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Missouri Public Service Commission

Exhibit No.:

Issues:

Cost Allocation and Rate Design

Witness:

Paul R. Herbert

Exhibit Type:

Rebuttal

Sponsoring Party: Missouri-American Water Company

Case No.:

Date:

WR-2015-0301 SR-2015-0302

February 19, 2016

MISSOURI PUBLIC SERVICE COMMISSION

CASE NO. WR-2015-0301 CASE NO. SR-2015-0302

REBUTTAL TESTIMONY

OF

Paul R. Herbert

ON BEHALF OF

MISSOURI-AMERICAN WATER COMPANY

MAWL Exhibit No. 9
Date 3-21-16 Reporter 74
File No. WN-20 15-0301

BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

IN THE MATTER OF MISSOURI-AMERICAN WATER COMPANY FOR AUTHORITY TO CASE NO. WR-2015-0301 FILE TARIFFS REFLECTING INCREASED CASE NO. SR-2015-0302 RATES FOR WATER AND SEWER **SERVICE**

AFFIDAVIT OF PAUL R. HERBERT

Paul R. Herbert, being first duly sworn, deposes and says that he is the witness who sponsors the accompanying testimony entitled "Rebuttal Testimony of Paul R. Herbert"; that said testimony and schedules were prepared by him and/or under his direction and supervision; that if inquiries 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.

Commonwealth of Pennsylvania

County of Cumberland SUBSCRIBED and sworn to

Before me this But day of

Notary Public

My commission expires:

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL Cheryl Ann Rutter, Notary Public East Pennsboro Twp., Cumberland County My Commission Expires Feb. 20, 2019 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

1			
2 3		REBUTTAL TESTIMONY Paul R. Herbert	
5		MISSOURI-AMERICAN WATER COMPANY CASE NO. WR-2015-0301	
6		CASE NO. SR-2015-0302	
7			
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23			

REBUTTAL TESTIMONY

Paul R. Herbert

1		I. INTRODUCTION
2	Q.	PLEASE STATE YOUR NAMEAND BUSINESS ADDRESS.
3	A.	My name is Paul R. Herbert, and my business address is 207 Senate
4		Avenue, Camp Hill, Pennsylvania.
5		
6	Q.	HAVE YOU PREVIOUSLY SUBMITTED TESTIMONY IN THIS
7		PROCEEDING?
8	A.	Yes, I have submitted direct and supplemental testimony in this proceeding.
9		
10	Q.	WHAT IS THE PURPOSE OF YOUR REBUTTAL TESTIMONY?
11	A.	I will address the cost of service allocation and rate design issues in the Staff
12		Report on Class Cost of Service and Rate Design and the direct testimony
13		and exhibits of Staff witness James A. Busch, Missouri Industrial Energy
14		Consumers (MIEC) witness Brian Collins, Missouri Department of Economic
15		Development – Division of Energy (DE) witness Martin Hyman, and Office of
16		the Public Counsel (OPC) witness Ralph Smith.
17		
18		
19		II. REBUTTAL OF STAFF WITNESS JAMES BUSCH
20	Q.	PLEASE SUMMARIZE THE ISSUES IN THE TESTIMONY OF STAFF
21		WITNESS JAMES BUSCH.
22	A.	Mr. Busch proposes to consolidate water rates into three water districts (1, 2,
23		3) although his water districts include different, existing individual districts
24		than the Company's proposed three rate zones. His water districts are
25		organized by the operating characteristics, such as source of supply and
26		treatment methods, and geographic location. The Company's proposed rate

zones were organized more in line with the level of rates so that Zone 1 would have the lowest rates, Zone 3 would have the highest rates and Zone 2 would be in between Zones 1 and 3.

The Staff's rate structure proposed for each water district is based on Staff's proposed revenue requirement and class cost of service studies prepared by Mr. Curtis Gateley. The proposed rates for each district include a customer charge that varies with the size of meter and a single block consumption charge for each classification. Staff's customer charges reflect an overall decrease from existing customer charges.

11 Q. PLEASE COMMENT ON STAFF'S PROPOSED WATER DISTRICTS.

A. The Company does not oppose Staff's three water districts based on operational characteristics and geographic location. The Company believes this consolidation is an appropriate step to further reduce the number of rate areas.

Α.

