Exhibit No.:

Issues:

Rate of Return, Capital Structure

Witness:

David Murray

Sponsoring Party:

MoPSC Staff

Type of Exhibit: True-Up Direct Testimony

Case No.: GR-2009-0355

Date Testimony Prepared: November 24, 2009

MISSOURI PUBLIC SERVICE COMMISSION UTILITY SERVICES DIVISION

TRUE-UP DIRECT TESTIMONY

OF

DAVID MURRAY

FILE D²

DEC 1 8 2009

Missouri Public Service Commission

MISSOURI GAS ENERGY, a Division of Southern Union Company

CASE NO. GR-2009-0355

Jefferson City, Missouri November 2009

Exhibit No. 111

Case No(s). 61-2009-0355

Date 17 | 8 | 09 | Rptr M M

1	TRUE-UP DIRECT TESTIMONY
2	OF
3,	DAVID MURRAY
4 5	MISSOURI GAS ENERGY, a Division of Southern Union Company
6	CASE NO. GR-2009-0355
7	CAPITAL STRUCTURE
8	EMBEDDED COST OF LONG-TERM DEBT
9	COST OF SHORT-TERM DEBT4
10	SUMMARY AND CONCLUSIONS6
11	

1 TRUE-UP DIRECT TESTIMONY 2 **OF** 3 **DAVID MURRAY** MISSOURI GAS ENERGY, 4 5 a Division of Southern Union Company 6 CASE NO. GR-2009-0355 7 Q. Please state your name. A. 8 My name is David Murray. 9 Are you the same David Murray who earlier filed rebuttal and surrebuttal Q. 10 testimony in this proceeding on behalf of the Staff of the Missouri Public Service 11 Commission (Staff) and, in addition, was responsible for the section of the Staff's Cost of 12 Service Report (COS Report) filed August 21, 2009 concerning cost of capital issues? 13 Α. Yes, I am. 14 In the COS Report, did you recommend a fair and reasonable rate of return Q. 15 (ROR) for the Missouri jurisdictional natural gas utility rate base for Missouri Gas Energy, a 16 Division of Southern Union Company (MGE)? 17 Yes, I did. A. 18 What is the purpose of your true-up direct testimony? Q. 19 The purpose of my true-up testimony is to update my recommended capital Α. 20 structure and embedded costs of long-term debt and short-term debt for MGE based on the 21 most recent financial information available for Staff's proxy group through Securities and 22 Exchange Commission ("SEC") Form 10-Q and 10-K filings. I will provide an updated 23 overall ROR recommendation based on this recent financial information.

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Q. Considering that your recommended capital structure and resulting ROR in this case is based on that of an average of your proxy group, why is it necessary to true-up your ROR recommendation?

A. Because capital costs and capital structures continually change due to changes in the capital markets. It is especially important to true-up ROR in this case due to the impact that the low cost of short-term debt is having on the appropriate ROR in this case. It is important to determine if the proxy companies are still incurring low costs of short-term debt.

- Q. Did all of your comparable companies have financial data available through the true-up period of September 30, 2009?
- A. No. Four of the seven comparable companies had financial data available through the true-up date; one of the seven companies had financial data through July 31, 2009, due to its use of a unique fiscal quarter; and the remaining two companies had not reported data through September 30, 2009 because this period coincides with their fiscal years, which is not reported as quickly as quarterly filings.
- Q. In any event, to your knowledge did you use the most recent financial information available for your proxy group in estimating an appropriate ROR recommendation for true-up?
- A. Yes. For purposes of my true-up ROR recommendation in this case, I used more recent data if it was available for my proxy group. For the two companies in my proxy group that did not have more recent information available, I still included the data that was available for purposes of my original ROR recommendation. Therefore, my true-up recommendation is based on a simple average of financial information for the entire proxy group.

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Q. What is your true-up ROR recommendation?

A. I recommend a ROR of 7.34 percent, which is the mid-point of my recommended ROR range of 7.22 percent to 7.47 percent. This compares to the revised recommended ROR I provided in rebuttal testimony of 7.33 percent, which was based on the mid-point of my recommended ROR range of 7.20 percent to 7.46 percent.

CAPITAL STRUCTURE

Q. What is your updated recommended ratemaking capital structure for MGE?

A. My updated recommended capital structure is as follows: 50.49 percent common stock equity, 42.07 percent long-term debt and 7.44 percent short-term debt (see Schedule 1).

