.73	2000 15.88	2001	2002	14,75	2004	2005 17,95	2006 19.54	2007	2008	2009	 	UE LINE P es per sh	-	27.20
.62 .58 .82 1.30	1.43	1.43	1.29	1.27	1.26	1.54	1.79	1.29	2.77	2.71	2.96	3.15	3.30	3.65	"Cash F	low" per	sh	4.60 2.65
.15 .26 .26 .43	.54	.49	.31	.26	.20	.19	.56	.67	1.24	1,58	1.33 .30	1.75 .40	1.85 .60	2.05 .64	Div'ds D	s per sh / ecl'd per	sh Da	.76
.70 .50 1.03 1.81 5.55 5.47 5.65 3.37	1.58 3.88	1.71 7.10	1.96 7.54	1.78 7.33	1.92 14.05	1.91 11.12	1.47 10.78	.99 11.42	2,79 12,74	2.49 14.43	2.90 15.20	4.98 15.96	4.45 17.25	4,40 18.80		ending p lue per s		4.55 26.50
26.67 36.94 37.01 37.24	37.59	37,65	39,38	41.09	52,39	64,93	63,57	80.56	81.00	112.53	119.77	123.77	124.00	125.00	Commo	n Shs Ou	lsl'g ^C	132.00 14.0
20.2 15.9 20.3 12.5 1.23 .94 1.33 .84	14.1 .88	21.2 1.22	37.5 1.95	NMF NMF	NMF NMF	NMF NMF	29.5 1.61	17.9 1.02	13.4	15.0 .80	15.3 .83	17.5 .92	Value		Relative	'I P/E Ra P/E Ralli	•	.93
	<u> </u>						4000.0	4400.5	4000.0		1.5%	1.3%	estin	3100	 	'i Div'd Y :s (\$mill)		2.1% 3590
CAPITAL STRUCTURE as of 9/30 Total Debt \$3693.0 mlll. Due in 5	(rs \$1616	mlll.	669.3 12.2	605.2 10.4	831.7 11.1	1932.8 12.9	1290.6 36.6	1188.5 43.7	1800.0 114.0	2019.4 195.7	2340,2 217,1	2616.7 228.7	3060 245	275	Net Pro	it (\$mill)		375
LT Debt \$3254.9 mlll. LT Interes (Est'd LT interest earned: 2.9x; lota			39.5% 1.8%	40.5% 1.7%	49.0% 1.3%	35.3% .7%	29.2% 2.8%	35.7% 3.7%	37.7% 6.3%	26.6% 9.7%	33.5% 9.3%	29.4% 8.7%	33.0%		Income Net Proi			33.0% 10.5%
age: 2.6x)	(54% of		63,0%	62.0%	53.1%	66.4%	63.3%	65.0%	63,1%	52.5%	56.7%	57.3%	59.5%	58.0%	Long-Te	rm Debt I		55.5% 43.0%
Leases, Uncapitalized: Annual re Pension Assets-12/08 \$128.3 mill		l l	37.0% 803.2	38.0% 792.0	46.9% 1569.6	33.6% 2151.5	36.7% 1867.6	35.0% 2632.1	30.2% 3416.6	41.6% 3903.2	38.4% 4740.1	38.2% 5166.1	38.5% 5555	40.0% 5880	Total Ca	n Equity I pital (\$m		8130
Ob Pfd. Stock \$230,0 mill. Pfd. I	ilg. \$163. Jiv'd. \$17	.4 mill.	848.4 3.7%	878.3 3.6%	1487.2 2.3%	1456.3 2.9%	1456.4 4.3%	3144.8 3.3%	3207,5 4.8%	3485.9 6.5%	4584.4 6.5%	5102.3 6.1%	5500 6.5%	5750 6.5%	Net Plar Return o	ıt (Şmili) on Total C	ap'i	6500 6.5%
Common Stock 123,982,918 shs.	(4% ol	Cap'i)	4.1%	3.5%	1.5%	1.8%	5.3%	4.7%	9.0%	10.6%	10.6%	11.6%	11.5%	11.5%	Return	n Shr. E	jully	10.5% 11.0%
as of 10/31/08 MARKET CAP: \$1.6 billion (Mid 0	Cap)		4.1%	3.5%	1.5%	1.8%	5.3% 5.3%	4.7%	10.2%	11.0%	9.1%	12.0% 8.3%	7.0%	7.5%	Refaine	n Com E I to Com	Eq	7.5%
CURRENT POSITION 2006		9/30/08	••					<u> </u>	7%	9%	24%	21%	30% Gold Rhod					27%
(\$MILL) Cash Assets 5.8 Receivables 298.2	5.7 358.5	3.1 193.3 344.1 334.0	regulat	ed and	unregulal	nion Co. led natur	al gas i	ndustry	end is p	rimarily	Owns 1	100% Int	erest In (CCE Hole	dings. Hi	is 2,337	employ	es. Of-
Inventory (Avg Cst) 241.1 Other 145.7 Current Assets 690.8	263.6 180.5 808.3	334.0 874.5	gas. S	erves ab	out 560,(tation, st 100 resid	ential, co	ommercia	il, and in	dustrial	ident &	& Chief	s own 10 Executiv	e Office	r: Georg	je L. U	indeman	n. inc.:
Accis Payable 300.8	335.3 558.3	226.3 438.1				lssourl G: dle Ener							ess: 544 989-2000					
Other 339.1	430.1	558.8 1223.2				n's r					regu	lated	busin	esses	with	pred	omin:	antly
ANNUAL RATES Past Pa	st Est'd	'05-'07				nixed or the					pipel	ines,	struct stora	ge, an	ıd liqı	id na	atura	l gas
of change (per sh) 10 Yrs. 5 Yr Revenues 2.0% -2.	.5%	11-'13 5.5% 5.0%				gain ocessi					(LNO	3) ter e net	minal ought	ling. to ad	All to vance	old, t almo	his y st 6%	ear's over
"Cash Flow" 8.0% 14. Earnings 13.0% 39. Dividends	5%	9.5% 2.0%	port	ation	& Sto	rage (T&S)	units.	How	ever,	2007	's.	r's fir					
Book Value 12.0% 5.	.0% 10	0.0%	fract	ionati	ng fa	upted icilitie	s and	d dan	naged	off-	ly b	e sul	odued	i. Rev	/enue	gains	oug	ht to
Cal- QUARTERLY REVENUES (endar Mar.31 Jun.31 Sep.30	Dec.31	Full Year				Mear les ha					slow vatio	dowr n. Ar	as a d we	have	trimi	ustom ned a	nick	nser- el off
2005 767.6 305.1 255.0 2006 547.2 552.4 564.4	691.7 676.2	2019.4 2340.2	the	asso	ciate	i co ne T&	mpan		filed	for	our	earnii	ngs por	er sha	are es	stimat	e to	com-
2007 780.2 588.1 525.5 2008 952.7 733.1 657.3	722.9	2616.7 3050	dimi	nishe	d prof	fitabil	ity as	its i	nvesti	nent	pens	es.						
2009 960 745 665	730	3100	lowe	r m	arket-	did i	ı pip	oeline	cap	acity	Sou	thern	ital 's lo	ng-te	rm p	rosp	ects.	The
Cal- endar Mar.31 Jun.30 Sep.30	Dec.31	Full Year	relea	ase sa	les a	t the contr	Distri	ibutio	n segi	ment	Flori	ida G sion i	as Tra s on	ansmi sched	ission Iule a	phase and o	n bu	ı ex- dget.
2005 .82 .10 .13 2006 .60 .10 .06	.53 .57	1.58 1.33	adde	ed exp	enses	sque	ezed 1	margi	ns an	d re-	Mea	nwhil	e, the ancem	Trun	kline l	LNG i	intras	truc-
2007 .53 .39 .34 2008 .64 .43 .34	.49 .44	1.75 1.85	com	pariso	n.	flat y		-			Drop	ress 1	nicely.	and	is pro	piecte	i to i	oe in
2009 .67 .45 .38	.55	2.05	Thu gua	s, w rter :	e ha and 2	ve re 2008 (duce earni	a ou ngs e	r tou	irtn- ates.	The	se a		е та	nked	sha	res .	have
Cal. QUARTERLY DIVIDENDS PAID Da. The economic slowdown and credit crunch and possibly result in the writedown of review. But the pullback may provide an																		
2004 more of SUG's receivables. Thus we look attractive entry point for patient accounts.																		
2006 10 10 10 30 quarter top line. Still, more than 80% of appeal to income-oriented investors.																		
2007 10 10 10 10 10 SUG's cash flow is derived from stable, Bryan Fong December 12, 2008																		
A) Fiscal year ends June 30th th December 31st beg, in 2005. (8	rougn 201) Based	00 mill	ons, adju	egs. re	port due slock spl	iale Jan. is. stort	(C) IT Suidend	July, an	oo, Qinj id Octob illahle	er. = Div	idend R	einvestm	ent St	ock's Pri lce Grow	ce Stabi	ltv	241	85 90
A) Fiscal year ends June 30th through 2004; (1.30¢). Next egs. report due late Jan. (C) In December 31st beg, In 2005. (B) Based on Millions, adjusted for stock splits. December 31st beg, In 2005. (B) Based on Millions, adjusted for stock splits. Dily, and October. ■ Dividend Reinvestment July, and October. ■ Dividend Rein																		
THE PUBLISHER IS NOT RESPONSIBLE	ignus resen FOR ANY ansmitted in	ERRORS	ai matenal OR OMISS 1. electronic	is uplaine HONS HER or other fo	EIN. This m, or user	publication for general	is strictly fo ing or mail	or subscrib keling any t	er's own, n winted or el	on-comme ectronic pui	cial, internation, se	al use. No rvice or pro	part 10 duct	subsi	ribe c	all 1-8	WU-83	s-UU46

Missouri Gas Energy Indicated Common Equity Cost Rate Through Use of a Risk Premium Model Using an Adjusted Total Market Approach

Lina Na		Proxy Group of Nine Value Line Natural Gas Distribution Companies	Southern Union Company
Line No.		Companies	Company
1.	Prospective Yield on Aaa Rated Corporate Bonds (1)	5.08 %	5.08 %
2.	Adjustment to Reflect Yield Spread Between Aaa Rated Corporate Bonds and A Rated Public		
	Utility Bonds	1.41_(2)	<u>1.41</u> (2)
3.	Adjusted Prospective Yield on A Rated Public Utility Bonds	6.49 %*	6.49 %*
4.	Adjustment to Reflect Bond Rating Difference of Proxy Group	0.40 (3)	0.60 (4)
5.	Adjusted Prospective Bond Yield	6.89	7.09
6.	Equity Risk Premium (5)	5.47	7.41
7.	Risk Premium Derived Common Equity Cost Rate	12.36_%	14.50 %

^{*} Actual Moody's A Rated Public Utility Bond Yield for January 2009 is 6.39%.

Notes:

- (1) Derived in Note (3) on page 6 of this Schedule.
- (2) The average yield spread of A rated public utility bonds over Aaa rated corporate bonds of 1.41% from page 4 of this Schedule.
- (3) Adjustment to reflect the Baa1 Moody's Bond Rating of the Proxy Group of Nine Value Line Natural Gas Distribution Companies as shown on page 2 of this Schedule. Normally, Mr. Hanley would take 2/3 of the spread between Baa and A2 Public Utility Bonds (2/3 * 1.55% = 1.03%) to reflect the risk of the proxy group. However Mr. Hanley believes that the current spread between A2 and Baa2 rated public utility bonds are not representitive of the long-term and will utilize a normalized spread of 0.60% between A2 and Baa2 rated public utility bonds based upon a weighting explained in depth in Mr. Hanley's direct testimony. A spread of 0.40%, or 2/3 of the normalized spread will be applied to the prospective yield on A rated public utility bonds relative to the proxy group of nine Value Line natural gas distribution companies as shown above.
- (4) Adjustment to reflect the Baa3 Moody's Bond Rating of Southern Union Company as shown on page 2 of this Schedule. Normally, Mr. Hanley would take the full spread between A2 and Baa2 yields (1.51%) and add it to prospective A yield to reflect the risk of Southern Union Company. However Mr. Hanley believes that the current spread between A2 and Baa2 rated public utility bonds are not representitive of the long-term and will utilize a normalized spread of 0.60% between A2 and Baa2 rated public utility bonds based upon a weighting explained in depth in Mr. Hanley's direct testimony. The full spread of 0.60% will be applied to the prospective yield on A rated public utility bonds relative to Southern Union Company as shown above.
- (5) From page 5 of this Schedule.

