Exhibit No.:

Issues:

Present Rate Revenues (Sales and Customers), Bad Debt Expense, Insurance Other Than Group, Fuel & Power and Chemical, Contributed

Capital

Witness:

Donald J. Petry

Exhibit Type:

Rebuttal

Sponsoring Party: Missouri-American Water Company

Case No.:

WR-2010-0131

SR-2010-0135

Date:

April 15, 2010

MISSOURI PUBLIC SERVICE COMMISSION

CASE NO. WR-2010-0131 CASE NO. SR-2010-0135

REBUTTAL TESTIMONY

OF

DONALD J. PETRY

ON BEHALF OF

MISSOURI-AMERICAN WATER COMPANY

OF THE STATE OF MISSOURI

IN THE MATTER OF MISSOURI-AMERICAN)	
WATER COMPANY FOR AUTHORITY TO)	
FILE TARIFFS REFLECTING INCREASED)	
RATES FOR WATER AND SEWER)	
SERVICE	i	

CASE NO. WR-2010-0131 CASE NO. SR-2010-0135

AFFIDAVIT OF DONALD J. PETRY

Donald J. Petry, being first duly sworn, deposes and says that he is the witness who sponsors the accompanying testimony entitled "Rebuttal Testimony of Donald J. Petry"; that said testimony and schedules were prepared by him and/or under his direction and supervision; that if inquires were made as to the facts in said testimony and schedules, he would respond as therein set forth; and that the aforesaid testimony and schedules are true and correct to the best of his knowledge.

	Donald J. Petry	
State of Missouri County of St. Louis SUBSCRIBED and sworn to Before me this day of	2010.	
Notary Public		
My commission expires:		

REBUTTAL TESTIMONY DONALD J. PETRY MISSOURI-AMERICAN WATER COMPANY CASE NO. WR-2010-0131 SR-2010-0135

TABLE OF CONTENTS

	Witness Introduction and Purpose	.1
1.	Present Rate Revenues (Sales and Customers)	.1
2.	Bad Debt Expense	.6
3.	Insurance Other Than Group	.7
4.	Fuel & Power and Chemicals	.9
5.	Contributed Capital	.10

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2						
3	REBUTTAL TESTIMONY					
4						
5		DONALD J. PETRY				
6						
7		WITNESS INTRODUCTION				
8						
9	Q.	PLEASE STATE YOUR NAME, TITLE AND BUSINESS ADDRESS.				
10	A.	Donald J. Petry, Financial Analyst III for American Water, 727 Craig Road, St.				
11		Louis, Missouri 63141.				
12						
13	Q.	HAVE YOU PREVIOUSLY SUBMITTED TESTIMONY IN THIS PROCEEDING?				
14	A.	Yes, I submitted direct testimony in this proceeding on behalf of Missouri-				
15		American Water Company (MAWC or Company).				
16						
17	Q.	WHAT IS THE PURPOSE OF YOUR REBUTTAL TESTIMONY?				
18	A.	A. The purpose of my rebuttal testimony is to respond to the Staff Report regarding				
19		the following issues on behalf of MAWC:				
20		1) Present Rate Revenues (Sales and Customers);				
21		2) Bad Debt Expense;				
22	3) Insurance Other Than Group:					
23		4) Fuel & Power;				
24		5) Chemicals; and				
25		6) Contributed Capital				
26						
27		(1) PRESENT RATE REVENUES (SALES AND CUSTOMERS)				
28						
29	Q.	PLEASE DISCUSS THE ISSUES THAT YOU HAVE WITH REGARD TO THE				
30		CALCULATION OF PRESENT RATE REVENUES.				
31	A.	I will address two issues involving Staff's calculation of present rate revenues				
32		related to sales and customers. They are as follows:				
33		1) Staff's approach to annualization and normalization of non-residential and				

non-commercial customer class sales.

2) Staff's approach to residential and commercial customers' sales usage per customer per day.

In addition, I will respond to the Missouri Industrial Energy Consumers' (MIEC") objection to the Company's proposal for the St Louis Metro District to provide a revenue contribution to certain districts and two adjustments to revenues.