Q. PLEASE COMMENT ON STAFF'S PROPOSED RATE STRUCTURE REGARDING VOLUMETRIC RATES.

The Company's proposal was for a single block (Rate A) for residential and small commercial, industrial and other public authority (OPA) classes with a single block (Rate J) for large customers and a single block (Rate B) for Sales for Resale. The Company does not oppose Staff's proposed volumetric structure that includes a separate single block rate for residential, commercial, industrial, OPA and resale classes. However, the Company would prefer and would recommend to combine Staff's proposed rates for commercial and OPA into one volumetric rate since the rates are very close to one another in each of Staff's water districts. This would eliminate a separate classification for OPA as these customers are very similar in usage quantities and patterns as the commercial class.

Q. PLEASE COMMENT ON STAFF'S PROPOSED CUSTOMER CHARGES.

A. Staff's proposed customer charges represent a significant <u>decrease</u> from existing customer charges. This is not acceptable and not logical. Customer costs simply have not gone down since the last case. Staff's recommended customer charges are based on a flawed customer cost analysis which resulted in costs that do not fully reflect the proper level of customer costs that should be recovered in customer charges.

Q. WHY ARE STAFF'S CUSTOMER COST ANALYSES FLAWED?

A. Staff did not properly identify certain costs as customer costs and therefore are not included in Staff's customer charges. The major omissions are listed below:

- Staff's allocation did not properly identify customer-related management fees and instead allocated all management fees on an A&G factor. Costs associated with the call center are recovered through the management fees and should be allocated exclusively to customer costs.
- Staff's allocation did not properly identify computer software as customer information systems (CIS) which is exclusively related to customer costs. Staff used an A&G factor for all computer software which allocates a majority of the costs to volumetric charges.
- Staff incorrectly allocated contributions in aid of construction (CIAC) using an A&G factor. This created a negative rate base for the billing and collecting function, resulting in a much lower cost for this function than what should properly be included in customer charges. My study correctly allocates CIAC based on the type of plant contributed, such as mains, services, meters and hydrants. None of the CIAC should be deducted from billing and collecting costs.
- Staff did not include costs related to public fire in customer costs. The Company does not have public fire hydrant rates so the costs associated with public fire must be recovered from other classes. Since public fire costs are fixed costs and do not vary at all with water usage, these costs must be recovered through customer charges. My study allocated public fire based on meter equivalents so that customers with larger meters will pay more for public fire and recognizes that customers with larger meters generally have higher property values.

Q. WHAT DO YOU RECOMMEND?

A. I recommend that customer charges reflect the proper allocation of customer costs presented in my Schedule No. PRH-2, which would be applicable in all three of Staff's water districts, state-wide. The costs used in my customer cost analysis are based on the Company's revenue requirement and would result in a 5/8-inch customer charge of \$17.40 per month or \$31.00 quarterly. The level of the customer charges would be amended based on the final revenue requirement allowed in this case.

As an alternative, I also prepared Schedule No. PRH-3, which calculates separately, the proper level of customer charges for Staff's Water Districts 1, 2, and 3, respectively.

12 Q. WHY DO YOU RECOMMEND CUSTOMER CHARGES BE UNIFORM 13 STATE-WIDE?

A. While I will acknowledge there are operational and investment differences in the costs for volumetric charges, there is little difference in the costs associated with customer costs. All customers have a similar service line and meter, all have their meter read for billing either monthly or quarterly, all are billed from a centralized billing facility, and all receive customer service from a shared call center. Since there is no compelling difference in customers' individual facilities, billing cost, and other customer-related costs, there also should be no difference in customer charges.

Q. IF YOUR PROPOSAL FOR STATE-WIDE CUSTOMER CHARGES IS NOT ACCEPTED, WHAT DO YOU PROPOSE?

A. I would proposed to have customer charges as reflected in Schedule No. PRH-3 for Water Districts 1, 2, and 3. For Water District 1, the 5/8-inch charge would be \$18.67 per month, for Water District 2, \$16.27 per month, and for Water District 3, \$16.93 per month.

30 Q. STAFF BASED ITS PROPOSED RATE DESIGN ON CLASS COST OF 31 SERVICE STUDIES PREPARED FOR EACH THE THREE WATER 32 DISTRICTS. DO YOU AGREE WITH THOSE STUDIES?

A. No, I do not. As I have demonstrated above, there are many problems with Staff's allocation of customer costs and those same problems exist, as well as others, in Staff's class cost of service studies for each district. So, I have aggregated the individual district class cost of service studies found in my original Schedule No. PRH-1 into the same three Water Districts recommended by Staff. The only exception was the study for St. Louis Metro which was amended to break down the Rate A classification into residential, commercial and OPA classes. The revised summary schedule for St. Louis Metro is attached as Schedule No. PRH-7.