Comparison of Bond Ratings, Business Risk and Financial Risk Profiles for the Proxy Group of Nine Value Line Natural Gas Distribution Companies and Southern Union Company.

Proxy Group of Nine Value Line Bond Rating February 2009 February 2009 Rating Numerical Business Risk Numerical Financial Risk Numerical Numerical Numerical Profile (2) Numerical Numerical <th></th>																
Mocokys Mocokys				Numerical Weighting (1)		3.0	4.0	3.0	3.0	3.0	3.0	4.0	4.0	3.0	3.3	4.0
Mocody's Bond Rating February 2009 Feb				Financial Risk Profile (2)		Intermediate	Aggressive	Intermediate	Intermediate	Intermediate	Intermediate	Aggressive	Aggressive	Intermediate	Intermediate	Aggressive
Bond Rating				Numerical Weighting (1)		1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	3.0
Moody's Bond Rating Bond Rating Educary 2009 Educary 200	Standard & Poor's			Business Risk Profile (2)		Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strong	Excellent	Excellent	Satisfactory
Mocody's Bond Raling February 2009 February F			Annual State of State	Numerical Weighting (1)		2.0	8.0	0.9	0.9	4.0	6.0	8.0	10.0	4.0	7.0	10.0
Moody's		d Rating	Jary 2009	Credit Rating		Ą	888+	∢	∢	AA-	∢	888+	888-	AA-	-\-\	88B-
Moody's Bond Rating February 2009		Bon	Febr	Numerical Weighting (1)		7.0	8.0	6.0	;	4.0	6.0	6.0	10.0	4.0	6.4	10.0
Mod Band B				Bond Rating		Ą	BBB+	۷	Ä	AA-	4	∢	88B-	AA-	A	888-
Ban Moody's	and Rating	ıruary 2009	Numerical Weighting (1)		7.0	10.0	7.0	!	6.0	7.0	8.0	10.0	90	7.6	10.0	
Proxy Group of Nine Value Line Natural Gas Distribution Companies AGL Resources Inc. Atmos Energy Corp. The Laclede Group, Inc. New Jersey Resources Corp. Northwest Natural Gas Co. Piedmont Natural Gas Co., Inc. South Jersey Industries, Inc. Southwest Gas Corprised The Company WGL Holdings, Inc. AVERAGE		ă	Fet	Bond Rating		A3	Baa3	A3	R	A2	A3	Baa1	Baa3	Α2	Baa1	Baa3
					Proxy Group of Nine Value Line Natural Gas Distribution Companies	AGL Resources Inc.	Atmos Energy Corp.	The Laclede Group, Inc.	New Jersey Resources Corp.	Northwest Natural Gas Co.	Piedmont Natural Gas Co., Inc.	South Jersey Industries, Inc.	Southwest Gas Corporation	W/Cl Holdings Inc	•	Southern Union Company

ATG LG LG NJR NWN PNY SJI SWX WGL

Notes: (1) (2)

From page 3 of this Schedule. From Standard & Poor's Issuer Ranking: U.S. Natural Gas Distribution and Integrated Gas Companies, Strongest to Weakest and U.S. Midstream Energy Companies, Strongest to Weakest February 2, 2009 shown on Schedule 4 of this Exhibit.

@ 4 @ @ C

Ratings, business risk and financial risk profiles are those of Atlanta Gas Light Company.

Ratings, business risk and financial risk are those of Laclede Gas Company.

Ratings, business risk and financial risk profiles are those of New Jersey Natural Gas Company.

Ratings, business risk and financial risk profiles are those of South Jersey Gas.

Ratings, business risk and financial risk profiles are those of Washington Gas Light Company.

Source Information:

Moody's Investors Service Standard & Poor's Global Utilities Rating Service

Missouri Gas Energy Numerical Assignment for Moody's and Standard & Poor's Bond Ratings Standard & Poor's Business and Financial Risk Profiles

Moody's Bond Rating	Numerical Bond Weighting	Standard & Poor's Bond Rating
Aaa	1	AAA
Aa1	2	AA+
Aa2	3	AA
Aa3	4	AA-
A1	5	A+
A2	6	A
A3	7	A-
Baa1	8	BBB+
Baa2	9	BBB
Baa3	10	BBB-
Ba1	11	BB+
Ba2	12	BB
Ba3	13	BB-

Standard & Poor's

Business Risk Profile	Numerical <u>Weighting</u>	Financial <u>Risk Profile</u>	Numerical Weighting
Excellent	1	Minimal	1
Strong	2	Modest	2
Satisfactory	3	Intermediate	3
Weak	4	Aggressive	4
Vulnerable	5	Highly Leveraged	5

Moody's Comparison of Interest Rate Trends for the Two Months Ending January 2009 (1)

Spread - Public Utility Bonds		Baa over A		1.55 %
Spread - Pub		A over Aa		0.50 %
Hility Bonds	Baa (Pub. Util.) over Aaa	(Согр.)		2.96 %
orporate v. Public L	Aa (Pub. Util.) A (Pub. Util.) Baa (Pub. over Aaa over Aaa	(Corp.)		1.41 %
Spread - C	Aa (Pub. Util.) over Aaa	(Corp.)		0.91 %
		Baa Rated	8.13 % 7.90	8.02 %
	Public Utility Bonds	A Rated	6.54	6.47 %
		Aa Rated	5.93	2.97 %
	Corporate Bonds	Aaa Rated	5.06	2.06 %
		Years	December-08	Average of Last 2 Months

Notes: (1) All yields are distributed yields.

Average 5 yr Spread Between Moody's A and Baa Rated Public Utility Bonds
January 2009 Spread Between Moody's A and Baa Rated Public Utility Bonds
1.51% 20% Weight
5 yr Normalized Spread Between Moody's A and Baa Rated Public Utility Bonds
0.60%

Source of Information: Mergent Bond Record, February 2009, Vol. 76, No. 2.

Missouri Gas Energy Judgment of Equity Risk Premium for the Proxy Group of Nine Value Line Natural Gas Distribution Companies

Line No.		Proxy Group of Nine Value Line Natural Gas Distribution Companies	Southern Union Company
1.	Calculated equity risk premium based on the total market using the beta approach (1)	6.80 %	10.69 %
2.	Mean equity risk premium based on a study using the holding period returns of public utilities with Baa rated bonds (2)	4.13	4.13
3.	Average equity risk premium	<u>5.47</u> %	<u>7.41</u> %

Notes:

- (1) From page 6 of this Schedule.(2) From page 8 of this Schedule.

Missouri Gas Energy Derivation of Equity Risk Premium Based on the Total Market Approach Using the Beta for the Proxy Group of Nine Value Line Natural Gas Distribution Companies

Line <u>No.</u>		Proxy Group of Nine Value Line Natural Gas Distribution Companies	Southern Union Company
1.	Arithmetic mean total return rate on the Standard & Poor's 500 Composite Index - 1926-2007 (1)	12.30 %	12.30 %
2.	Arithmetic mean yield on Aaa and Aa Corporate Bonds 1926-2007 (2)	(6.10)	(6.10)
3.	Historical Equity Risk Premium	6.20_%	6.20 %
4.	Forecasted 3-5 year Total Annual Market Return (3)	28.85 %	28.85 %
5.	Prospective Yield an Aaa Rated Corporate Bonds (4)	(5.08)	(5.08)
6.	Forecasted Equity Risk Premium	%	%
7.	Conclusion of Equity Risk Premium (5)	9.71 %	9.71 %
8.	Adjusted Value Line Beta (6)	0.70	1.10
9.	Beta Adjusted Equity Risk Premium	6.80 %	10.69_%

Notes:

- (1) From <u>|bbotson SBBI 2008 Valuation Yearbook Market Results for Stocks Bonds Bills and Inflation for 1926-2007</u>, Morningstar, Inc., 2008 Chicago, IL.
- (2) From Moody's Industrial Manual and Mergent Bond Record Monthly Update.
- (3) From page 3 of Schedule FJH-18.
- (4) Average forecast based upon six quarterly estimates of Aaa rated corporate bonds per the consensus of nearly 50 economists reported in Blue Chip Financial Forecasts dated February 1, 2009 (see page 7 of this Schedule). The estimates are detailed below.

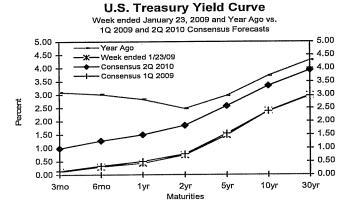
ET 10 . 1 .0000	4.00	~
First Quarter 2009	4.90	%
Second Quarter 2009	4.90	
Third Quarter 2009	5.00	
Fourth Quarter 2009	5.10	
First Quarter 2010	5.20	
Second Quarter 2010	5.40	
Average	5.08	%

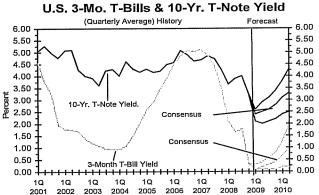
- (5) The average of the Historical Equity Risk Premium of 6.20% from Line No. 3 and the Forecasted Equity Risk Premium of 23.77% from Line No. 6 ((6.20% + 23.77%) / 2 = 14.98%. Normally, Mr. Hanley would use this average in his Risk Premium Analysis. However, in Mr. Hanley's opinion, the current and recent substantial volatility in the stock market is extraordinary and not representative of the expected long-term. Consequently, in this instance, Mr. Hanley will apply a 20% weight to the forecasted risk premium of 23.77% and an 80% weight to the historical risk premium of 6.20%, resulting in a 9.71% weighted risk premium.
- (6) From page 9 of this Schedule.

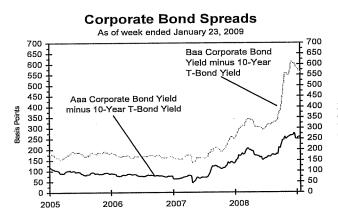
Consensus Forecasts Of U.S. Interest Rates And Key Assumptions¹