8 Q. PLEASE DISCUSS THE ISSUE REGARDING ANNUALIZATION AND 9 NORMALIZATION OF NON-RESIDENTIAL AND NON-COMMERCIAL 10 CUSTOMER CLASS SALES.

A. The Staff adjusted the test year sales for the Industrial, Sale for Resale, and other Public Authority customer classes in all districts to reflect actual sales through June 30, 2009. This is consistent with the Staff's approach of updating specific segments of the revenue requirement through June 2009. As part of the Company's proposed true-up, the Company will provide Staff with the required data for the Industrial, Sales for Resale, and Other Public Authority customer classes for the twelve months ended April 2010. Using this data will maintain the matching of revenues, expenses, investments, and capital in the revenue requirement determination.

21 Q. PLEASE DISCUSS THE ISSUE REGARDING RESIDENTIAL AND 22 COMMERCIAL CUSTOMER SALES USAGE PER DAY.

A. The Company and Staff both calculated present rate revenues for the Residential and Commercial customer classes by applying a sales usage per customer per day ("UCD") to a level of customers for each district. While the Company and Staff have different levels of customers, this difference should be eliminated when the true-up of customers at April 2010 is applied to the appropriate level of UCD.

The remaining difference between the Company and Staff for the calculation of the UCD results from differing methodologies. I have attached a summary schedule (Rebuttal Schedule DJP-1) that compares each district's UCD and the methodology used for each district for the Residential and Commercial customer classes.

Q. WHAT METHODOLOGY DID THE STAFF EMPLOY IN DEVELOPING ITS 3 USAGE PER CUSTOMER PER DAY?

The Staff Report indicated a six year average (excluding 2003 and 2006) of actual UCD for all districts, with the exception of St. Louis residential monthly and Warren County Water residential and commercial customers. For those exceptions, Staff used actual test year levels. The Company does not oppose Staff's use of actual test year sales level for the St. Louis residential monthly customer class or the Warren County Water residential and commercial customer classes.

Q. DOES THE COMPANY OPPOSE THE STAFF'S POSITION OF USING A SIX YEAR AVERAGE FOR ALL DISTRICTS' RESIDENTIAL AND COMMERCIAL CUSTOMERS?

A. Yes. The Company believes that a thorough review and analysis of residential and commercial customer sales usages needs to be performed when determining the level of present rate revenues which is the basis for the setting of rates. This analysis and review should include appropriate statistical evaluation and testing to determine what is considered to be a normal level of sales when setting rates.

Α.

22 Q. IS THERE SUPPORT FOR THE COMPANY'S POSITION IN THE STAFF 23 REPORT?

Yes. In the direct testimony of Staff Witness Ms. Bolin, she identifies at page 52 two major types of revenue adjustments. One of those adjustments is the Normalization Adjustment. Ms. Bolin states "Normalizations deal with test year events that are unusual and are unlikely to be repeated in the years when the new rates from this case are in effect. Test year weather is an example." The purpose of the Company and Staff's adjustments for the test year level of UCD for residential and commercial customers is to set rates at a level that reflects normal ongoing operations. We believe the Company's approach more appropriately accomplishes this goal.

1	Q.	WHAT METHODOLOGY	DID THE	COMPANY	PROPOSE II	N DEVELOPING
2		ITS USAGE PER CUSTO	MER PER	DAY?		

- 3 The Company performed a detailed weather normalization study for the St. Α. 4 Louis, St. Joseph, Joplin, St. Charles, and Jefferson City service areas. These 5 five districts represent over 94% of the total revenues of the Company. 6 Professor Edward Spitznagel was hired by the Company to perform the studies. 7 His studies and conclusions are contained in his direct testimony that has been In summary, he found strong statistical significance and 8 filed in this case. 9 correlation between sales and weather using the Palmer Drought Severity Index ("PDSI") in predicting UCD for the following customer classes: 10
 - St. Louis Residential Quarterly
 - St. Joseph Residential

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- Joplin Commercial
- St. Charles Residential
 - St Charles Commercial
- Jefferson City Residential

When the Company did not rely on a weather normalization analysis, the Company used a six year average.