Q. Is this capital structure reasonable for purposes of estimating MGE's ROR in this proceeding?

A. Yes. This capital structure contains slightly less equity than the capital structure Staff recommended in its direct filing (the COS Report). While the overall amount of debt has only changed slightly, there has been a more significant change in the components of debt. The long-term debt balance increased by over 150 basis points compared to the Staff's capital structure recommendation in its direct filing; whereas the amount of short-term debt decreased by slightly more than 100 basis points.

EMBEDDED COST OF LONG-TERM DEBT

Q. What is the true-up embedded cost of long-term debt for the proxy group?

A. The embedded cost of long-term debt for the proxy group was 5.89 percent compared to the embedded cost of long-term debt of 5.92 percent for the proxy group in Staff's original recommended ROR.

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COST OF SHORT-TERM DEBT

- Q. What was the average cost of short-term debt for the two comparable companies (New Jersey Resources Corporation and Piedmont Natural Gas Company, Inc.) you used in your direct case and you are using in the true-up to estimate a reasonable proxy cost of short-term debt for the proxy group?
- A. The true-up weighted average cost of short-term debt is now 0.94 percent, compared to the weighted average cost of short-term debt of 1.00 percent Staff provided in its rebuttal testimony.
 - Q. Is this based on an updated cost of short-term debt for both companies?
- A. No. Updated information (through July 31, 2009) was only available for Piedmont Natural Gas Company, Inc. ("Piedmont"). New Jersey Resources Corporation ("New Jersey") had yet to file its SEC Form 10-K Filing for the period ending September 30, 2009, when Staff prepared this true-up direct testimony.
- Q. How much did Piedmont's weighted average cost of short-term debt decrease from its previous SEC Form 10-Q Filing?
 - A. It declined by 10 basis points from 1.05 percent to 0.95 percent.
- Q. Although you based your cost of short-term debt recommendation based on the two "A" rated companies in the Staff's proxy group, did you discover any updated information from your other comparable companies that supports the reasonableness of a low cost of short-term debt estimate?
- A. Yes. I discovered that AGL Resources, Inc. (AGL) had a weighted average cost of short-term debt of 0.8 percent for the nine months ended September 30, 2009. Staff has not included this short-term debt cost in its recommended true-up cost of short-term debt because Staff's methodology in its direct case for estimating a proxy cost of short-term debt

was predicated on choosing the companies in its proxy group that had the same credit rating as the average for the proxy group. If Staff had included AGL's cost of short-term debt in its true-up ROR computation, this would have resulted in a lower cost of short-term debt recommendation.

- Q. Have short-term interest rates in general continued to remain fairly low?
- A. Yes. Commercial paper rates have continued to decline since the time of the Staff's earlier testimony filings. In its rebuttal testimony, Staff reported that 90-day "AA" commercial paper rates had averaged 0.31 percent for the first 8 months of 2009. This average has since declined to 0.28 for the first 10 months of 2009. Three-month LIBOR (London interbank offered rate) rates have also continued to remain low. Staff reported in its rebuttal testimony that 3-month LIBOR rates averaged 0.98 percent for the first eight months of 2009. This average has also since declined to 0.84 percent for the first 10 months of 2009.
- Q. If your proxy group had an average S&P long-term credit rating of "A", why did you provide historical interest rates for "AA" rated commercial paper?
- A. Because this is the only data Staff could locate on the Federal Reserve's website.
- Q. Does this mean that commercial paper is only available to "AA" rated companies?
- A. No. Atmos Energy Corporation has a long-term credit rating of "BBB+" and according to its most recent SEC Form 10-K filing for the 12-months ended September 30, 2009, it had approximately \$72.6 million outstanding under its commercial paper program. Because commercial paper typically has maturities of less than 9 months, this demonstrates

¹ http://research.stlouisfed.org/fred2/series/CPN3M?cid=120

² Copyright 2009 MoneyCafe.com

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current access to commercial paper markets for companies with at least "BBB+" credit ratings.

- Q. Does Staff have any reason to believe that the cost of short-term debt will increase any time soon?
- A. No. As Staff stated in its rebuttal testimony in this case, the last period of low short-term interest rates in the United States continued for a 3-year period (2002 through 2004).