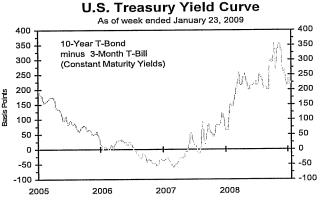
	History										Consensus Forecasts-Quarterly Avg.						
	A	verage Fo	r Week E	nd	Aver	age For N	Aonth	Latest Q	1Q	2Q	3Q	4Q	1Q	2Q			
Interest Rates	Jan.23	<u>Jan.16</u>	Jan.9	Jan.2	Dec.	Nov.	Oct.	<u>4Q 2008</u>	<u>2009</u>	<u>2009</u>	<u>2009</u>	<u>2009</u>	<u>2010</u>	<u>2010</u>			
Federal Funds Rate	0.20	0.10	0.10	0.10	0.16	0.39	0.97	0.51	0.1	0.1	0.2	0.3	0.5	0.9			
Prime Rate	3.25	3.25	3.25	3.25	3.61	4.00	4.56	4.06	3.2	3.2	3.2	3.3	3.6	3.9			
LIBOR, 3-mo.	1.13	1.13	1.37	1.43	1.83	2.28	4.06	2.11	1.4	1.3	1.2	1.2	1.5	1.9			
Commercial Paper, 1-mo.	0.16	0.13	0.09	0.12	0.25	0.61	1.55	0.80	0.5	0.5	0.5	0.6	0.9	1.3			
Treasury bill, 3-mo.	0.12	0.12	0.11	0.09	0.03	0.19	0.69	0.30	0.1	0.2	0.3	0.4	0.7	1.0			
Treasury bill, 6-mo.	0.30	0.29	0.30	0.27	0.26	0.74	1.23	0.74	0.3	0.4	0.5	0.6	0.9	1.3			
Treasury bill, 1 yr.	0.43	0.43	0.44	0.37	0.49	1.07	1.42	0.99	0.5	0.6	0.7	0.9	1.2	1.5			
Treasury note, 2 yr.	0.74	0.74	0.80	0.79	0.82	1.21	1.61	1.21	0.8	0.9	1.0	1.2	1.5	1.8			
Treasury note, 5 yr.	1.48	1.42	1.62	1.55	1.52	2.29	2.73	2.18	1.5	1.6	1.8	2.0	2.3	2.6			
Treasury note, 10 yr.	2.39	2.30	2.48	2.24	2.42	3.53	3.81	3.25	2.4	2.5	2.6	2.8	3.1	3.3			
Treasury note, 30 yr.	2.98	2.93	3.03	2.68	2.87	4.00	4.17	3.68	3.0	3.1	3.2	3.4	3.7	3.9			
Corporate Aaa bond	4.93	4.89	5.04	4.74	5.08	6.15	6.28	5.84	4.9	4.9	5.0	5.1	5.2	5.4			
Corporate Baa bond	7.98	7.97	8.23	8.07	8.46	9.22	8.88	8.85	7.9	7.6	7.5	7.4	7.4	7.5			
State & Local bonds	4.80	4.80	5.02	5.24	5.56	5.23	5.50	5.43	4.8	4.7	4.6	4.6	4.7	4.8			
Home mortgage rate	4.96	4.96	5.01	5.1	5.33	6.09	6.20	5.87	4.9	4.8	4.9	5.0	5.2	5.4			
	******			Histor	y				Cons	ensus	Foreca	sts-Qu	arterly	Avg.			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q*	1Q	2Q	3Q	4Q	1Q	2Q			
Key Assumptions	2007	2007	2007	2007	2008	2008	2008	<u> 2008</u>	2009	2009	2009	<u>2009</u>	<u>2010</u>	<u>2010</u>			
Major Currency Index	81.9	79.3	77.0	73.3	72.0	70.9	73.5	81.3	80.1	80.8	81.1	81.1	81.6	81.9			
Real GDP	0.1	4.8	4.8	-0.2	0.9	2.8	-0.5	-5.2	-3.7	-1.2	0.8	1.8	2.5	2.7			
GDP Price Index	4.1	2.0	1.5	2.8	2.6	1.1	4.2	0.3	1.1	1.3	1.5	1.5	1.8	1.7			
Consumer Price Index	3.7	4.6	2.8	5.0	4.3	5.0	6.7	-9.2	-2.2	1.0	1.8	1.8	2.0	2.0			

Individual panel members' forecasts are on pages 4 through 9. Historical data for interest rates except LIBOR is from Federal Reserve Release (FRSR) H.15. LIBOR quotes available from The Wall Street Journal. Definitions reported here are same as those in FRSR H.15. Treasury yields are reported on a constant maturity basis. Historical data for the U.S. Federal Reserve Board's Major Currency Index is from FRSR H.10 and G.5. Historical data for Real GDP and GDP Chained Price Index are from the Bureau of Economic Analysis (BEA). Consumer Price Index (CPI) history is from the Department of Labor's Bureau of Labor Statistics (BLS). Figures for 4Q 2008 Real GDP and GDP Chained Price Index are consensus forecasts based on a special question asked of the panelists this month (see page 14). Actual figures will be released on January 30th.









Missouri Gas Energy Derivation of Mean Equity Risk Premium Based on a Study Using Holding Period Returns of Public Utilities

		Over Baa Rated Public Utility Bonds
		AUS Consultants -
Line		Utility Services
No.	-	Study (1)
Time Period		1928-2007
1.	Arithmetic Mean Holding Period Returns (2):	
	Standard & Poor's Public	
	Utility Index	11.24 %
2.	Arithmetic Mean Yield on:	
	Moody's Baa Rated Public Utility Bonds	<u>(7.11)</u>
3.	Equity Risk Premium	<u>4.13</u> %
Notes:	(1) S&P Public Utility Index and Moody's Pu Annual Yields 1928-2007, (AUS Consult 2008).	
	(2) Holding period returns are calculated bar received (dividends and interest) plus the market value of a security over a one-ye	e relative change in the

Missouri Gas Energy

Value Line Adjusted Betas for the Proxy Group of Nine Value Line Natural Gas Distribution Companies and Southern Union Company

	Value Line Adjusted Beta
Proxy Group of Nine Value Line Natural Gas Distribution Companies	
AGL Resources Inc.	0.75
Atmos Energy Corp.	0.65
The Laclede Group, Inc.	0.65
New Jersey Resources Corp.	0.70
Northwest Natural Gas Co.	0.60
Piedmont Natural Gas Co., Inc.	0.70
South Jersey Industries, Inc.	0.75
Southwest Gas Corporation	0.75
WGL Holdings, Inc.	0.75
Average	0.70
Median	0.70
Southern Union Company	1.10

Source of Information: Value Line Investment Survey

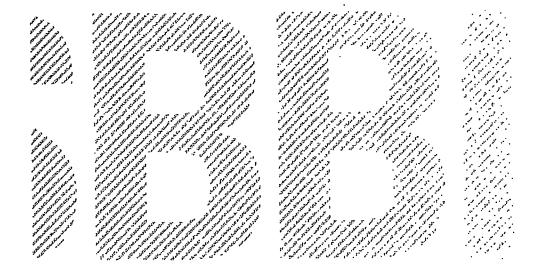
(Standard Edition) December 12,

2008.

Ibbotson° SBBI°

2008 Valuation Yearbook

Market Results for Stocks, Bonds, Bills, and Inflation 1926–2007





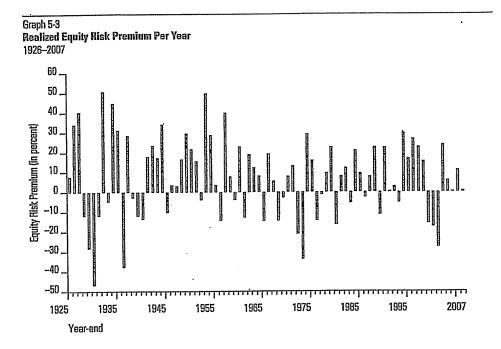
For example, if bond yields rise unexpectedly, investors can receive a higher coupon payment from a newly issued bond than from the purchase of an outstanding bond with the former lower-coupon payment. The outstanding lower-coupon bond will thus fail to attract buyers, and its price will decrease, causing its yield to increase correspondingly, as its coupon payment remains the same. The newly priced outstanding bond will subsequently attract purchasers who will benefit from the shift in price and yield; however, those investors who already held the bond will suffer a capital loss due to the fall in price.

Anticipated changes in yields are assessed by the market and figured into the price of a bond. Future changes in yields that are not anticipated will cause the price of the bond to adjust accordingly. Price changes in bonds due to unanticipated changes in yields introduce price risk into the total return. Therefore, the total return on the bond series does not represent the riskless rate of return. The income return better represents the unbiased estimate of the purely riskless rate of return, since an investor can hold a bond to maturity and be entitled to the income return with no capital loss.

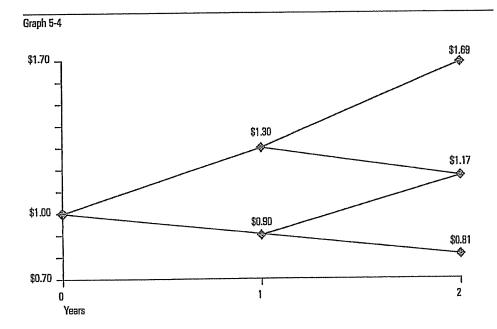
Arithmetic versus Geometric Means

The equity risk premium data presented in this book are arithmetic average risk premia as opposed to geometric average risk premia. The arithmetic average equity risk premium can be demonstrated to be most appropriate when discounting future cash flows. For use as the expected equity risk premium in either the CAPM or the building block approach, the arithmetic mean or the simple difference of the arithmetic means of stock market returns and riskless rates is the relevant number. This is because both the CAPM and the building block approach are additive models, in which the cost of capital is the sum of its parts. The geometric average is more appropriate for reporting past performance, since it represents the compound average return.

The argument for using the arithmetic average is quite straightforward. In looking at projected cash flows, the equity risk premium that should be employed is the equity risk premium that is expected to actually be incurred over the future time periods. Graph 5-3 shows the realized equity risk premium for each year based on the returns of the ser 500 and the income return on long-term government bonds. (The actual, observed difference between the return on the stock market and the riskless rate is known as the realized equity risk premium.) There is considerable volatility in the year-by-year statistics. At times the realized equity risk premium is even negative.



To illustrate how the arithmetic mean is more appropriate than the geometric mean in discounting cash flows, suppose the expected return on a stock is 10 percent per year with a standard deviation of 20 percent. Also assume that only two outcomes are possible each year: +30 percent and -10 percent (i.e., the mean plus or minus one standard deviation). The probability of occurrence for each outcome is equal. The growth of wealth over a two-year period is illustrated in Graph 5-4.



The most common outcome of \$1.17 is given by the geometric mean of 8.2 percent. Compounding the possible outcomes as follows derives the geometric mean:

$$[(1+0.30)\times(1-0.10)]^{16}-1=0.082$$

However, the expected value is predicted by compounding the arithmetic, not the geometric, mean. To illustrate this, we need to look at the probability-weighted average of all possible outcomes:

$$\begin{array}{c} (0.25 \times \$1.69) = \$0.4225 \\ + (0.50 \times \$1.17) = \$0.5850 \\ + (0.25 \times \$0.81) = \$0.2025 \\ \hline \cdot \text{Total} \qquad \$1.2100 \end{array}$$

Therefore, \$1.21 is the probability-weighted expected value. The rate that must be compounded to achieve the terminal value of \$1.21 after 2 years is 10 percent, the arithmetic mean:

$$1 \times (1+0.10)^2 = 1.21$$

The geometric mean, when compounded, results in the median of the distribution:

$$1 \times (1 + 0.082)^2 = 1.17$$

The arithmetic mean equates the expected future value with the present value; it is therefore the appropriate discount rate.

Appropriate Historical Time Period

The equity risk premium can be estimated using any historical time period. For the U.S., market data exists at least as far back as the late 1800s. Therefore, it is possible to estimate the equity risk premium using data that covers roughly the past 100 years.

Our equity risk premium covers the time period from 1926 to the present. The original data source for the time series comprising the equity risk premium is the Center for Research in Security Prices. CRSP chose to begin their analysis of market returns with 1926 for two main reasons. CRSP determined that the time period around 1926 was approximately when quality financial data became available. They also made a conscious effort to include the period of extreme market volatility from the late twenties and early thirties; 1926 was chosen because it includes one full business cycle of data before the market crash of 1929. These are the most basic reasons why our equity risk premium calculation window starts in 1926.

Implicit in using history to forecast the future is the assumption that investors' expectations for future outcomes conform to past results. This method assumes that the price of taking on risk changes only slowly, if at all, over time. This "future equals the past" assumption is most applicable to a random time-series variable. A time-series variable is random if its value in one period is independent of its value in other periods.

Does the Equity Risk Premium Revert to Its Mean over Time?

Some have argued that the estimate of the equity risk premium is upwardly biased since the stock market is currently priced high. In other words, since there have been several years with extraordinarily high market returns and realized equity risk premia, the expectation is that returns and realized equity risk premia will be lower in the future, bringing the average back to a normalized level. This argument relies on several studies that have tried to determine whether reversion to the mean exists in stock market prices and the equity risk premium.3 Several academics contradict each other on this topic; moreover, the evidence supporting this argument is neither conclusive nor compelling enough to make such a strong assumption.

Our own empirical evidence suggests that the yearly difference between the stock market total return and the U.S. Treasury bond income return in any particular year is random. Graph 5-3, presented earlier, illustrates the randomness of the realized equity risk premium.