The summary tables for the three Water Districts are presented in Schedule No. PRH-4, attached to my rebuttal testimony. The class cost of service indicated for the three Water Districts in Schedule No. PRH-4 should be used to determine the ultimate rate design for Water Districts 1, 2 and 3 in this case.

Α.

Q. PLEASE COMMENT ON STAFF'S PROPOSED SEWER RATE STRUCTURE.

Unfortunately, since Staff's recommended revenue requirement for sewer operations reflects only a small increase over existing rates, Staff recommended no change in existing sewer rates which they group into 5 sewer rate districts. The Company would hope that under a higher revenue requirement ultimately allowed in this case, a movement toward consolidating sewer rates into two or three districts could be achieved.

III. REBUTTAL OF MIEC WITNESS BRIAN COLLINS

Q. PLEASE SUMMARIZE THE ISSUES ADDRESSED IN THE TESTIMONY OF MIEC WITNESS BRIAN COLLINS.

A. Mr. Collins opposes consolidated pricing. He generally agrees with my St.
Louis Metro cost allocation except for the allocation of power costs. He
recommends an increase for Rate J customers in St. Louis Metro of 1.93%.

Q. PLEASE COMMENT ON MR. COLLINS' ISSUES.

1	A.	Dr. McDermott will address the issue related to consolidated tariff pricing.	
2		will address the allocation of power costs.	

4 Q. PLEASE ADDRESS MR. COLLINS' MODIFICATION TO YOUR 5 ALLOCATION OF POWER COSTS?

6 A. Mr. Collins suggests that since power bills include a demand charge that
7 varies with the Company's peak demands, Factor 3 would be a more
8 appropriate factor for allocating power costs.

Α.

10 Q. DO YOU AGREE WITH MR. COLLINS MODIFICATION TO YOUR 11 ALLOCATION OF POWER COSTS?

No, I do not. I have conducted an analysis of a sample of the Company's power bills in St. Louis Metro and determined that the bills include a monthly demand charge regardless of the level of service. Generally, electric rates are structured with a customer charge, a demand charge and commodity charges. Depending on the rate schedule, there will be a monthly demand charge every month even when power is at its lowest demand. The amount of the demand charge that <u>fluctuates from month to month</u> would be considered the extra capacity portion of the Company's power purchases, not the total demand charges.

In my analysis of power bills, the difference between the minimum demand charge for the lowest demand month and the demand charges for the remaining months results in approximately 4.5% of the total purchased power expense attributable to extra demand. Therefore, I would support a refinement to my cost allocation that would allocate 4.5% of purchased power costs to the extra capacity function; however, this refinement would result in a very minor revision to my study.

2	Q.	DOES THE AWWA MANUAL M1 SUPPORT YOUR METHOD OF									
3		ALLOCATING PURCHASED POWER IN THIS MANNER?									
4	A.	Yes, it does. It states that "the demand portion of power costs should be									
5		allocated to extra capacity to the degree that it varies with the demand									
6		pumping requirements." (emphasis added). It does not suggest that the									
7		total demand portion of power costs should be allocated to extra capacity,									
8		only to the degree that it varies with pumping requirements.									
9											
10	Q.	WHAT IS THE RESULT OF ALLOCATING POWER COSTS USING YOUR									
11		ALTERNATIVE METHOD?									
12	A.	As shown on Schedule No. PRH-5, the result of allocating 4.5% of the power									
13		costs on an extra capacity basis reduces the Rate J cost of service by									
14		\$24,160 or about 0.35% of the total Rate J costs - a very small and									
15		insignificant amount.									
16											
17		IV. REBUTTAL OF DE WITNESS MARTIN HYMAN									
18	Q.	PLEASE SUMMARIZE THE ISSUES IN THE TESTIMONY OF DE WITNESS									
19		MARTIN HYMAN.									
20	A.	DE witness Martin Hyman supports no increase to customer charges, rejects									
21		the Company's CTP proposal, and suggests moving to inclining block rates.									
22											
23	Q.	ON WHAT BASIS DOES MR. HYMAN RELY TO SUPPORT NO INCREASE									
24		TO CUSTOMER CHARGES?									

1

A. He provides no supporting evidence. Only his opinion that uncollectible
 accounts should not be included in customer charges.