SUMMARY AND CONCLUSIONS

- Do you have any closing remarks about your true-up testimony? Q.
- A. Yes. While I have proposed the use of a hypothetical capital structure and capital costs in this case, ROR should still be included as a true-up item in any ordered trueup audit in this proceeding. ROR is as much of a cost to a utility as any other more tangible costs, such as payroll or maintenance expenses. It is especially important to use the true-up process in this case to further observe any changes that may have occurred in the short-term capital markets. As Staff discovered in reviewing more recent financial information in its true-up analysis, short-term capital costs have actually declined further since Staff last provided testimony on this matter. Because this results in a lower cost of service for utility companies, it should be reflected in the rates charged to ratepayers. However, it is important to note that the lower amount of short-term debt in the true-up capital structure has resulted in Staff recommending a slightly higher ROR for purposes of the true-up in this case than in its earlier filings.
 - Does this conclude your prepared true-up direct testimony? O.
 - Yes, it does. A.

BEFORE THE PUBLIC SERVICE COMMISSION

OF THE STATE OF MISSOURI

In the Matter of Missouri Gas Energy and Its Tariff Filing to Implement a General Rate Increase for Natural Gas Service) Case No. GR-2009-0355)
AFFIDAVIT OF D	DAVID MURRAY
STATE OF MISSOURI)) ss. COUNTY OF COLE)	
preparation of the foregoing True-Up Direct consisting of pages to be presented foregoing True-Up Direct Testimony were g	eath states: that he has participated in the ct Testimony in question and answer form, in the above case; that the answers in the given by him; that he has knowledge of the h matters are true and correct to the best of his
	David Murray
Subscribed and sworn to before me this	day of November, 2009.
D. SUZIE MANKIN Notary Public - Notary Seal State of Missouri Commissioned for Cole County My Commission Expires: December 08, 2012 Commission Number: 08412071	Muzullankin Notary Public

Proxy Group Capital Structures for Most Recently Available 2009 Fiscal Quarter Balance Sheets

	WGL⁴	\$1,131,378 \$706,681 \$125,637 \$1,963,696
	South Jersey ³	\$528,528 \$357,796 \$151,377 \$1,037,701
	Piedmont ⁵	\$947,906 \$822,815 \$247,492 \$2,018,213
of Dollars)	NW Natural Gas³	\$640,874 \$637,000 \$92,085 \$1,369,959
(in Thousands of Dollars)	New Jersey Resources ⁴	\$721,239 \$463,666 \$96,311 \$1,281,216
	Atmos ³	\$2,176,761 \$2,169,531 \$3,148 \$4,349,440
	AGL³	\$1,747,000 \$1,975,000 \$1,6250 \$3,898,250
	Capital Components	Common Equity Long-Term Debt Short-Term Debt Total

Simple Average	50.49% 42.07% 7.44% 100.00%
WGL	57.61% 35.99% 6.40% 100.00%
South	50.93% 34.48% 14.59% 100.00%
Piedmont	46.97% 40.77% 12.26% 100.00%
NW Natural Gas	46.78% 46.50% 6.72% 100.00%
New Jersey Resources	56.29% 36.19% 7.52% 100.00%
Atmos	50.05% 49.88% 0.07% 100.00%
AGL	44.81% 50.66% 4.52% 100.00%
Capital Structure	Common Equity Long-Term Debt Short-Term Debt Total

(In Percentages)

Notes:

The amount of long-term debt includes current maturities.

^{2.} The amount of short-term debt is based on a 4-quarter average and was reduced for each comparable company's CWIP balance.

^{3.} Based on September 30, 2009 financial statements.

^{4.} Based on June 30, 2009 financial statements.

^{5.} Based on July 31, 2009 financial statements.

CASE NO. GR-2009-0355 MISSOURI GAS ENERGY

for the Seven Comparable Gas Utilities as of Most Recent Fiscal Quarter Cost of Long-Term Debt

				Stated Cost of
Company Name	Amount Outstanding	Interest Expense	xpense	Long-term Debt
AGI Resources Inc	\$ 1,971,000	\$ 1(08,932	5.53%
Atmos Energy Com	\$ 2,172,303	\$ 17	41,051	6.49%
Named Lines of Com-	399,845	- -	17,127	4.28%
Northwest Natural Gas Co.	\$ 637,000	€9	39,421	6.19%
Piedmont Natural Gas Co.	\$ 823,471	€5	55,510	6.74%
South Jersey Industries, Inc.	\$ 332,896	∽	17,318	5.20%
WGI Holdings Inc	\$ 689,000	€	41,838	6.07%
Total	\$ 7,025,515	\$ 42	421,197	5.79%
	Stated Cost of Long-Term Debt	rm Debt	5.	5.79%
	Plus Issuance Costs		0.	0.10% '
	Total Embedded Cost of Debt	of Debt	5.6	5.89%

Notes: 'Based on issuance costs from last Laclede rate case, Case No. GR-2007-0208

Calculation of the Composite Cost Rate of Long-Term Debt Outstanding for AGL Resources Inc. as of September 30, 2009

Notes: ¹Based on weighted average interest rate provided in Note 6. to AGL's Financial Statements in its September 30, 2009 SEC Form 10-Q Filing.