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³ Fama, Eugene F., and Kenneth R. French. "Permanent and Temporary Components of Stock Prices," Journal of Political Economy, April 1988, pp. 246–273. Poterba, James M., and Lawrence H. Summers. "Mean Reversion in Stock Prices," Journal of Financial Economics, October 1988, pp. 27–59. Lo, Andrew W., and A. Craig MacKinlay. "Stock Market Prices Do Not Follow Random Walks: Evidence from a Simple Specification Test," The Review of Financial Studies, Spring 1988, pp. 41-66. Finnerty, John D., and Dean Leistikow. "The Behavior of Equity and Debt Risk Premiums: Are They Mean Reverting and Downward-Trending?" The Journal of Portfolio Management, Summer 1993, pp. 73-84. Ibbotson, Roger G., and Scott L. Lummer. "The Behavior of Equity and Debt Risk Premiums: Comment," The Journal of Portfolio Management, Summer 1994, pp. 98-100. Finnerty, John D., and Dean Leistikow. "The Behavior of Equity and Debt Risk Premiums: Reply to Comment," The Journal of Portfolio Management, Summer 1994, pp. 101-102.

A statistical measure of the randomness of a return series is its serial correlation. Serial correlation (or autocorrelation) is defined as the degree to which the return of a given series is related from period to period. A serial correlation near positive one indicates that returns are predictable from one period to the next period and are positively related. That is, the returns of one period are a good predictor of the returns in the next period. Conversely, a serial correlation near negative one indicates that the returns in one period are inversely related to those of the next period. A serial correlation near zero indicates that the returns are random or unpredictable from one period to the next. Table 5-3 contains the serial correlation of the market total returns, the realized long-horizon equity risk premium, and inflation.

Table 5-3 Interpretation of Annual Serial Correlations 1926–2007

	Serial Correlation	Interpretation
Series Large Company Stock Total Returns Equity Risk Premium Inflation Rates	0.03 0.03 0.65	Random Random Trend

The significance of this evidence is that the realized equity risk premium next year will not be dependent on the realized equity risk premium from this year. That is, there is no discernable pattern in the realized equity risk premium—it is virtually impossible to forecast next year's realized risk premium based on the premium of the previous year. For example, if this year's difference between the riskless rate and the return on the stock market is higher than last year's, that does not imply that next year's will be higher than this year's. It is as likely to be higher as it is lower. The best estimate of the expected value of a variable that has behaved randomly in the past is the average (or arithmetic mean) of its past values.

Table 5-4 also indicates that the equity risk premium varies considerably by decade. The complete decades ranged from a high of 17.9 percent in the 1950s to a low of 0.3 percent in the 1970s, however, thus far the 2000s have shown a -2.4 percent equity risk premium. This look at historical equity risk premium reveals no observable pattern.

Table 5- Long-H 1926-2	orizon E	quity Risl	(Premiun	n by Dec	ade					
1920s*	1930s 2.3%	1940s 8.0%	1950s 17.9%	1960s 4.2%	1970s 0.3%	1980s 7.9%	1990s 12.1%	2000s** -2.4%	1997-2007 4.2%	

^{*}Based on the period 1926-1929.

^{**}Based on the period 2000-2007.

Finnerty and Leistikow perform more econometrically sophisticated tests of mean reversion in the equity risk premium. Their tests demonstrate that—as we suspected from our simpler tests—the equity risk premium that was realized over 1926 to the present was almost perfectly free of mean reversion and had no statistically identifiable time trends. Lo and MacKinlay conclude, "the rejection of the random walk for weekly returns does not support a mean-reverting model of asset prices."

Choosing an Appropriate Historical Period

The estimate of the equity risk premium depends on the length of the data series studied. A proper estimate of the equity risk premium requires a data series long enough to give a reliable average without being unduly influenced by very good and very poor short-term returns. When calculated using a long data series, the historical equity risk premium is relatively stable. Furthermore, because an average of the realized equity risk premium is quite volatile when calculated using a short history, using a long series makes it less likely that the analyst can justify any number he or she wants. The magnitude of how shorter periods can affect the result will be explored later in this chapter.

Some analysts estimate the expected equity risk premium using a shorter, more recent time period on the basis that recent events are more likely to be repeated in the near future; furthermore, they believe that the 1920s, 1930s, and 1940s contain too many unusual events. This view is suspect because all periods contain "unusual" events. Some of the most unusual events of the last hundred years took place quite recently, including the inflation of the late 1970s and early 1980s, the October 1987 stock market crash, the collapse of the high-yield bond market, the major contraction and consolidation of the thrift industry, the collapse of the Soviet Union, the development of the European Economic Community, and the attacks of September 11, 2001.

It is even difficult for economists to predict the economic environment of the future. For example, if one were analyzing the stock market in 1987 before the crash, it would be statistically improbable to predict the impending short-term volatility without considering the stock market crash and market volatility of the 1929-1931 period.

Without an appreciation of the 1920s and 1930s, no one would believe that such events could happen. The 82-year period starting with 1926 is representative of what can happen: it includes high and low returns, volatile and quiet markets, war and peace, inflation and deflation, and prosperity and depression. Restricting attention to a shorter historical period underestimates the amount of change that could occur in a long future period. Finally, because historical event-types (not specific events) tend to

- 4 Though the study performed by Finnerty and Leistikow demonstrates that the traditional equity risk premium exhibits no mean reversion or drift, they conclude that, "the processes generating these risk premiums are generally mean-reverting," This conclusion is completely unrelated to their statistical findings and has received some criticism. In addition to examining the traditional equity risk premia, Finnerty and Leistikow include analyses on "real" risk premia as well as separate risk premia for income and capital gains. In their comments on the study, Ibbotson and Lummer show that these "real" risk premia adjust for inflation twice, "creating variables with no economic content." In addition, separating income and capital gains does not shed light on the behavior of the risk premia as a whole.
- 5 This assertion is further corroborated by data presented in Global Investing: The Professional's Guide to the World of Capital Markets (by Roger G. Ibbotson and Gary P. Brinson and published by McGraw-Hill, New York). Ibbotson and Brinson constructed a stock market total return series back to 1790. Even with some uncertainty about the accuracy of the data before the mid-nineteenth century, the results are remarkable. The real (adjusted for inflation) returns that investors received during the three 50-year periods and one 51-year period between 1790 and 1990 did not differ greatly from one another (that is, in a statistically significant amount). Nor did the real returns differ greatly from the overall 201-year average. This finding implies that because real stock-market returns have been reasonably consistent over time, investors can use these past returns as reasonable bases for forming their expectations of future returns.

repeat themselves, long-run capital market return studies can reveal a great deal about the future. Investors probably expect "unusual" events to occur from time to time, and their return expectations reflect this.

A Look at the Historical Results

It is interesting to take a look at the realized returns and realized equity risk premium in the context of the above discussion. Table 5-5 shows the average stock market return and the average (arithmetic mean) realized long-horizon equity risk premium over various historical time periods. Similarly, Graph 5-5 shows the average (arithmetic mean) realized equity risk premium calculated through 2007 for different starting dates. The table and the graph both show that using a longer historical period provides a more stable estimate of the equity risk premium. The reason is that any unique period will not be weighted heavily in an average covering a longer historical period. It better represents the probability of these unique events occurring over a long period of time.

Table 5-5 Stock Market Return and Equity Risk Premium Over Time 1926-2007

Period	Period Dates	Large Company Stock Arithmetic Mean Total Return	Long-Horizon Equity Risk Premium
Length			7.1%
82 Years	1926-2007	12.3%	7.3%
70 Years	1938-2007	12.8%	7.1%
60 Years	1948-2007	13.1%	
	1958-2007	12.2%	5.5%
50 Years		11.8%	4.4%
40 Years	1968-2007	14.0%	6.3%
30 Years	1978-2007	13.0%	6.6%
20 Years	1988-2007		6.0%
15 Years	1993-2007	11 8%	1.9%
10 Years	1998-2007	7 2%	*****
5 Years	2003-2007	13.2%	8.3%

Looking carefully at Graph 5-5 will clarify this point. The graph shows the realized equity risk premium for a series of time periods through 2007, starting with 1926. In other words, the first value on the graph represents the average realized equity risk premium over the period 1926-2007. The next value on the graph represents the average realized equity risk premium over the period 1927–2007, and so on, with the last value representing the average over the most recent five years, 2003-2007. Concentrating on the left side of Graph 5-5, one notices that the realized equity risk premium, when measured over long periods of time, is relatively stable. In viewing the graph from left to right, moving from longer to shorter historical periods, one sees that the value of the realized equity risk premium begins to decline significantly. Why does this occur? The reason is that the severe bear market of 1973-1974 is receiving proportionately more weight in the shorter, more recent average. If you continue to follow the line to the right, however, you will also notice that when 1973 and 1974 fall out of the recent average, the realized equity risk premium jumps up by nearly 1.2 percent.

<u>Missouri Gas Energy</u> Spreads Between Moody's A and Baa Rated Public Utility Bond Yields <u>for Five Years One Month Ending January 2009</u>