Q. DO YOU AGREE?

A. No, not at all. Uncollectible accounts should be included in the customer costs supporting customer charges. Uncollectible accounts do not vary with usage, they vary with the number of customers. By using an allocation factor based on the number of customers to allocate uncollectible accounts, the result is more closely aligned with the write-offs by class, as shown in the table below:

11		<u>Write-offs</u>	<u>Percent</u>
12	Residential	\$3,945,329	94.36%
13	Commercial	230,248	5.51%
14	Industrial/Other	1,005	0.02%
15	Fire Service	<u>4,488</u>	<u>0.11%</u>
16	Total	\$4,181,070	100.00%

The table above clearly shows that the residential class is primarily responsible for uncollectible accounts and are properly allocated to customer costs based on the number of customers. Allocating uncollectible accounts to volumetric rates as Mr. Martin suggests would be inequitable since large users would pay a disproportionate share of the cost. Mr. Martin's position should be rejected as well as his recommendation not to increase customer charges. Customer charges are properly determined in my Schedule Nos. PRH-2 and PRH-3 attached to my rebuttal testimony.

2		BLOCK RATES IN THE NEXT CASE. DO YOU AGREE?
3	A.	No, I do not. The price of water is relatively inelastic. The single block rates
4		that the Company and Staff have proposed in this case provide sufficient
5		incentive for customers to conserve and limit discretionary usage.
6		
7		V. REBUTTAL OF OPC WITNESS RALPH SMITH
8	Q.	PLEASE SUMMARIZE THE ISSUES ADDRESSED IN THE TESTIMONY OF
9		OPC WITNESS RALPH SMITH.
10	A.	Mr. Smith generally opposes consolidated pricing although he is open to
11		some limited consolidation. He also opposes consolidation for wastewater
12		but could support the Staff's five rate districts.
13		
14	Q.	PLEASE ADDRESS THE ISSUE REGARDING CONSOLIDATED TARIFF
15		PRICING.
16	A.	As I indicated earlier, Dr. McDermott will address the subject of consolidated
17		tariff pricing, but I wanted to comment on the other factors that Mr. Smith
18		mentions that the Commission should consider in determining just and
19		reasonable rates. On page 7 of his testimony, Mr. Smith indicates that the
••		
20		concept of value of service is one factor that should be considered.
20 21		concept of <u>value of service</u> is one factor that should be considered.
	Q.	concept of <u>value of service</u> is one factor that should be considered. PLEASE EXPLAIN VALUE OF SERVICE CONCEPT.
21	Q. A.	
21 22		PLEASE EXPLAIN VALUE OF SERVICE CONCEPT.

1 Q. MR. MARTIN ALSO SUGGESTS MOVEMENT TOWARD INCLINING

if customers perceive that the value of water service is the same, then the pricing should be the same. Value of service pricing supports consolidated tariff pricing not district specific pricing.

8.

A.

Q. ARE CUSTOMERS AWARE OF THE COST DIFFERENCES REQUIRED TO SERVE CUSTOMERS IN DIFFERENT LOCATIONS?

I don't believe so. Customers generally are concerned with the quality and pressure of the water delivered to them. Although the original source of the water supply and the treatment process may be different, the final product delivered to the customer is the same. The Company provides water service that meets all the quality standards delivered under sufficient pressure in all of its service areas. Therefore the customers' perception would be that water service has the same value so the price should be the same.

Α.

Q. DOES DISTRICT SPECIFIC PRICING ELIMINATE ALL COST INEQUITIES IN A RATE STRUCTURE?

No, it does not. District specific pricing does not eliminate inequities or subsidies within a district. For example, it is widely acknowledged that a customer who resides near the treatment plant requires little distribution costs compared to a customer who resides many miles away. Also, certain customers can be served directly from high service pumping at the treatment facility while others require additional booster pumping and storage facilities in order to receive service at higher elevations. Yet these cost differences within a district are ignored by Mr. Smith in the district specific rate design. In