Sources of Information: 2008 Annual Form 10-K and 2009 Form 10-Q for Quarterly Period Ended September 30, 2009

MISSOUR! GAS ENERGY CASE NO. GR-2009-0355

Calculation of the Composite Cost Rate of Long-Term Debt Outstanding for Atmos Energy Corporation as of September 30, 2009

Composite Interest Rate	6.49%	
Annualized Cost (\$ 000s)	25,814 230 12,813 24,750 15,875 38,250 11,900 627 667 10,125	
Effective Cost Rate	7.375% 10.000% 5.125% 4.950% 6.350% 8.500% 5.950% 6.270% 6.670%	
Amount Outstanding (\$ 000s)	350,000 2,303 250,000 500,000 250,000 450,000 200,000 10,000 150,000 150,000	
Series	Long-Term Debt Unsecured 7.375% Senior Notes, due 2011 Unsecured 10% Unsecured Notes, due 2011 Unsecured 5.125% Senior Notes, due 2013 Unsecured 4.95% Senior Notes, due 2014 Unsecured 6.35% Senior Notes, due 2017 Unsecured 8.50% Senior Notes, due 2019 Unsecured 5.95% Senior Notes, due 2034 Medium Term Notes Series A, 1995-2, 6.27%, due 2010 Series A, 1995-1, 6.67%, due 2025 Unsecured 6.75% Debentures, due 2028	10iai E0iig 10iii E00i

Source of Information: 2009 Annual Form 10-K.

MISSOURI GAS ENERGY CASE NO. GR-2009-0355

Calculation of the Composite Cost Rate of Long-Term Debt Outstanding for New Jersey Resources Corp.
as of June 30, 2009

Composite	Interest Rate																			4.28%
:	Annualized	(\$ 000s)			150	96	1,376	81	57	06	108	009	464	483	735	7,000	2,862		3,025	\$ 17,127
Effective	Cost Rate (1)				1 %009.0	1 %009.0	6.880%	1 %009.0	0.600% 1	0.600%	0.600%	2.000%	4.500%	4.600%	4.900%	2.600%	4.770%		6.050%	
	Amount Outstanding	(\$ 000s)			25,000	16,000	20,000	13,500	9,545	15,000	18,000	12,000	10,300	10,500	15,000	125,000	000'09		20,000	\$ 399,845
	Series		New Jersey Natural Gas	First Mortgage Bonds	Variable Series AA, due 2030	Variable Series BB, due 2030	6.88% Series CC, due 2010	Variable Series DD, due 2027	Variable Series EE, due 2028	Variable Series FF, due 2028	Variable Series GG, due 2033	5% Series HH, due 2038	4.5% Series II, due 2023	4.6% Series JJ, due 2024	4.9% Series KK, due 2040	5.6% Series LL, due 2018	4.77% Unsecured senior notes, due 2014	New Jersey Resources	6.05% Unsecured senior notes, due 2017	Total Long-Term Debt

Notes: 'Based on weighted average interest rate provided in Note 7, to the Financial Statements in New Jersey Resources June 30, 2009 SEC Form 10-Q Filing. Sources of Information: 2008 Annual Form 10-K and 2009 Form 10-Q for Quarterly Period Ended June 30, 2009

Calculation of the Composite Cost Rate of Long-Term Debt Outstanding for Northwest Natural Gas Company as of September 30, 2009