Jan-04 Feb-04 Mar-04 Apr-04 May-04 Jun-04 Jul-04 Aug-04 Sep-04 Oct-04 Nov-04 Dec-04 Jan-05	6.15% 6.15% 5.97% 6.35% 6.62% 6.46% 6.27% 6.14% 5.98% 5.94% 5.97% 5.92% 5.78% 5.61%	6.47% 6.28% 6.12% 6.46% 6.75% 6.84% 6.67% 6.45% 6.27% 6.17% 6.16% 6.10% 5.95%	0.32% 0.13% 0.15% 0.11% 0.13% 0.38% 0.40% 0.31% 0.29% 0.23% 0.19%
Feb-04 Mar-04 Apr-04 May-04 Jun-04 Jun-04 Aug-04 Sep-04 Oct-04 Nov-04 Dec-04	6.15% 5.97% 6.35% 6.62% 6.46% 6.27% 6.14% 5.98% 5.94% 5.97% 5.92% 5.78%	6.28% 6.12% 6.46% 6.75% 6.84% 6.67% 6.45% 6.27% 6.17% 6.16% 6.10%	0.15% 0.11% 0.13% 0.38% 0.40% 0.31% 0.29% 0.23% 0.19%
Mar-04 Apr-04 May-04 Jun-04 Jul-04 Aug-04 Sep-04 Oct-04 Nov-04 Dec-04	5.97% 6.35% 6.62% 6.46% 6.27% 6.14% 5.98% 5.94% 5.97% 5.92% 5.78%	6.12% 6.46% 6.75% 6.84% 6.67% 6.45% 6.27% 6.17% 6.16% 6.10%	0.11% 0.13% 0.38% 0.40% 0.31% 0.29% 0.23% 0.19%
Apr-04 May-04 Jun-04 Jul-04 Aug-04 Sep-04 Oct-04 Nov-04 Dec-04	6.35% 6.62% 6.46% 6.27% 6.14% 5.98% 5.94% 5.97% 5.92% 5.78%	6.75% 6.84% 6.67% 6.45% 6.27% 6.17% 6.16% 6.10%	0.13% 0.38% 0.40% 0.31% 0.29% 0.23% 0.19%
May-04 Jun-04 Jul-04 Aug-04 Sep-04 Oct-04 Nov-04 Dec-04	6.62% 6.46% 6.27% 6.14% 5.98% 5.94% 5.97% 5.92% 5.78%	6.75% 6.84% 6.67% 6.45% 6.27% 6.17% 6.16% 6.10%	0.38% 0.40% 0.31% 0.29% 0.23% 0.19%
Jun-04 Jul-04 Aug-04 Sep-04 Oct-04 Nov-04 Dec-04	6.46% 6.27% 6.14% 5.98% 5.94% 5.97% 5.92% 5.78%	6.67% 6.45% 6.27% 6.17% 6.16% 6.10%	0.40% 0.31% 0.29% 0.23% 0.19%
Jul-04 Aug-04 Sep-04 Oct-04 Nov-04 Dec-04	6.27% 6.14% 5.98% 5.94% 5.97% 5.92% 5.78%	6.67% 6.45% 6.27% 6.17% 6.16% 6.10%	0.31% 0.29% 0.23% 0.19%
Aug-04 Sep-04 Oct-04 Nov-04 Dec-04	5.98% 5.94% 5.97% 5.92% 5.78%	6.27% 6.17% 6.16% 6.10%	0.29% 0.23% 0.19%
Sep-04 Oct-04 Nov-04 Dec-04	5.98% 5.94% 5.97% 5.92% 5.78%	6.17% 6.16% 6.10%	0.23% 0.19%
Nov-04 Dec-04	5.97% 5.92% 5.78%	6.16% 6.10%	0.19%
Nov-04 Dec-04	5.92% 5.78%	6.10%	
Dec-04	5.78%		
		E 0E%	0.18%
	5.61%	3.3370	0.17%
Feb-05		5.76%	0.15%
Mar-05	5.83%	6.01%	0.18%
Apr-05	5.64%	5.95%	0.31%
May-05	5.53%	5.88%	0.35%
Jun-05	5.40%	5.70%	0.30%
Jul-05	5.51%	5.80%	0.29%
Aug-05	5.50%	5.81%	0.31%
Sep-05	5.52%	5.83%	0.31%
Oct-05	5.79%	6.08%	0.29%
Nov-05	5.88%	6.19%	0.31%
Dec-05	5.80%	6.14%	0.34%
Jan-06	5.75%	6.06%	0.31%
Feb-06	5.82%	6.11%	0.29%
Mar-06	5.98%	6.26%	0.28%
Apr-06	6.29%	6.54%	0.25%
May-06	6.42%	6.59%	0.17%
Jun-06	6.40%	6.61%	0.21%
Jul-06	6.37%	6.61%	0.24%
Aug-06	6.20%	6.43%	0.23%
Sep-06	6.00%	6.26%	0.26%
Oct-06	5.98%	6.24%	0.26%
Nov-06	5.80%	6.04%	0.24%
Dec-06	5.81%	6.05%	0.24%
Jan-07	5.96%	6.16%	0.20%
Feb-07	5.90%	6.10%	0.20%
Mar-07	5.85%	6.10%	0.25%
Apr-07	5.97%	6.24%	0.27%
May-07	5.99%	6.23%	0.24%
Jun-07	6.30%	6.54%	0.24%
Jul-07	6.25%	6.49%	0.24%
Aug-07	6.24%	6.51%	0.27%
Sep-07	6.18%	6.45%	0.27%
Oct-07	6.11%	6.36%	0.25%
Nov-07	5.97%	6.27%	0.30%
Dec-07	6.16%	6.51%	0.35%
Jan-08	6.02%	6.35%	0.33%
Feb-08	6.21%	6.60%	0.39%
Mar-08	6.21%	6.68%	0.47%
Apr-08	6.29%	6.81%	0.52%
May-08	6.27%	6.79%	0.52%
Jun-08	6.38%	6.93%	0.55% 0.57%
Jul-08	6.40%	6.97% 5.98%	
Aug-08	6.37%	6.98%	0.61% 0.66%
Sep-08	6.49%	7.15%	1.02%
Oct-08	7.56%	8.58%	1.78%
Nov-08	7.20%	8.98% 8.13%	1.78%
Dec-08	6.54% 6.39%	7.90%	1.51%
Jan-09 Average	6.09%	6.46%	0.37%

Source of Information:

Missouri Gas Energy

Indicated Common Equity Cost Rate Through Use of the Capital Asset Pricing Model for the Proxy Group of Nine Value Line Natural Gas Distribution Companies and Southern Union Company

Line No.		Proxy Group of Nine Value Line Natural Gas Distribution Companies	Southern Union Company
1.	Traditional Capital Asset Pricing Model (1)	10.92 %	15.23 %
2.	Empirical Capital Asset Pricing Model (1)	11.73_%	<u>14.96</u> %
3.	Conclusion	11.33_%	<u>15.10</u> %

Notes:

(1) From page 2 of this Schedule.

Missouri Gas Energy Indicated Common Equity Cost Rate Through Use of the Capital Asset Pricing Model

	<u>1</u>	<u>2</u>	<u>3</u>
	Value Line Adjusted Beta	Company-Specific Risk Premium Based on Market Premium of 10.77% (1)	CAPM Result Including Risk-Free Rate of 3.38% (2)
		Traditional Capital Asset Pricing Mo	odel (3)
Proxy Group of Nine Value Line Natural			
Gas Distribution Companies	0.75	8.08 %	11.46 %
AGL Resources Inc.	0.75	7.00	10.38
Atmos Energy Corp.		7.00	10.38
The Laclede Group, Inc.	0.65	7.54	10.92
New Jersey Resources Corp.	0.70		
Northwest Natural Gas Co.	0.60	6.46	9.84
Piedmont Natural Gas Co., Inc.	0.70	7.54	10.92
South Jersey Industries, Inc.	0.75	8.08	11.46
Southwest Gas Corporation	0.75	8.08	11.46
WGL Holdings, Inc.	0.75	8.08	11.46
Average	0.70	<u>7.54</u> %	<u>10.92</u> %
Median	0.70	7.54 %	10.92 %
Southern Union Company	1.10	<u>11.85</u> %	<u>15.23</u> %
		Empirical Capital Asset Pricing Mo	del (4)
Proxy Group of Nine Value Line Natural Gas Distribution Companies			
AGL Resources Inc.	0.75	8.75 %	12.13 %
Atmos Energy Corp.	0.65	7.95	11.33
The Laclede Group, Inc.	0.65	7.95	11.33
New Jersey Resources Corp.	0.70	8.35	11.73
Northwest Natural Gas Co.	0.60	7.54	10.92
Piedmont Natural Gas Co., Inc.	0.70	8.35	11.73
South Jersey Industries, Inc.	0.75	8.75	12.13
Southwest Gas Corporation	0.75	8.75	12.13
WGL Holdings, Inc.	0.75	8.75	12.13
Average	0.70	8.35 %	11.73 %
Median	0.70	<u>8.35</u> %	<u>11.73</u> %
Southern Union Company	1.10	<u>11.58</u> %	<u>14.96</u> %

See page 3 for notes.

Missouri Gas Energy
Development of the Market-Required Rate of Return on Common Equity Using
the Capital Asset Pricing Model for
the Proxy Group of Nine Natural Gas Distribution Companies
and Southern Union Company
Adjusted to Reflect a Forecasted RiskFree Rate and Market Return

Notes:

For reasons explained in Mr. Hanley's accompanying direct testimony, from the two previous month-end (December 2008 – January 2009), as well as a recently available (February 13, 2009), <u>Value Line Summary & Index</u>, a forecasted 3-5 year total annual market return of 28.85% can be derived by averaging the 3-month and spot forecasted total 3-5 year total appreciation, converting it into an annual market appreciation and adding the <u>Value Line</u> average forecasted annual dividend yield. (1)

The 3-5 year average total market appreciation of 148% produces a four-year average annual return of 25.49% ((2.48^{25}) - 1). When the average annual forecasted dividend yield of 3.36% is added, a total average market return of 28.85% (3.36% + 25.49%) is derived.

The 3-month and spot forecasted total market return of 28.85% minus the risk-free rate of 3.38% (developed in Note 2) is 25.47% (28.85% - 3.38%). The Morningstar, Inc. (lbbotson Associates) calculated market premium of 7.10% for the period 1926-2007 results from a total market return of 1230% less the average income return on long-term U.S. Government Securities of 5.20% (12.30% - 5.20% = 7.10%). This is then averaged with the 25.54% Value Line market premium resulting in a 16.29% market premium. In Mr. Hanley's opinion, the current and recent substantial volatility in the stock market is extraordinary and not representative of the expected long-term. Consequently, in this instance, Mr. Hanley will weight what he believes is an extraordinary expected capital appreciation at 20% and will weight the historical market premium at 80%. The product of this weighting is 10.77% ((.20 * 25.47%) + (.80 * 7.10%)) which will be then multiplied by the beta in column 1 of page2 of this Exhibit.

For reasons explained in Mr. Hanley's direct testimony, the risk-free rate that Mr. Hanley relies upon for his CAPM analysis is the average forecast based upon six quarterly estimates of 30-year Treasury Note yields per the consensus of nearly 50 economists reported in the <u>Blue Chip Financial Forecasts</u> dated February 1, 2009 (see Page 7 of Schedule FJH-15). The estimates are detailed below: (2)

	30-Year
	Treasury Note Yield
First Quarter 2009	2.90%
Second Quarter 2009	3.00
Third Quarter 2009	3.20
Fourth Quarter 2009	3.40
First Quarter 2010	3.80
Second Quarter 2010	<u>4.00</u>
Average	<u>3.38%</u>

The traditional Capital Asset Pricing Model (CAPM) is applied using the following formula: (3)

 $R_s = R_F + \beta (R_M - R_F)$

Where Rs = Return rate of common stock

 $R_F = Risk Free Rate$

 β = Value Line Adjusted Beta

R_M = Return on the market as a whole

The empirical CAPM is applied using the following formula: (4)

 $R_S = R_F + .25 (R_M - R_F) + .75 \beta (R_M - R_F)$

Where R_s = Return rate of common stock R_F = Risk-Free Rate β = Value Line Adjusted Beta

R_M = Return on the market as a whole

Source of Information:

Value Line Summary & Index Blue Chip Financial Forecasts, February 1, 2009
Value Line Investment Survey, (Standard Edition) December 12, 2008.

Ibbotson SBBI – 2008 Valuation Yearbook – Market Results for Stocks, Bonds, Bills, and Inflation for 1926-2007, Morningstar, Inc., 2008, Chicago,

Missouri Gas Energy
Comparable Earnings Analysis
for a Proxy Group of Nine Non-Utility Companies Comparable to the
Proxy Group of Nine Value Line Natural Gas Distribution Companies (1)

uity,	0.57)	0.89	1.11) 0.81) 0.66 1.43		
k Common Equity, tner's Capital ccted (2) Student's Statistic					
etum on Book Comm North, or Partner's Ca 5-Year Projected (2) 6-Year Projected (2) 6-Year Projected (2)					
Rate of Return on Book Common Equity Net Worth, or Partner's Capital 5-Year Projected (2) Percent Student's Statistic	16.00 %	25.50 10.50	12.50 14.50 24.00 29.00		22.00%
Rafe					
Standard Deviation of Beta	0.0635	0.0644	0.0652 0.0611 0.0650 0.0656	0.0639	0.0605
_ ,		<i>-</i>	 - aa. e.		(6)
Standard Error of the Regression	2.2033	2.2368	2.2626 2.1222 2.2565 2.2565	2.2177	2.1000
	m	- m + (7 B C N	4	2
Unadj Beta	0.58	0.53	0.59 0.59 0.62	0.54	0.52
Adj Beta	0.75	0.70	0.75 0.75 0.80	0.72	0.70
able to				Average	ırai
is Compar I Gas Dist				∢.	Line Nati
Companie ne Natura					ine Value
on-Utility (sroup of N
of Nine No up of Nine	ta Proc. thur J.)	Frag.	nman p. Sorp.		e Proxy Conpe
Proxy Group of Nine Non-Utility Companies Comparable to the Proxy Group of Nine Value Line Natural Gas Distribution Companies (1)	Automatic Data Proc. Gallagher (Arthur J.)	inti Flavors & Frag. Kraft Foods	Northrop Grumman Raytheon Co. Sara Lee Corp. Exxon Mobil Corp.		Average for the Proxy Group of Nine Value Line Natural Gas Distribution Companies Median (4)
Proy the	Autr Gall	돌로	Ray Sar Ex		Ave Gas Mec

See Page 3 for notes.