1		other words, Mr. Smith feels it is fine to have inequities within a district, but
2		not between districts.
3		·
4	Q.	WHAT DATA DOES MR. SMITH USE TO SUPPORT HIS OPPOSITION TO
5		CONSOLIDATED TARIFF PRICING?
6	A.	On pages 35 and 47 of his testimony, he presents a table showing what he
7		claims to be the cost of service per residential customer for each district in
8		Zone 1 and Zone 2 respectively.
9		
10	Q.	ARE HIS FIGURES IN HIS TABLES ACCURATE?
11	A.	No, not at all, his testimony is very misleading. The cost of service he shows
12		for each district is not the annual residential cost of service as he indicates in
13		his testimony.
14		
15	Q.	WHAT DOES HIS TABLE ON PAGE 35 OF HIS TESTIMONY
16		REPRESENT?
17	A.	The amounts shown come from his Schedule RCS-11 and reflect the sum of
18		the average <u>rate base</u> per customer plus the average <u>depreciation expense</u>
19		per customer. The amounts range from \$1,136 annually per customer for
20		Warrensburg to \$3,077 for Platte County or about 3 to 5 times what the
21		average annual cost of service for residential customers should be.
22		
23	Q.	IS THIS A PROPER DETERMINATION OF COST OF SERVICE?

1	Α.	No, not at all. Cost of service is the sum of O&M expenses and other taxes,
2		annual depreciation expense, and the return on rate base plus associated
3		income taxes.
4		
5	Q.	HAVE YOU CORRECTED THE AVERAGE COST OF SERVICE PER
6		RESIDENTIAL CUSTOMER?
7	A.	Yes. Schedule No. PRH-6 shows the correct average residential cost of
8		service. Most districts are in the \$400-\$500 range with Jefferson City,
9		Brunswick and Spring Valley in the \$500-\$700 range. Platte County is the
10		only significant outlier at \$1,035 annually. On page 2 of the schedule, I
11		rearranged the districts to conform with Staff's Water Districts 1, 2, and 3 for
12		comparative purposes.
13		
14	Q.	WHAT DO YOU CONCLUDE WITH RESPECT TO THE DATA SHOWN ON
15		SCHEDULE NO. PRH-6?
16	A.	The cost differences among the districts are actually a fraction of the cost
17		differences that Mr. Smith claims in his testimony. There are a few outliers,
18		but most districts are within a reasonable range of one another. Since Mr.
19		Smith relied on his misleading information to oppose consolidated pricing, I
20		believe his opinion and recommendations should be rejected.
21		
22	Q.	DOES THIS CONCLUDE YOUR REBUTTAL TESTIMONY?

23

A.

Yes, it does.

MISSOURI AMERICAN WATER COMPANY

CALCULATION OF THE 5/8-INCH CUSTOMER COSTS PER MONTH INCLUDING THE UNRECOVERED PUBLIC FIRE COSTS

Cost Function	Cost of Service	Number of Units	Unit Cost Per Month	Unit Cost Per Quarter	
Meters	\$ 20,803,873	568,002 5/8 Equivalents	\$ 3.05	\$ 9.15	
Services	8,480,642	534,809 3/4 Equivalents	1.32	3.96	
Billing/Collecting	29,613,896	2,797,709 Bills	10.59	10.59	
Subtotal	58,898,411		14.96	3 23.70	
Unrecovered Public Fire	16,770,089	568,002 5/8 Equivalents	2.46	7.38	
Total	\$ 75,668,499		\$ 17.42	\$ 31.08	