		Weter the state of		Composite
	Amount	Cost	Annualized	Interest
Series	Outstanding	Rate	Cost	Rate
	(\$ 000s)		(\$ 000s)	
First Mortgage Bonds				
4.110% Series B due 2010	000'01	4.110%	411	
7.450% Series B due 2010	25,000	7.450%	1,863	
6.665% Series B due 2011	10,000	6.665%	299	
7.130% Series B due 2012	40,000	7.130%	2,852	
8.260% Series B due 2014	10,000	8.260%	826	
3.95% Series B due 2014	20,000	3.950%	1,975	
4.700% Series B due 2015	40,000	4.700%	1,880	
5.150% Series B due 2016	25,000	5.150%	1,288	
7.000% Series B due 2017	40,000	7.000%	2,800	
6.600% Series B due 2018	22,000	%009'9	1,452	
8.310% Series B due 2019	10,000	8.310%	831	
7.630% Series B due 2019	20,000	7.630%	1,526	
5.370% Series B due 2020	75,000	5.370%	4,028	
9.050% Series A due 2021	10,000	6.050%	905	
5.620% Series B due 2023	40,000	5.620%	2,248	
7.720% Series B due 2025	20,000	7.720%	1,544	
6.520% Series B due 2025	10,000	6.520%	652	
7.050% Series B due 2026	20,000	7.050%	1,410	
7.000% Series B due 2027	20,000	7.000%	1,400	
6.650% Series B due 2027	20,000	6.650%	1,330	
6.650% Series B due 2028	10,000	6.650%	999	
7.740% Series B due 2030	20,000	7.740%	1,548	
7.850% Series B due 2030	10,000	7.850%	785	
5.820% Series B due 2032	30,000	5.820%	1,746	
5.660% Series B due 2033	40,000	2.660%	2,264	
5.250% Series B due 2035	10,000	5.250%	525	
Total Long-Term Debt	\$ 637,000		\$ 39,421	6.19%

Sources of Information: 2008 Annual Form 10-K and 2009 Form 10-Q for Quarterly Period Ended September 30, 2009

Calculation of the Composite Cost Rate of Long-Term Debt Outstanding for Piedmont Natural Gas Co. as of July 31, 2009

			Effective			Composite
	₹	Amount	Cost	Anr	Annualized	Interest
Series	On	Outstanding	Rate		Cost	Rate
		(\$ 000s)		\$)	(\$ 000s)	
Senior Notes						
8.51%, due 2017	\$	35,000	8.51%	ઝ	2,979	
Insured Quarterly Notes:						
6.25%, due 2036		198,471	6.25%		12,404	
Medium-Term Notes						
7.35%, due 2009		30,000	7.35%		2,205	
7.80%, due 2010		000'09	7.80%		4,680	
6.55%, due 2011		000,09	6.55%		3,930	
5.00%, due 2013		100,000	2.00%		5,000	
6.87%, due 2023		45,000	6.87%		3,092	
8.45%, due 2024		40,000	8.45%		3,380	
7.40%, due 2025		55,000	7.40%		4,070	
7.50%, due 2026		40,000	7.50%		3,000	
7.95% due, 2029		000'09	7.95%		4,770	
6.00%, due 2033		100,000	%00.9		6,000	
Total Long-Term Debt	↔	823,471		S	55,510	6.74%

Sources of Information: 2008 Annual Form 10-K and 2009 Form 10-Q for Quarterly Period Ended April 30, 2009

MISSOURI GAS ENERGY CASE NO. GR-2009-0355

Calculation of the Composite Cost Rate of Long-Term Debt Outstanding for South Jersey Industries, Inc. as of September 30, 2009

0	d Interest Rate			612	74	986	468	6	<i>L</i> (12	39	4	1.5	32	6t	<i>L</i> t	35	26	5	9,	1:	5		336	643	51	·	27	49	5.20%
	Annualized Cost	(\$ 000s)		[9	9	36	4	729	497	512	53	544			669	797	1,425			1,776	621	545			_	191			,	\$ 17,3
Effective	Cost Rafe			6.12%	6.74%	6.57%	4.46%	5.027%	4.52%	5.115%	5.387%	5.437%	9:20%	4.60%	4.657%	7.97%	7.125%	5.587%	7.70%	5.55%	6.213%	5.45%		1.68%	2.57%	%86.0	1	00.9	4.19%	
	Amount Outstanding	(\$ 000s)		10,000	10,000	15,000	10,500	14,500	11,000	10,000	10,000	10,000	9,873	17,000	15,000	10,000	20,000	10,000	35,000	32,000	10,000	10,000		20,000	25,000	16,400		442	1,181	\$ 332,896
	Sories		First Mortgage Bonds	6.12% Series due 2010	6.74% Series due 2011	6.57% Series due 2011	4.46% Series due 2013	5.027% Series due 2013	4.52% Series due 2014	5.115% Series due 2014	5.387% Series due 2015	5.437% Series due 2016	6.50% Series due 2016	4.60% Series due 2016	4.657% Series due 2017	7.97% Series due 2018	7.125% Series due 2018	5.587% Series due 2019	7.7% Series due 2027	5.55% Series due 2033	6.213% Series due 2034	5.45% Series due 2035	Marina Energy LLC	Series A 2001 Bonds at variables rates due 2031	Series B 2001 Bonds at variables rates due 2021	Series A 2006 Bonds at variables rates due 2036	AC Landfill Energy, LLC	Bank Term Loan, 6% due 2014	Mortgage Bond, 4.19% due 2019	Total Long-Term Debt