Missouri Gas Energy
Comparable Earnings Analysis
for a Proxy Group of Twenty Non-Utility Companies Comparable to
Southern Union Company (5)

					Rate of Return on B Net Worth, or F 5-Year Pr	Rate of Return on Book Common Equity, Net Worth, or Partner's Capital 5-Year Projected (2)
Proxy Group of Twenty Non-Utility Companies Comparable to Southern Union Company (5)	Adj Beta	Unadj Beta	Standard Error of the Regression	Standard Deviation of Beta	Percent	Student's Statistic
Air Products & Chem.	1.10	1.08	2.3626	0.0681	23.00 %	0.70
AptarGroup	1.00	1.00	2,5946	0.0747	12.50	(0.68)
Avery Dennison	1.00	0.95	2.3991	0.0691	14.50	(0.42)
Amer. Express	1.15	1.21	2.4846	0.0716	28.00	1.35
Ball Corp.	1.10	1.12	2,5673	0.0740	17.50	(0.02)
Can. National Railway	1.10	1.13	2.5814	0.0744	15.50	(0.29)
Rockwell Collins	1.05	1.02	2.4591	0.0708	36.00 (6)	2.40
Dow Chemical	1.00	96'0	2.5945	0.0747	10.50	(0.94)
DST Systems	1.00	0.97	2.3933	0.0689	17.00	(0.09)
Eaton Corp.	1.10	1.14	2.4252	0.0699	18.00	0.04
Fortune Brands	1.00	0.99	2.3314	0.0672	10.50	(0.94)
Honeywell Intl	1.10	1.08	2.4089	0.0694	24.50	0.89
Mettler-Toledo Intl	1.00	0.97	2.5052	0.0722	32.50	1.94
News Corp.	1.05	1.03	2.3072	0.0665	9.00	(1.14)
Praxair Inc.	1.05	1.02	2.3077	0.0665	19.50	0.24
Donnelley (R.R) & Sons	1.05	1.02	2.5412	0.0732	14.50	(0.42)
Republic Services	1.05	1.01	2.3435	0.0675	15.00	(0.35)
Stanley Works	1.10	1.09	2.6062	0.0751	15.50	(0.29)
Travelers Cos.	1.05	1.02	2.5261	0.0728	11.50	(0.81)
Time Wamer	1.00	96.0	2.2781	0.0656	8.50	(1.20)
Average	1.05	1.04	2.4509	0.0706		
Southern Union Company	1.10	1.09	2.4005 (7)	0.0692		
Median (4)					15.50%	
Conservative Median (8)					15.50%	
See Page 3 for notes.						

Missouri Gas Energy Comparable Earnings Analysis

Notes:

- (1) The criteria for selection of the proxy group of nine non-utility companies was that the non-utility companies be domestic and have a meaningful rate of return on book common equity, shareholders' equity, net worth, or partners' capital for each of the five years ended 2007 and projected 2011- 2013 as reported in Value Line Investment Survey (Standard Edition). The proxy group of nine non-utility companies was selected based uponthe proxy group of nine Value Lire natural gas distribution companies' unadjusted beta range of 0.40 0.64 and standard error of the regression range of 1.9155 2.2845. These ranges are based upon plus or minus two standard deviations of the unadjusted beta and standard error of the regression as detailed in Mr. Hanley's direct testimony. Plus or minus two standard deviations captures 95.50% of the distribution of unadjusted betas and standard errors of the regression.
- (2) 2011 2013.
- (3) The standard deviation of group of ten Value Line electric and combination electric and gas companies' standard error of the regression is 0.0923. The standard deviation of the standarderror of the regression is calculated as follows:

Standard Deviation of the Std. Err. of the Regr. =
$$\frac{\text{Standard Error of the Regression}}{\sqrt{2N}}$$

where: N = number of observations. Since Value Line betas are derived from weekly price change observations over a period of five years, N = 259

Thus,
$$0.0923 = \frac{2.100}{\sqrt{518}} = \frac{2.100}{22.7596}$$

- (4) Median five year projected rate of return on book common equity, shareholder's equity, net worth, or partners' capital.
- (5) The criteria for selection of the proxy group of twenty companies was that the non-utility companies be domestic and have a meaningful projected rate of return on book common equity, shareholders' equity, net worth, or partners' capital 2011 2013 as reported in Value Line Investment Survey (Standard Edition). The proxy group of twenty non-utility companies was selected based upon Southern Union Company's unadjusted beta range of 0.95 1.23 and standard error of the regression range of 2.1896 2.6114. These ranges are based upon plus or minus two standard deviations of the unadjusted beta and standard error of the regression as detailed in Mr. Hanley's direct testimony. Plus or minus two standard deviations captures 95.50% of the distribution of unadjusted betas and standard errors of the regression.
- (6) The Student's T-statistic associated with these returns exceeds 2.083 at the 95% level of confidence. Therefore, they have been excluded, as outliers, to arrive at proper mean projected returns as fully explained in Mr. Hanley's testimony.
- (7) The standard deviation of the proxy group of eight Value Line natural gas distribution companies' standard error of the regression is 0.2110 (2.4005 / 22.7596).
- (8) Median of the five year historical and five year projected return on book common equity, shareholder's equity, net worth or partner's capital excluding returns identified as outliers as outlined on Note §) above.

Source of Information: Value Line, Inc., December 15, 2008

Value Line Investment Survey (Standard Edition)

Missouri Gas Energy Authorized Returns on Equity and Equity Ratios for Natural Gas Distribution Companies from January 2008 to February 2009