	Factor	Cost of	_					Billing &	Fire
Account	Ref	Service	Base	Max Day	Max Hour	Meters	Services	Collecting	Service
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
OPERATION AND MAINTENANCE EXPEN	ISES								
SOURCE OF SUPPLY EXPENSES									
Super & Eng Oper SS	2	0	0	0	С	0	0	0	0
Labor & Exp Oper SS	2	75,723	37,627	37,861	0	Ó	0	0	235
Labor & Exp Oper SS	2	390,823	194,200	195,411	0	0	0	0	1,212
Purchased Water	1	983,579	977,579	0	0	0	. 0	0	6,000
TOTAL SS EXPENSE - OPERATION	_	1,450,124	1,209,406	233,273	0	0	0	0	7,446
Misc Exp Oper SS	2	601,264	298,768	300,632	0	. 0	0	0	1,864
Misc Exp Oper SS	2	673,348	334,586	336,674	0	0	0	0	2,087
Rents Oper SS	2	2,603	1,293	1,302	0	0	0	0	8
Super & Eng Maint SS - Labor	2	58	29	29	C	0	0	0	0
Collect & Impound Maint SS - Labor	2	230	114	115	0	0	0	0	1
Lake, River & Oth Maint SS - Labor	2	372	185	186	0	0	0	0	1
Lake, River & Oth Maint SS	2	21	11	11	0	0	0	0	0
Wells & Springs Maint SS - Labor	2	97,691	48,543	48,845	0	0	0	0	303
Wells & Springs Maint SS	2	909	452	455	0	0	0	0	3
Infilt Gall & Tunnels Maint SS - Labor	2	605	301	302	0	0	0	0	2
Infilt Gall & Tunnels Maint SS	2	0	0	0	0	0	0	0	0
Supply Mains Maint SS - Labor	2	1,138	565	569	0	٥	0	0	4
Misc Plant Maint SS - Labor	2	252,884	125,658	126,442	C	C	0	. 0	784
Misc Plant Maint SS	2	31,931	15,866	15,965	<u>0</u>	0	0	0	99
TOTAL SS EXPENSE - MAINTENANCE	_	1,663,053	826,371	831,527	0		0	0	5,155
TOTAL SS EXPENSE		3,113,178	2,035,777	1,064,799	0	0	0	0	12,602
POWER AND PUMPING EXPENSES									
Super & Eng Oper P	3	107,156	50,942	51,253	0	0	0	0	4,961
Fuel for Power Prod	1	12,522	12,445	0	0	0	0	0	76
Labor & Exp Oper Pwr Prod	3	664	316	318	0	0	0	0	31
Purch Fuel/Power for Pump	1	10,292,057	10,229,275	0	0	0	0	0	62,782
Labor & Exp Oper Pump	3	2,394,863	1,138,518	1,145,463	0	0	0	0	110,882
Labor & Exp Oper Pump	3	290,887	138,288	139,131	0	0	0	0	13,468
Misc Exp Oper P	3	25,711	12,223	12,298	0	0	0	0	1,190
Rents Oper P	3	2,415	1,148	1,155	0	0	0	0	112
TOTAL PUMPING EXPENSE - OPERATION	ON "	13,126,275	11,583,155	1,349,618	0	0	Ċ	0	193,502
Super & Eng Maint P	3	115,263	54,796	55,130	o	0	0	0	5,337
Super & Eng Maint P - Other	3	332	158	159	. 0	0	0	٥	15
Struct & Improve Maint P - Labor	3	694,842	330,328	332,343	0	0	0	0	32,171
Struct & Improve Maint P	3	89,717	42,652	42,912	0	0	О	0	4,154
Pump Equip Maint P - Labor	3	462	220	221	0	0	0	0	21
Pump Equip Maint P - Labor	3	140,274	66,686	67,093	C	0	0	0	6,495
Pump Equip Maint P	3 _	39,816	18,928	19,044	0	0	0		1,843
TOTAL PUMPING EXPENSES - MAINTE	NANCE	1,080,707	513,768	516,902	0	0	0	0	50,037