Q. HAS THE COMPANY ASKED PROFESSOR SPITZNAGEL TO DISCUSS THE
REASONS WHY A STATISTICAL ANALYSIS FOR WEATHER
NORMALIZATION IS BETTER THAN A SIMPLE SIX YEAR HISTORICAL
AVERAGE CALCULATION OF UCD?

Yes, we have. Professor Spitznagel in his rebuttal testimony will offer detailed support, analysis and reasons for using the weather normalization method over a simple six year average of UCD.

29 Q. DO YOU HAVE ANY COMMENTS THAT WILL SUPPLEMENT PROFESSOR SPITZNAGEL'S REBUTTAL TESTIMONY?

Yes, I do. As noted by Professor Spitznagel, the UCD for six of the Company's service classes are impacted by weather. The Staff has used a historical six year average to calculate revenues at present rates for those six service classes.

The Company believes that the Staff's six year average of UCD overstates the level of sales at present rates because the Staff has ignored the impact of weather on those six years. A review of actual weather for the months of April through October for the years used by the Staff to calculate its UCD, indicates that for all six service areas where the Company has utilized a weather normalized study to calculate UCD, the actual weather conditions were on average both hotter and drier. In other words, because the actual weather was hotter and drier (as measured by temperature, cooling degree days and PDSI) than normal (based on thirty years of data) and because the UCD is impacted by weather, using the Staff's six year average for calculating its UCD overstates sales and revenues at present rates.

Q. DID MIEC RAISE ANY ISSUES REGARDING REVENUES?

A. Yes, there were two issues. The first issue was normalization of residential and commercial revenues for weather in the St Louis Metro District and the second issue was the St Louis Metro District providing a revenue contribution to other Districts.

A.

Q. HOW DOES MIEC WITNESS COLLINS PROPOSE TO NORMALIZE THE REVENUES FOR THE ST. LOUIS METRO DISTRICT?

Mr. Collins used the years 2002 through 2007 to arrive at a six year average for UCD. Mr. Collins' averaging method suffers from the same criticisms Company has with respect to Staff's six year average. Professor Spitznagel will also address this in his rebuttal testimony. In addition, Mr. Collins' average is flawed because it includes two years of inconsistent data. In years 2003 and 2006, the Company changed its accounting system. And, as a result, sales for those years were not recorded on the same basis as all other years. By including those two years in his six year average, Mr. Collins has used two years of revenue that were higher than they should have been but for the accounting change.

32 Q. DID THE COMPANY PROPOSE THE ST LOUIS METRO DISTRICT PROVIDE 33 A REVENUE CONTRIBUTION TO OTHER DISTRICTS?

A. Yes, the Company proposed that the St. Louis Metro District provide a revenue contribution to Brunswick, Parkville Water, Warren County Water, Warren County Sewer, and Cedar Hill in the amounts of \$404,851; \$354,195; \$86,022; \$853,790; and \$488,473, respectively. The total amount of the contribution is 2,187,330, or 1.1% of the proforma sales for the St. Louis District.

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Q. DO YOU AGREE WITH MIEC WITNESS COLLINS THAT THE ST LOUIS METRO CONTRIBUTION IS INAPPROPRIATE?

No I do not. So that certain of our customers don't experience "rate shock", there 9 needs to be a mechanism to gradually move their rates in line with their cost of 10 service. Without the contribution, the increases for these Districts would be: 11 Warren County Sewer, 474%; Cedar Hill, 190%; Brunswick, 161%: Warren 12 County Water, 63%; and Parkville Water, 34%. Our reasoning was to keep the 13 increase below 30% for all of the districts. St Joseph was the highest increase 14 under 30%, so the contribution was meant to limit the increases in these Districts, 15 whose increases were over 30%, to a level just above that proposed for the St. 16 Joseph District (26.17%). 17

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(2) BAD DEBT EXPENSE

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Q. WHAT IS THE ISSUE REGARDING BAD DEBT EXPENSE?

22 A. The issue between Staff and Company regarding bad debt expense is whether or 23 not there should be a bad debt expense attributable to the additional revenues 24 that result from a rate increase in this case.