Northern States Prower Co-W Wisconsin					Return on Equity		Common Equity /Total Cap	
Northern States Prower Co-WI Wisconsin D-5-UR-115 (gas) 1/8/2008 10.75 52.51	Company	State	Case Identification	Date				
Misconsin Electric Power Co. Wisconsin D-5-UR-103 (WEP-GAS) 1/17/2008 10.75 54.36 Wisconsin Gas LLC Wisconsin D-5-UR-103 (WE) - GAS 1/17/2008 10.75 48.64 North Shore Gas Co. Illinols D-07-0241 2/5/2008 9.99 56.00 Peoples Gas Light & Coke Co. Indiana Ca-43298 2/13/2008 10.19 56.00 Avista Corp. Oregon D-UG-181 3/31/2008 10.00 (1) 48.99 (1) Alvista Corp. Oregon D-UG-181 3/31/2008 10.00 (1) 55.76 (1) Alvista Corp. Texas GUD-9762 6/24/2008 10.00 (1) 55.76 (1) Almos Energy Corp. Texas GUD-9762 6/24/2008 10.00 (1) 51.38 (1) Austa Corp. Uela D-07-057-13 6/24/2008 10.00 (1) 51.38 (1) San Diago Gas & Electric Co. California AP-06-12-010 7/31/2008 10.25 (1) 48.00 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
North Shore Gas Co. Illinois D-07-0241 2/5/2008 9.98 56.00 Peoples Gas Light & Coke Co. Illinois D-07-0242 2/5/2008 10.19 56.00 Indiana Gas Co. Illinois D-07-0242 2/5/2008 10.20 (1) 48.99 (1) Indiana Gas Co. Indiana Ca-43288 2/13/2008 10.20 (1) 48.99 (1) Avista Corp. Oregon D-U-G-181 3/13/2008 10.00 (1) 50.00 (1) 50.00 (1) Duke Energy Corp. Texas GUD-9762 6/24/2008 10.50 (1) 55.76 (1) Atmos Energy Corp. Texas GUD-9762 6/24/2008 10.00 (1) 50.00 (1) San Diego Gas & Electric Co. California AP-06-12-009 (gas) 7/31/2008 10.00 (1) 51.38 (1) San Diego Gas & Electric Co. California AP-06-12-009 (gas) 7/31/2008 10.00 (1) 51.38 (1) San Diego Gas & Electric Co. California AP-06-12-009 (gas) 7/31/2008 10.70 (1) 49.00 (1) SourceGas Distribution LLC Colorado D-08S-108G 8/27/2008 10.25 (1) 53.13 (1) Chesapeake Utililies Corp. Delaware D-07-186 9/2/2008 10.25 (1) 61.81 (1) Atmos Energy Corp. Georgia D-27163-U 9/17/2008 10.70 45.00 (1) 53.00 (1) 51.00 (1) 50.	Wisconsin Electric Power Co.	Wisconsin	D-5-UR-103 (WEP-GAS)	1/17/2008	10.75		54.36	
Peoples Gas Light & Coke Co. Illinois D-07-0242 25/2008 10.19 56.00 Indiana Gas Co. Indiana Ca-43298 2/13/2008 10.20 (1) 48.99 (1) Alvista Corp. Oregon D-UG-181 3/31/2008 10.00 (1) 50.00 (1) Duke Energy Ohio Inc. Ohio C-07-6898 6/24/2008 10.50 (1) 55.76 (1) Exergy Corp. Texas GUD-976 6/24/2008 10.00 48.27 Guestar Gas Co. Utah D-07-057-13 6/27/2008 10.00 (1) 51.38 (1) San Diepo Gas & Electric Co. California AP-06-12-001 6/24/2008 10.00 (1) 51.38 (1) Southern California Gas Co. California AP-06-12-001 7/81/2008 10.70 (1) 49.00 (1) Southern California Gas Co. California AP-06-12-001 7/81/2008 10.82 (1) 48.00 (1) Southern California Gas Co. California AP-06-12-001 7/81/2008 10.82 (1) 48.00 (1) Southern California Gas Co. California AP-06-12-001 7/81/2008 10.82 (1) 48.00 (1) Southern California Gas Co. California AP-06-12-001 7/81/2008 10.82 (1) 48.00 (1) Altimos Energy Corp. Georgia D-27/168 9/2/2008 10.25 (1) 53.13 (1) Central Illinois Light Co. Illinois D-07-0589 9/2/2008 10.68 47.91 Illinois Power Co. Illinois D-07-0589 9/2/2008 10.68 47.91 Illinois Power Co. Illinois D-07-0589 9/2/2008 10.68 51.76 Illinois California D-07-0589 9/2/2008 10.68 51.76 Illinois California C-40/4-08-01 9/30/2008 10.50 (1) 47.94 (1) CenterPoint Energy Resources Texas GUD 9791 10/8/2008 10.50 (1) 51.00 (1) CenterPoint Energy Resources Texas GUD 9791 10/8/2008 10.60 (1) 51.00 (1) CenterPoint Energy Resources Texas GUD 9791 10/8/2008 10.60 (1) 54.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCaliby) 11/21/2008 10.60 (1) 54.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCaliby) 11/21/2008 10.50 (1) 47.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCaliby) 11/21/2008 10.50				1/17/2008	10.75		46.64	
Peoples Gas Light & Coke Co. Illinois D-07-0242 2/5/2008 10.19 56.00 Indiana Gas Co. Indiana Ca-43298 2/13/2008 10.20 (1) 48.99 (1) Alvista Corp. Oregon D-UG-181 3/31/2008 10.00 (1) 50	North Shore Gas Co.	Illinois	D-07-0241	2/5/2008	9.99		56.00	
Indiana Gas Co. Indiana Ca.43298 2/13/2008 10.20 (1) 48.99 (1) Avista Corp. Oregon D-UG-181 3/31/2008 10.00 (1) 50.00 (1)			D-07-0242	2/5/2008	10.19		56.00	
Avista Corp. Oregon		Indiana	Ca-43298	2/13/2008	10.20	(1)	48.99	(1)
Duke Energy Ohlo Inc. Ohlo C-07-0589-GA-AIR 5/28/2008 10.50 (1) 55.76 (1) Atmos Energy Corp. Texas GU-07-057-13 6/27/2008 10.00 48.27 (1) Guestar Gas Co. Utah D-07-057-13 6/27/2008 10.00 (1) 51.38 (1) San Diego Gas & Electric Co. California AP-06-12-009 (gas) 7/31/2008 10.70 (1) 49.00 (1) Southern California AP-06-12-010 7/31/2008 10.70 (1) 49.00 (1) Southern California AP-06-12-010 7/31/2008 10.82 (1) 48.00 (1) Southern California AP-06-12-010 7/31/2008 10.82 (1) 48.00 (1) Southern California AP-06-12-010 7/31/2008 10.25 (1) 53.13 (1) Chesapeake Utilities Corp. Delaware D-07-186 9/2/2008 10.25 (1) 53.13 (1) Chesapeake Utilities Corp. Georgia D-27168-1 9/17/2008 10.25 (1) 53.13 (1) Chesapeake Utilities Corp. Georgia D-27168-1 9/17/2008 10.70 45.00 (1) Central Illinois Public Illinois D-07-0589 9/24/2008 10.68 47.91 (1) Central Illinois Public Illinois D-07-0589 9/24/2008 10.68 47.91 (1) Central Illinois Public Illinois D-07-0589 9/24/2008 10.68 51.76 (1) Central Illinois Public Illinois D-07-0589 9/24/2008 10.68 51.76 (1) Central Illinois Public Illinois D-07-0589 9/24/2008 10.68 51.76 (1) Central Illinois C-AVU-G-08-01 9/30/2008 10.20 (1) 47.94 (1) Central Point Energy Resources Texas GUD 9791 10/2/2008 10.30 (1) 51.20 (1) Central Point Energy Resources Texas GUD 9791 10/2/2008 10.60 (1) 51.00 (1) Central Point Energy Resources Texas GUD 9791 10/2/2008 10.60 (1) 51.00 (1) Central Point Energy Resources Texas GUD 9791 10/2/2008 10.60 (1) 51.00 (1) Central Point Energy Resources Texas GUD 9791 10/2/2008 10.60 (1) 51.00 (1) Central Point Energy Resources Texas GUD 9791 10/2/2008 10.60 (1) 51.00 (1) Central Point Energy Resources Central Resources Central Resources Cen		Oregon	D-UG-181	3/31/2008	10.00		50.00	
Atmos Energy Corp. Questar Gas Co. Ultah D-07-057-13 6/27/2008 10.00 (1) 51.38 (1) San Diego Gas & Electric Co. California AP-06-12-009 (gas) 7/31/2008 10.00 (1) 51.38 (1) Southern California Gas Co. California AP-06-12-010 7/31/2008 10.82 (1) 49.00 (1) Southern California Gas Co. California AP-06-12-010 7/31/2008 10.82 (1) 48.00 (1) Southern California Gas Co. California AP-06-12-010 7/31/2008 10.82 (1) 48.00 (1) Chesapeake Utilities Corp. Delaware D-07-186 9/2/2008 10.25 (1) 53.13 (1) Chesapeake Utilities Corp. Delaware D-07-186 9/2/2008 10.25 (1) 61.81 (1) Almos Energy Corp. Georgia D-27163-U 9/17/2008 10.70 45.00 Central Illinois Light Co. Illinois D-07-0588 9/24/2008 10.68 46.50 Central Illinois Light Co. Illinois D-07-0588 9/24/2008 10.68 46.50 Central Illinois Power Co. Illinois D-07-0589 9/24/2008 10.68 47.91 Illinois Power Co. Illinois D-07-0589 9/24/2008 10.68 51.76 Avista Corp. Idaho C-A-VU-G-08-01 9/30/2008 10.20 (1) 47.94 (1) New Jersey Natural Gas Co. New Jersey D-GR-07110889 10/3/2008 10.30 (1) 51.20 (1) New Jersey Natural Gas Co. New Jersey D-GR-07110889 10/3/2008 10.30 (1) 51.20 (1) CenterPoint Energy Resources Texas GUD 9791 10/20/2008 10.60 (1) 51.00 (1) CenterPoint Energy Resources Piedmont Natural Gas Co. North Carolina D-G-9, Sub 550 10/24/2008 10.60 (1) 51.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCalDiv) 11/21/2008 10.60 (1) 54.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCalDiv) 11/21/2008 10.50 (1) 47.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCalDiv) 11/21/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Rhode Island D-G-8, Sub 551 10/24/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Rhode Island D-G-9, Sub 550 10/24/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Rhode Island D-G-1551A-07-0504 12/24/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Rhode Island D-G-01551A-07-0504 12/24/2008 10.00 (1) 50.74 (1) Narragansett Electric Co. Nashington D-U-G-08-07-07-07-07-07-07-07-07-07-07-07-07-07-			C-07-0589-GA-AIR	5/28/2008	10.50		55.76	(1)
Questar Gas Co. Utah D-07-057-13 6/27/2008 10.00 (1) 51.38 (1) San Diego Gas & Electric Co. California AP-06-12-010 7/31/2008 10.70 (1) 49.00 (1) Southern California Gas Co. California AP-06-12-010 7/31/2008 10.82 (1) 48.00 (1) Southern California Gas Co. California AP-06-12-010 7/31/2008 10.25 (1) 53.13 (1) Chesappeake Utilities Corp. Delaware D-07-186 9/2/2008 10.25 (1) 53.13 (1) Chesappeake Utilities Corp. Delaware D-07-186 9/2/2008 10.25 (1) 61.81 (1) Almos Energy Corp. Georgia D-27163-U 9/17/2008 10.70 45.00 Central Illinois Public Illinois D-07-0589 9/24/2008 10.68 46.50 Central Illinois Power Co. Illinois D-07-0589 9/24/2008 10.88 47.91 Illinois Power Co. Illinois D-07-0599 9/24/2008 10.88 51.76 Avista Corp. Idaho C-AVU-68-01 9/30/2008 10.20 (1) 47.94 (1) New Jersey Natural Gas Co. New Jersey D-GR-07110889 10/3/2008 10.20 (1) 47.94 (1) New Jersey Natural Gas Co. New Jersey D-GR-07110889 10/3/2008 10.30 (1) 51.20 (1) Puget Sound Energy Inc. Washington D-UG-07-2301 10/8/2008 10.15 (1) 46.00 (1) CenterPoint Energy Resources Texas GUB 9791 10/2/2008 10.60 (1) 51.00 (1) Fubic Service Co. of NC North Carolina D-G-9, Sub 550 10/24/2008 10.60 (1) 54.00 (1) Southwest Gas Corp. California A-07-12-022 (SocalDiv) 11/21/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Rhode Island D-3943 11/24/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Rhode Island D-G-07-15514 11/24/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Washington D-UG-08-0546 12/26/2008 10.00 (1) 47.00 (1) Narragansett Electric Co. Washington D-UG-08-0546 12/26/2008 10.00 (1) 47.00 (1) Narragansett Electric Co. Washington D-UG-08-0546 12/26/2008 10.05 (1) 47.00 (1) 47.00 (1) 47.00 (1) 47.00 (1) 47.0		Texas	GUD-9762	6/24/2008	10.00	٠.	48.27	
Southern California Gas Co. California AP-06-12-010 7/81/2008 10.82 (1) 48.00 (1)		Utah	D-07-057-13	6/27/2008	10.00	(1)	51.38	(1)
SourceGas Distribution LLC	San Diego Gas & Electric Co.	California	AP-06-12-009 (gas)	7/31/2008	10.70	(1)	49.00	(1)
Chesapeake Utilities Corp. Delaware D-07-186 9/2/2008 10.25 (1) 61.81 (1)	Southern California Gas Co.	California	AP-06-12-010	7/31/2008	10.82	(1)	48.00	(1)
Atmos Energy Corp. Georgia D-27163-U 9/17/2008 10.70 45.00 Central Illinois Light Co. Illinois D-07-0588 9/24/2008 10.68 46.50 Central Illinois Public Illinois D-07-0589 9/24/2008 10.68 46.50 Central Illinois Public Illinois D-07-0589 9/24/2008 10.68 47.91 Illinois Power Co. Illinois D-07-0589 9/24/2008 10.68 51.76 Avista Corp. Idaho C-AVU-G-08-01 9/30/2008 10.20 (1) 47.94 (1) Mew Jersey Natural Gas Co. New Jersey D-GR-07110889 10/3/2008 10.30 (1) 51.20 (1) Row Jersey Natural Gas Co. New Jersey D-GR-07110889 10/3/2008 10.30 (1) 51.20 (1) CenterPoint Energy Resources Texas GUD 9791 10/20/2008 10.66 55.40 Piedmont Natural Gas Co. North Carolina D-G-9, Sub 550 10/24/2008 10.60 (1) 51.00 (1) Southwest Gas Corp. California A-07-12-022 (SoCalDiv) 11/21/2008 10.60 (1) 54.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCalDiv) 11/21/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Rhode Island D-3-943 11/24/2008 10.50 (1) 47.00 (1) Southwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.39 (1) NA (1) Southwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.50 (1) 47.00 (1) NA (1) Southwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.50 (1) 47.00 (1) Southwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.50 (1) 47.00 (1) Southwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.50 (1) 47.00 (1) NA (1) Southwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.00 (1) NA (1) Southwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.00 (1) NA (1) Southwest Gas Corp. Mashington D-UG-08-0546 12/26/2008 10.10 (1) 50.74 (1) A6.30 (1) Michigan Gas Utilities Corp Michigan C-U-15549 1/13/2009 10.45 46.49 New England Gas Company Massachusetts DPU 08-35 2/2/2009 10.05 34.19	SourceGas Distribution LLC	Colorado	D-08S-108G	8/27/2008	10.25	(1)	53.13	(1)