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Account	Factor Ref.	Cost of Service	Base	Max Day	Max Hour	Meters	Services	Billing & Collecting	Fire Service
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
TOTAL PUMPING EXPENSES		14,206,982	12,096,923	1,866,520	0	0	0	0	243,539
		. ,,	,,,	.,,	-	_	<u> </u>	_	, - ,
VATER TREATMENT									
Super & Eng Oper WT	2	245,508	121,993	122,754	C	C	0	0	761
Super & Eng Oper WT	2	22	11	11	O.	. 0	0	0	c
Chemicals	1	8,921,667	8,867,245	0	0	0	0	0	54,422
Labor & Exp Oper WT - Labor	2	1,364,388	677,964	682,194	0	0	0	0	4,230
Labor & Exp Oper WT	2	569,217	282,844	284,608	0	0	0	0	1,765
Misc Exp Oper WT	2	0	0	0	0	C	0	0	0
Misc Exp Oper WT - Waste Disposal	1	562,667	559,235	0	0	O.	0	0	3,432
Misc Exp Oper WT	2	54,840	27,250	27,420	0	0	0	0	170
Misc Exp Oper WT - Purchased Power	1	706,265	701,956	0	0	0	.0	Ċ	4,308
Rents Oper WT	2	12,038	5,982	6,019	0	0	0	0	37
TOTAL WT EXPENSE - OPERATION		12,436,612	11,244,480	1,123,007	0	Ô	0	Ö	69,125
Super & Eng Maint WT	2	1,712,813	851,097	856,407	0	0	0	0	5,310
Super & Eng Maint WT - Contractor	2	61,572	30,595	30,786	ō	0	ō	ō	191
Struct & Improve Maint WT - Labor	2	34	17	17	Ô	0	ō	0	
Struct & Improve Maint WT	2	50	25	25	o o	ō	ō	0	Ċ
WT Equip Maint WT - Labor	2	3,540	1,759	1,770	ů.	. 0	ō	ō	1
WT Equip Maint WT	2	856,241	425,466	428,120	ō	Ö	ŏ	ō	2,654
TOTAL WT EXPENSE - MAINTENANCE	- -	2,634,250	1,308,959	1,317,125		<u>o</u> .	<u>ö</u>	 	8,166
TO THE THE CAN ENGLE HIS GIVEN HIS E	-	2,001,200		1,011,120					41144
TOTAL WT EXPENSE		15,070,862	12,553,439	2,440,132	0	0	0	0	77,291
TRANSMISSION AND DISTRIBUTION EX	PENSES								
Super & Eng Oper TD	10	533,065	111,837	29,425	124,844	147,126	87,583	0	32,250
Super & Eng Oper - Other	10	26,528	5,566	1,464	6,213	7,322	4,359	0	1,605
Storage Facilty Exp - Labor	5	48,334	16,810	0	25,365	0	0	0	6,158
Storage Facilty Exp	5	270	94	0	142	0	0	0	34
TD Lines Exp - Labor	6	1,984,052	772,788	207.333	855,920	0	0	0	148,010
TD Lines Exp	6	120,193	46,815	12,560	51,851	0	0	0	8,966
Meter Expense - Labor	8	1,080,296	0	0	0	1,068,521	Ô	Ó	11,77
Meter Expense	8	31,776	0	ō	Ċ	31,430	ō	Ċ	34
Customer Install Exp - Labor	9	616,897	ō	Ď	ō	0	560,451	Ô	56,44
Customer Install Exp	9	103,958	ō	Ô	Ô	Ô	94,446	ō	9,51
Misc Exp Oper TD - Labor	10	1,676,007	351,626	92.516	392,521	462,578	275.368	ū	101.39
Misc Exp Oper TD	10	1,696,898	356,009	93,669	397.414	468,344	278,800	0	102,662
Rents Oper TD	10	67,227	356,009 14,104	3,711	15,745	18,555	11,045	0	4,067
TOTAL T & D EXPENSE OPERATION	10 -	7,985,500	1,675,650	440,678	1,870,014	2,203,874	1,312,052	0	483,23
Super & Eng Maint TD	11	107,358	36,319	9,737	40,227	3,961	4,230	o	12,883
	11	982	38,319	9,737 89	368	3,901	39	0	12,000
Super & Eng Maint TD - Other					9,351	921	983	0	2,99
Struct & Improve Maint TD - Labor	11	24,955	8,442	2,263		-		0	∠,999 26
Struct & Improve Maint TD	11	2,219	751	201	831	82	87	Ü	26