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- 26 Q. DID STAFF CALCULATE A BAD DEBT EXPENSE ASSOCIATED WITH THE
 27 ADDITIONAL REVENUES TO BE RECEIVED AS A RESULT OF A RATE
 28 INCREASE IN THIS CASE?
- 29 A. No.

- Q. WHY DOES THE COMPANY APPLY A BAD DEBT RATIO TO THE PROFORMA REVENUES AT PROPOSED RATES?
- 33 A. There is a direct relationship between revenues and bad debt expense. In other

words, as revenues increase, bad debt expense increases as well. Attached is Rebuttal Schedule DJP-2 which demonstrates this direct relationship in all but one of the past five years. The 2006 to 2007 trend was impacted due to a change in the methodology for calculating the uncollectible reserve and a one time write off of accounts over 180 days. By applying the bad debt ratio to proforma or anticipated revenues resulting from this case, the bad debt expense will be more accurately reflected for the period of time rates set in this case will be in effect.

8 Q. WHAT IS THE IMPACT OF THE COMPANY'S METHOD OF CALCULATING BAD 9 DEBT EXPENSE OVER THAT UTILIZED BY STAFF?

10 A. Staff's bad debt adjustment of \$(161,763) would increase by \$396,939 to \$235,176 using the Company's method.

(3) INSURANCE OTHER THAN GROUP

Q. TO WHAT ASPECT OF THE STAFF REPORT REGARDING INSURANCE OTHER THAN GROUP WOULD YOU LIKE TO RESPOND?

A. The Company has two issues with the Staff's calculation of its level of proforma Insurance Other Than Group expense. First, Staff has excluded the allocated cost of the Directors & Officers ("D & O") and the Kidnap & Ransom ("K & R") coverage in the amounts of \$61,296 and \$451 respectively. Second, MAWC disagrees with Staff's allocation of the cost based on Labor Composite.

Q. WHAT IS THE ISSUE WITH THE EXCLUSION OF THE COST FOR THE DIRECTORS & OFFICERS AND KIDNAP & RANSOM COVERAGES?

Staff's Insurance Other Than Group workpaper states that Staff proposed an adjustment to remove the premiums associated with the D & O and K & R coverages. It appears Staff has disallowed D&O and K&R insurance premiums for MAWC directors and officers as well as a portion of the D&O and K&R insurance premiums for its parent company's directors and officers. The Staff Report does not include an explanation of why the expense associated with this coverage was excluded.

A.

1 Q. IS D&O INSURANCE A NECESSARY AND CUSTOMARY BUSINESS 2 EXPENSE FOR AMERICAN WATER WORKS COMPANY (AWW) AND ITS 3 SUBSIDIARIES?

A. Yes. Without a policy of insurance to indemnify and defend its Board of Directors and its corporate officers, it would be extremely difficult to recruit qualified persons to serve on a Board of Directors or in the capacity of executive management. The disallowed amount is primarily related to MAWC's directors and officers in that American Water Works pays one half the premium, and the remainder is allocated to the subsidiaries.

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11 Q. WHY IS D & O COVERAGE AN APPROPRIATE AND REASONABLE 12 EXPENSE FOR AWW?

As a publicly traded company, AWW, as well as MAWC's directors and officers are subject to the Securities Exchange Commission Act (SEC), the Sarbanes Oxley Act (SOX), and many other federal and state regulations. The SOX legislation established new or enhanced standards for all U.S. public company boards, management, and public accounting firms. SOX contains 11 titles, or sections, ranging from additional Corporate Board responsibilities to criminal penalties, and requires the SEC to implement rulings on requirements to comply with the new law. SOX also covers issues such as auditor independence, corporate governance, internal control assessment, and enhanced financial disclosure. Prospective internal and external candidates, who are invited to a company, are subject to potential litigation in civil and criminal courts. These many complex and demanding corporate governance obligations are accompanied by potential fines and penalties and possible civil and even criminal liabilities. Any individual taking on such risks will expect and demand insurance coverage for claims that may be lodged in connection with the performance of these and other responsibilities.