Central Illinois Light Co. Illinois D-07-0588 9/24/2008 10.68 46.50 Central Illinois Public Illinois D-07-0589 9/24/2008 10.68 47.91 Illinois Power Co. Illinois D-07-0589 9/24/2008 10.68 51.76 Avista Corp. Idaho C-AVU-G-08-01 9/30/2008 10.20 (1) 47.94 (1) New Jersey Natural Gas Co. New Jersey D-GR-07110889 10/3/2008 10.30 (1) 51.20 (1) Puget Sound Energy Inc. Washington D-UG-07-2301 10/8/2008 10.15 (1) 46.00 (1) Puget Sound Energy Resources Texas GUD 9791 10/20/2008 10.66 55.40 Piedmont Natural Gas Co. North Carolina D-G-9, Sub 550 10/24/2008 10.60 (1) 51.00 (1) Public Service Co. of NC North Carolina D-G-5, Sub 495 10/24/2008 10.60 (1) 54.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCalDiv) 11/21/2008 10.50 (1) 47.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCalDiv) 11/21/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Rhode Island D-G-9-0072-GA-AIR 12/3/2008 10.50 (1) 47.00 (1) Narragansett Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.00 43.44 Northwest Gas Corp. Washington D-UG-08-0546 12/26/2008 10.00 43.44 Northwest Gas Corp. Mashington D-UG-08-0546 12/26/2008 10.00 43.44 Northwest Gas Corp. Michigan C-U-15549 1/13/2009 10.55 (1) 46.30 (1) Michigan Gas Utilities Corp Michigan C-U-15549 1/13/2009 10.05 34.19 Average 10.38 46.50	Chesapeake Utilities Corp.	Delaware	D-07-186	9/2/2008	10.25	(1)	61.81	(1)
Central Illinois Public Illinois D-07-0589 9/24/2008 10.68 47.91 Illinois Power Co. Illinois D-07-0590 9/24/2008 10.68 51.76 Avista Corp. Idaho C-AVU-G-08-01 9/30/2008 10.20 (1) 47.94 (1) Avista Corp. New Jersey D-GR-07110889 10/3/2008 10.30 (1) 51.20 (1) Puget Sound Energy Inc. Washington D-UG-07-2301 10/8/2008 10.30 (1) 51.20 (1) Puget Sound Energy Inc. Washington D-UG-07-2301 10/8/2008 10.15 (1) 46.00 (1) CenterPoint Energy Resources Texas GUD 9791 10/20/2008 10.66 (1) 55.40 Public Service Co. of NC North Carolina D-G-9, Sub 550 10/24/2008 10.60 (1) 54.00 (1) Public Service Co. of NC North Carolina D-G-9, Sub 495 10/24/2008 10.60 (1) 54.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCalIbiv) 11/21/2008 10.50 (1) 47.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCalIbiv) 11/21/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Rhode Island D-3943 11/24/2008 10.50 (1) 47.00 (1) NAR Columbia Gas of Ohio Inc Ohio C-08-0072-GA-AIR 12/3/2008 10.90 (1) NA (1) Southwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.00 43.44 Northwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.00 43.44 Northwest Gas Corp. Washington D-UG-08-0546 12/26/2008 10.10 (1) 50.74 (1) Avista Corp. Washington D-UG-08-0471 12/28/2008 10.20 (1) 46.30 (1) Michigan Gas Utilities Corp Michigan C-U-15549 11/3/2009 10.45 46.49 New England Gas Company Massachusetts DPU 08-35 2/2/2009 10.45 46.49 New England Gas Company	Atmos Energy Corp.	Georgia	D-27163-U	9/17/2008	10.70		45.00	
Illinois Power Co. Illinois D-07-0590 9/24/2008 10.68 51.76 Avista Corp. Idaho C-AVU-G-08-01 9/30/2008 10.20 (1) 47.94 (1) New Jersey Natural Gas Co. New Jersey D-GR-07110889 10/3/2008 10.30 (1) 51.20 (1) Puget Sound Energy Inc. Washington D-UG-07-2301 10/8/2008 10.15 (1) 46.00 (1) CenterPoint Energy Resources Texas GUD 9791 10/20/2008 10.06 55.40 Piedmont Natural Gas Co. North Carolina D-G-9, Sub 550 10/24/2008 10.60 (1) 51.00 (1) Public Service Co. of NC North Carolina D-G-9, Sub 550 10/24/2008 10.60 (1) 54.00 (1) Southwest Gas Corp. California A-07-12-022 (SoCalDiv) 11/21/2008 10.50 (1) 47.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCalDiv) 11/21/2008 10.50 (1) 47.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCalDiv) 11/21/2008 10.50 (1) 47.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCalDiv) 11/21/2008 10.50 (1) 47.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCalDiv) 11/21/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Rhode Island D-3943 11/24/2008 10.50 (1) 47.00 (1) Narragansett Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.39 (1) NA (1) Southwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.00 43.44 Northwest Natural Gas Co. Washington D-UG-08-0546 12/26/2008 10.10 (1) 50.74 (1) Avista Corp. Washington D-UG-08-0417 12/29/2008 10.20 (1) 46.30 (1) Michigan Gas Utilities Corp Michigan C-U-15549 1/13/2009 10.45 46.49 New England Gas Company Massachusetts DPU 08-35 2/2/2009 10.05 34.19	Central Illinois Light Co.	Illinois	D-07-0588	9/24/2008	10.68		46.50	
Avista Corp. Idaho	Central Illinois Public	Illinois	D-07-0589	9/24/2008	10.68			
New Jersey Natural Gas Co. New Jersey D-GR-07110889 10/3/2008 10.30 (1) 51.20 (1)	Illinois Power Co.	Illinois	D-07-0590	9/24/2008	10.68		51.76	
Puget Sound Energy Inc. Washington D-UG-07-2301 10/8/2008 10.15 (1) 46.00 (1)	Avista Corp.	Idaho	C-AVU-G-08-01	9/30/2008	10.20	(1)	47.94	
CenterPoint Energy Resources Texas GUD 9791 10/20/2008 10.06 55.40	New Jersey Natural Gas Co.	New Jersey	D-GR-07110889	10/3/2008	10.30	(1)		
Pledmont Natural Gas Co. North Carolina D-G-9, Sub 550 10/24/2008 10.60 (1) 51.00 (1) Public Service Co. of NC North Carolina D-G-5, Sub 495 10/24/2008 10.60 (1) 54.00 (1) Southwest Gas Corp. California A-07-12-022 (SoCalDiv) 11/21/2008 10.50 (1) 47.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCalDiv) 11/21/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Rhode Island D-3943 11/21/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Rhode Island D-3943 11/24/2008 10.50 NA Columbia Gas of Ohio Inc Ohio C-08-0072-GA-AIR 12/3/2008 10.39 (1) NA (1) Southwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.00 43.44 Northwest Natural Gas Co. Washington D-UG-08-0546 12/26/2008 10.10 (1) 50.74 (1) <tr< td=""><td>Puget Sound Energy Inc.</td><td>Washington</td><td>D-UG-07-2301</td><td>10/8/2008</td><td>10.15</td><td>(1)</td><td></td><td>(1)</td></tr<>	Puget Sound Energy Inc.	Washington	D-UG-07-2301	10/8/2008	10.15	(1)		(1)
Public Service Co. of NC North Carolina D-G-5, Sub 495 10/24/2008 10.60 (1) 54.00 (1) Southwest Gas Corp. California A-07-12-022 (SoCalDiv) 11/21/2008 10.50 (1) 47.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCalDiv) 11/21/2008 10.50 (1) 47.00 (1) Southwest Gas Corp. California A-07-12-022 (LKTah) 11/21/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Rhode Island D-3943 11/24/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Rhode Island C-08-0072-GA-AIR 12/3/2008 10.50 NA (1) Columbia Gas of Ohio Inc Ohio C-08-0072-GA-AIR 12/3/2008 10.39 (1) NA (1) Southwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.00 43.44 (1) Northwest Natural Gas Co. Washington D-UG-08-0546 12/26/2008 10.10 (1) 50	CenterPoint Energy Resources	Texas		10/20/2008	10.06			
Southwest Gas Corp. California A-07-12-022 (SoCalDiv) 11/21/2008 10.50 (1) 47.00 (1) Southwest Gas Corp. California A-07-12-022 (NoCalDiv) 11/21/2008 10.50 (1) 47.00 (1) Southwest Gas Corp. California A-07-12-022 (LKTah) 11/21/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Rhode Island D-3943 11/24/2008 10.50 NA (1) Columbia Gas of Ohio Inc Ohio C-08-0072-GA-AIR 12/3/2008 10.39 (1) NA (1) Southwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.39 (1) NA (1) Northwest Natural Gas Cor. Washington D-UG-08-0546 12/26/2008 10.10 (1) 50.74 (1) Avista Corp. Washington D-UG-08-0417 12/29/2008 10.20 (1) 46.30 (1) Michigan Gas Utilities Corp Michigan C-U-15549 1/13/2009 10.45 46.49	Piedmont Natural Gas Co.	North Carolina	D-G-9, Sub 550	10/24/2008	10.60			
Southwest Gas Corp. California A-07-12-022 (NoCalDiv) 11/21/2008 10.50 (1) 47.00 (1) Southwest Gas Corp. California A-07-12-022 (LkTah) 11/21/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Rhode Island D-3943 11/24/2008 10.50 NA (1) Columbia Gas of Ohio Inc Ohio C-08-0072-GA-AIR 12/31/2008 10.39 (1) NA (1) Southwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.39 (1) NA (1) Southwest Gas Corp. Washington D-UG-08-0546 12/26/2008 10.00 43.44 Northwest Natural Gas Co. Washington D-UG-08-0417 12/29/2008 10.10 (1) 50.74 (1) Michigan Gas Utilities Corp Michigan C-U-15549 1/13/2009 10.45 46.49 New England Gas Company Massachusetts DPU 08-35 2/2/2009 10.05 34.19	Public Service Co. of NC	North Carolina	D-G-5, Sub 495	10/24/2008	10.60	(1)	54.00	(1)
Southwest Gas Corp. California A-07-12-022 (LkTah) 11/21/2008 10.50 (1) 47.00 (1) Narragansett Electric Co. Rhode Island D-3943 11/24/2008 10.50 NA (1) Columbia Gas of Ohio Inc Ohio C-08-0072-GA-AIR 12/3/2008 10.39 (1) NA (1) Southwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.00 43.44 Northwest Natural Gas Co. Washington D-UG-08-0546 12/26/2008 10.10 (1) 50.74 (1) Avista Corp. Washington D-UG-08-0417 12/29/2008 10.20 (1) 46.30 (1) Michigan Gas Utilities Corp Michigan C-U-15549 1/13/2009 10.45 46.49 New England Gas Company Massachusetts DPU 08-35 2/2/2009 10.05 34.19	Southwest Gas Corp.	California	A-07-12-022 (SoCalDiv)	11/21/2008	10.50	(1)		
Narragansett Electric Co. Rhode Island D-3943 11/24/2008 10.50 NA Columbia Gas of Ohio Inc Ohio C-08-0072-GA-AIR 12/3/2008 10.39 (1) NA (1) Southwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.00 43.44 Northwest Natural Gas Co. Washington D-UG-08-0546 12/26/2008 10.10 (1) 50.74 (1) Avista Corp. Washington D-UG-08-0417 12/29/2008 10.20 (1) 46.30 (1) Michigan Gas Utilities Corp Michigan C-U-15549 1/13/2009 10.45 46.49 New England Gas Company Massachusetts DPU 08-35 2/2/2009 10.05 34.19	Southwest Gas Corp.	California	A-07-12-022 (NoCalDiv)	11/21/2008				
Columbia Gas of Ohio Inc Ohio C-08-0072-GA-AIR 12/3/2008 10.39 (1) NA (1) Southwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.00 43.44 Northwest Natural Gas Co. Washington D-UG-08-0546 12/26/2008 10.10 (1) 50.74 (1) Avista Corp. Washington D-UG-08-0417 12/29/2008 10.20 (1) 46.30 (1) Michigan Gas Utilities Corp Michigan C-U-15549 1/13/2009 10.45 46.49 New England Gas Company Massachusetts DPU 08-35 2/2/2009 10.05 34.19	Southwest Gas Corp.	California	A-07-12-022 (LkTah)	11/21/2008	10.50	(1)		(1)
Southwest Gas Corp. Arizona D-G-01551A-07-0504 12/24/2008 10.00 43.44 Northwest Natural Gas Co. Washington D-UG-08-0546 12/26/2008 10.10 (1) 50.74 (1) Avista Corp. Washington D-UG-08-0417 12/29/2008 10.20 (1) 46.30 (1) Michigan Gas Utilities Corp Michigan C-U-15549 1/13/2009 10.45 46.49 New England Gas Company Massachusetts DPU 08-35 2/2/2009 10.05 34.19	Narragansett Electric Co.	Rhode Island	D-3943	11/24/2008	10.50		NA	
Northwest Natural Gas Co. Washington D-UG-08-0546 12/26/2008 10.10 (1) 50.74 (1) Avista Corp. Washington D-UG-08-0417 12/29/2008 10.20 (1) 46.30 (1) Michigan Gas Utilities Corp Michigan C-U-15549 1/13/2009 10.45 46.49 New England Gas Company Massachusetts DPU 08-35 2/2/2009 10.05 34.19 Average 10.38 49.71	Columbia Gas of Ohio Inc	Ohio	C-08-0072-GA-AIR	12/3/2008	10.39	(1)	NA	(1)
Avista Corp. Washington D-UG-08-0417 12/29/2008 10.20 (1) 46.30 (1) Michigan Gas Utilities Corp Michigan C-U-15549 1/13/2009 10.45 46.49 New England Gas Company Massachusetts DPU 08-35 2/2/2009 10.05 34.19 Average 10.38 49.71	Southwest Gas Corp.	Arizona	D-G-01551A-07-0504	12/24/2008	10.00		43.44	
Michigan Gas Utilities Corp Michigan C-U-15549 1/13/2009 10.45 46.49 New England Gas Company Massachusetts DPU 08-35 2/2/2009 10.05 34.19 Average 10.38 49.71	Northwest Natural Gas Co.	Washington	D-UG-08-0546	12/26/2008				
New England Gas Company Massachusetts DPU 08-35 2/2/2009 10.05 34.19 Average 10.38 49.71	Avista Corp.	Washington	D-UG-08-0417	12/29/2008	10.20	(1)	46.30	(1)
Average 10.38 49.71	Michigan Gas Utilities Corp	Michigan	C-U-15549					
	New England Gas Company	Massachusetts	DPU 08-35	2/2/2009	10.05		34.19	
Average of Litigated Cases 10.42 48.89				Average _	10.38		49.71	******
			Average	of Litigated Cases	10.42		48.89	

Notes:

Source of Information:

Report downloaded from Regulatory Research Associates, Inc. (RRA) an SNL Energy Company on March 12, 2009.

⁽¹⁾ Order followed stipulation or settlement by the parties. Decision particulars not necessarily precedent-setting or specifically adopted by the regulatory body.