Sources of Information: 2008 Annual Form 10-K and 2009 Form 10-Q for Quarterly Period Ended September 30, 2009 Notes: As of December 31, 2008 due to lack of information available in September 30, 2009 SEC Form 10-Q Filing.

Calculation of the Composite Cost Rate of Long-Term Debt Outstanding for WGL Holdings, Inc. as of Jane 30, 2009

			Effective		Composite
	Am	Amount	Cost	Annualized	Interest
Series	Outs	Outstanding	Rate	Cost	Rate
	(\$((\$ 000s)		(\$ 000s)	
Washington Gas Light Company					
Unsecured Medium-Term Notes					
Due fiscal year 2009, 6.92%		50,000	6.92%	3,460	
Due fiscal year 2010, 3.61%		50,000	3.61%	1,805	
Due fiscal year 2010, 7.50% to 7.70%		24,000	1,60%	1,824	
Due fiscal year 2011, 6.64%		30,000	6.64%	1,992	
Due fiscal year 2012, 5.90% to 6.05%		77,000	5.98% 2	4,605	
Due fiscal year 2014, 4.88% to 5.17%		67,000	5.03% 3	3,370	
Due fiscal year 2015, 4.83%		20,000	4.83%	996	
Due fiscal year 2016, 5.17%		25,000	5.17%	1,293	
Due fiscal year 2018, 7.46%		50,000	7.46%	3,730	
Due fiscal year 2023, 6.65%		20,000	6.65%	1,330	
Due fiscal year 2025, 5.44%		40,500	5.44%	2,203	
Due fiscal year 2027, 6.40% to 6.82%		125,000	6.61% 4	8,263	
Due fiscal year 2028, 6.57% to 6.85%		52,000	6.71% 5	3,489	
Due fiscal year 2030, 7.50%		8,500	7.50%	869	
Due fiscal year 2036, 5.70% to 5.78%		50,000	5.74% 6	2,870	
Total Long-Term Debt	89	000,689		\$ 41,838	6.07%

Notes: 1 Midpoint of 7.50% and 7.70%, (7.60% = (7.50% + 7.70%)/2).

Midpoint of 5.90% and 6.05%, (5.98% = (5.90% + 6.05%) / 2).

³ Midpoint of 4.88% and 5.17%, (5.03% = (4.88% + 5.17%) / 2). ⁴ Midpoint of 6.40% and 6.82%, (6.61% = (6.40% + 6.82%) / 2).

⁵ Midpoint of 6.57% and 6.85%, (6.71% = (6.57% + 6.85%)/2).

⁶ Midpoint of 5.70% and 5.78%, (5.74% = (5.70% + 5.78%) / 2).

Sources of Information: 2008 Annual Form 10-K and 2009 Form 10-Q for Quarterly Period Ended June 30, 2009.

Weighted Cost of Capital for Missouri Gas Energy

Weighted Cost of Capital Using Common Equity Return of:

		Common Equity Return of.		
Percentage of Capital	Embedded Cost	9.25%	9.50%	9.75%
50.49%		4.67%	4.80%	4.92%
42.07%	5.89%	2.48%	2.48%	2.48%
7.44%	0.94%	0.07%	0.07%	0.07%
100.00%		7.22%	7.34%	7.47%
	of Capital 50.49% 42.07% 7.44%	of Capital Cost 50.49% — 42.07% 5.89% 7.44% 0.94%	Percentage of Capital Embedded Cost 9.25% 50.49% — 4.67% 42.07% 5.89% 2.48% 7.44% 0.94% 0.07%	Percentage of Capital Embedded Cost 9.25% 9.50% 50.49% 4.67% 4.80% 42.07% 5.89% 2.48% 2.48% 7.44% 0.94% 0.07% 0.07%