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Q. WHAT ABOUT K&R INSURANCE COVERAGE?

A. K & R insurance is also a necessary and customary expense.-. This type of insurance coverage provides protection against kidnapping and extortion threats against senior officials. Additionally, the water industry has been designated as

part of the United States critical infrastructure by the Department of Homeland Security. As such, the concerns about risks to senior Company officials are heightened by the possible threat of terrorist acts or extortion against the Company.

Α.

6 Q. SHOULD THAT PORTION OF AWW'S D&O AND K&R COVERAGE EXPENSE 7 ALLOCATED TO MAWC BE INCLUDED IN MAWC'S COST OF SERVICE?

Yes. The allocated D&O and K & R coverage costs in the amounts of \$61,296 and \$451, respectively, are prudent business expenditures and should be allowed. This type of expense is crucial to the Company's ability to recruit and maintain qualified individuals to serve on its Board of Directors and in the capacity as senior Company officers. These expenses are considered customary, particularly for large, publicly traded corporations.

Α.

Q. IS THERE DISAGREEMENT BETWEEN COMPANY AND STAFF REGARDING THE CAPITAL AND O & M ALLOCATION FOR OTHER THAN GROUP INSURANCE?

I do not believe so. Staff's direct filing included an allocation of all insurance between capital and O & M based on a labor composite. The Company agrees with that methodology only for workers compensation and auto liability insurance. The Company believes that other insurance, such as general liability, should be allocated based upon actual experience. In the previous two rate proceedings, the Staff has agreed with that philosophy and a 10% capitalization ratio has been utilized to reflect actual experience. There was no substantial change in actual experience during the test year and the Company believes that the Staff has revised its position regarding this issue in this case.

(4 & 5) FUEL & POWER AND CHEMICALS

Α.

Q. WHAT IS THE ISSUE REGARDING THESE EXPENSES?

The Company and Staff disagree on the proper level of Fuel & Power and Chemical expense as a result of other disagreements they have regarding 1) the proper level of test year sales; 2) Staff's adjustment to limit the amount of non-revenue water

(NRW); 3) increased power and chemical costs occurring after October 31, but prior to the true-up (i.e., April 30, 2010). I will also address MIEC's issue regarding disallowance of chemical price increases.

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Q. PLEASE EXPLAIN EACH OF THE DIFFERENCES AS YOU UNDERSTAND THEM.

The Company and Staff disagree on the appropriate level of sales for the test period. Company witnesses Spitznagel and I address this issue. To the extent the Commission agrees that the Company's proposed level of sales is appropriate, then the Company's corresponding fuel & power and chemical expenses would be appropriate as well. Staff has proposed to limit the amount of non-revenue water in each district to a three year average. Company witness Weeks addresses this issue in his rebuttal testimony. To the extent the Commission agrees with the Company on this issue, then the Company's fuel & power and chemical expense would also be appropriate. Finally, the Company is experiencing increased fuel power and chemical costs that have occurred after October 31, 2009, but prior to the true-up date (i.e., April 30, 2010). The Company has chemical contracts in place that occurred after October 31, 2009, but prior to the true-up date of April 30, 2010. We believe Staff will be picking up these increased costs in their true-up and will resolve MIEC's issue on the accuracy of chemical prices. However, to the extent that is not the case, then we would have an issue in that regard as well.

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(6) CONTRIBUTED CAPITAL

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Q. WHAT IS THE CITY OF RIVERSIDE'S ISSUE REGARDING CONTRIBUTED CAPITAL?

The City of Riverside's Witness Duffy states the City has approved a capital budget line item of \$500,000 annually for the consecutive five years beginning in 2008 to replace water mains and install new water mains in the City. He also states the mains will become the property of MAWC and there is no provision for compensation from MAWC for this contribution and as a result, MAWC is benefiting from these contributions.

- 1 Q. DO YOU AGREE WITH CITY OF RIVERSIDE'S WITNESS DUFFY THAT THE
 2 COMPANY IS BENEFITING FROM THESE MAIN INSTALLATIONS AND
 3 REPLACEMENTS?
- A. No. While the new and replacement mains become the property of MAWC and are included in rate base, the money paid by the City for these projects is treated as Contributions in Aid of Construction. As such, the Company does not earn a return on this contributed plant, nor does it recover any depreciation expense related to this plant. The customers in the District therefore receive the benefit of this contributed plant, but incur no additional costs in the rates they pay to the Company.

- 12 Q. DOES THIS CONCLUDE YOUR REBUTTAL TESTIMONY?
- 13 A. Yes.

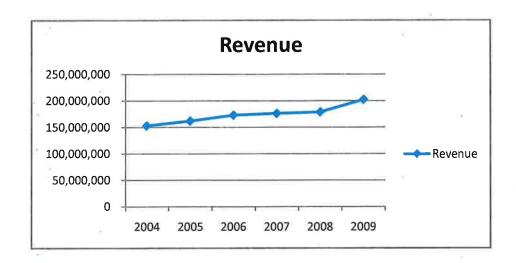
Missouri-American Water Company Case No. WR-2010-0131 Usage per Customer per Day - Company Compared to MoPSC Staff

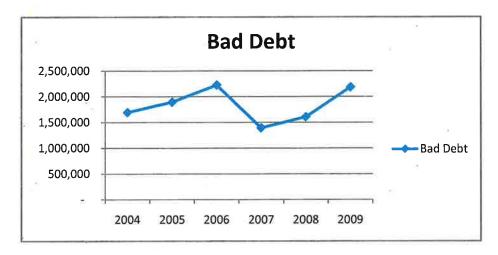
		Per Company			Р	er Staff
		Usage Per		Usag	e Per	
		Customer	Revenue	Cust		Revenue
District	Customer Class	Per Day (1)	Methodology	Per D	ay (1)	Methodology
St. Louis	Res Monthly	14230.45*	Actual Test Year	1	0,560	Actual Test Year
St. Louis	Res Quarterly	246	Weather Norm		330	6 YR AVG
St. Louis	Com Monthly	13,798	6 YR AVG	1	9,630	6 YR AVG
St. Louis	Com Quarterly	1,054	6 YR AVG		1,440	6 YR AVG
St. Joseph	Residential	159	Weather Norm		163	6 YR AVG
St. Joseph	Commercial	822	6 YR AVG		810	6 YR AVG
Joplin	Residential	185	6 YR TREND		180	6 YR AVG
Joplin	Commercial	1,062	Weather Norm		970	6 YR AVG
St. Charles	Residential	268	Weather Norm		258	6 YR AVG
St. Charles	Commercial	1,275	Weather Norm		1,230	6 YR AVG
Mexico	Residential	145	3 YR AVG		142	6 YR AVG
Mexico	Commercial	579	3 YR AVG		583	6 YR AVG
Jefferson City	Residential	159	Weather Norm		154	6 YR AVG
Jefferson City	Commercial	747	4 YR AVG		760	6 YR AVG
Parkville Water	Residential	262	3 YR AVG		259	6 YR AVG
Parkville Water	Commercial	1,154	3 YR AVG		1,017	6 YR AVG
Parkville vvaler	Commercial	1,154	3 TRAVG		1,017	OTRAVG
Warrensburg	Residential	166	3 YR AVG		161	6 YR AVG
Warrensburg	Commercial	709	3 YR AVG		720	6 YR AVG
Brunswick	Residential	114	3 YR AVG		116	6 YR AVG
Brunswick	Commercial	252	3 YR AVG		224	6 YR AVG
Warren County	Residential	173	Actual Test Year		172	Actual Test Year
Warren County	Commercial	689	Actual Test Year		690	Actual Test Year

⁽¹⁾ Gallons per day

^{*}Error - did not get converted from hundred cubic feet to thousand gallons

Missouri-American Water Company





Rate Increases effective 10/22/07 and 11/28/08

	Bad Debt	Revenue		
2004	1,688,265	152,517,557		
2005	1,889,999	161,480,715		
2006	2,219,816	172,584,075		
2007	1,386,957	175,799,403		
2008	1,600,941	178,588,550		
2009	2,179,678	201,808,317		