Color Colo	Account	Factor Ref.	Cost of Service	Base	Max Day	Max Hour	Meters	Services	Billing & Collecting	Fire Service
Dist Res Stand Maint TD - Labor S 1,617 S63 S C S49 O O O O O O O O O										
TD Main Maint TD - Labor								_		, ,
TD Main Maint TD					-		_		-	
Fire Main Maint TO - Labor 7 240 0 0 0 0 0 0 230,849 0 232,600 Services Maint TO - Labor 9 254,099 0 0 0 0 0 0 230,849 0 232,600 Services Maint TO 8 252,071 0 0 0 0 249,223 0 0 0 7.76 Services Maint TO 8 252,071 0 0 0 0 249,223 0 0 0 7.76 Meters Maint TO 8 16,820 0 0 0 0 249,223 0 0 0 7.78 Meters Maint TO 7 7 307,340 0 0 0 0 0 16,836 0 0 37,340 Hydrants Maint TO 7 7 85,893 0 0 0 0 0 0 0 0 0 0 0 0 0 0 58,893 Meters Maint TO 11 1 12,56412 425,044 113,957 470,776 46,822 49,503 0 150,789 Mat and Sup Maint TO 11 1 3,160,662 1,076,013 288,466 1,191,794 117,366 125,318 0 381,679 Misc Maint TO 11 3,160,662 1,076,013 288,466 1,191,794 117,366 125,318 0 381,679 Misc Maint TO 1 11 3,160,662 1,076,013 288,466 1,191,794 117,366 125,318 0 381,679 Misc Maint TO 1 11 3,160,662 1,076,013 288,466 1,191,794 117,366 125,318 0 381,679 Misc Maint TO 1 11 3,160,662 1,076,013 288,466 1,191,794 117,366 125,318 0 381,679 Misc Maint TO 1 11 3,160,662 1,076,013 288,466 1,076,013 288,466 1,191,794 117,366 125,318 0 381,679 Misc Maint TO 1 11 3,160,662 1,076,013 288,466 1,191,794 117,366 125,318 0 381,679 Misc Maint TO 1 11 3,160,662 1,076,013 288,466 1,191,794 117,366 125,318 0 381,679 Misc Maint TO 1 11 3,160,662 1,076,013 288,466 1,191,794 117,366 125,318 0 381,679 Misc Maint TO 1 11 1,254,318 1 3,686,289 1,509,824 6,285,773 2,638,582 1,776,439 0 1,433,315 Misc Out Accts Exp CA - Labor 13 16,460 0 0 0 0 0 0 0 0 0 0 1,872,194 0 0 0 0 0 0 1,872,194 0 0 0 0 0 0 0 1,872,194 0 0 0 0 0 0 0 0 1,872,194 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		_	, ,	,		•	-	-	-	
Services Maint TD Labor 9		-					-	•	•	
Services Maint TD	,	•	- · · -	•	-	_	-	•	_	
Meter Maint TD		_		-		_	_			
Meter Maint TD	= ***	-		•	-					
Hydrants Maint TD 7		-		•	-	_		_	_	
Hydrants Maint TD 7 58.893 0 0 0 0 0 0 0 0 0 58.893 Minc Plant Maint TD 11 1.256.812 425.044 113.957 470.778 48.382 49.503 0 150.789 Mid and Sup Maint TD 11 3,180.862 1.076.018 28.8486 1.191.794 117.368 125.318 0 381.679 Milos Maint TD 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		_		•		_		_	_	
Misc Plant Maint TD 11 1 1266.412 425.044 113.957 470,778 46,362 49,503 0 150.769 Mat and Supp Maint TD 11 3.180.662 1,076.018 288.486 1191.779 4173.66 125.318 0 381.679 Misc Maint TD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•			•	=	Ü	_	-	-	
Mat and Sup Maint TD 11 3,180,682 1,076,018 288,486 1,191,794 117,366 125,318 0 381,679 Misc Maint TD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				•	•	470 770			_	
Misc Cust Accts Exp CA - Labor 12 2,552,552 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				• • • • • • • • • • • • • • • • • • • •		· · · · ·				
TOTAL T & D EXPENSE - MAINTENANCE 11,784,434 3,386,639 1,069,145 4,415,759 434,668 464,388 0 1,413,815 TOTAL T & D EXPENSE 19,769,934 5,862,289 1,509,824 6,285,773 2,638,582 1,776,439 0 1,897,047 CUSTOMER ACCOUNTS Supervision CA 12 65,405 0 0 0 0 0 0 0 53,843 1,563 Supervision CA - Other 12 1011 0 0 0 0 0 0 0 0 0 98 2 2 Meter Reading Exp CA - Labor 13 1,872,104 0 0 0 0 0 0 0 0 1,872,104 0 0 0 0 0 1,872,104 0 0 0 0 0 1,872,104 0 0 0 0 0 1,872,104 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					· ·			• • • •	-	
COTAL T & D EXPENSE 19,769,934 5,862,289 1,509,824 6,285,773 2,638,582 1,776,439 0 1,897,047 CUSTOMER ACCOUNTS Supervision CA - Other 12 65,408 0 0 0 0 0 0 83,843 1,563 Supervision CA - Other 12 101 0 0 0 0 0 10 98 2 Meter Reading Exp CA 13 16,460 0 0 0 0 0 1,872,104 0 Cust Rea & Collection CA 12 2,562,892 0 0 0 0 0 88,997 16,797 Cust Rea & Collection CA 12 2,562,892 0 0 0 0 0 2,501,336 61,246 Uncollectible Acris 12 2,423,834 0 0 0 0 0 3,342,102 81,832 Misc Cust Acris Exp CA – Labor 12 20,215 0 0 0 0 0										
CUSTOMER ACCOUNTS Supervision CA 12 65,406 0 0 0 0 0 0 0 83,843 1,563 Supervision CA - Cher 12 101 0 0 0 0 0 0 0 1,872,104 0 0 0 0 0 1,872,104 0 0 0 0 0 1,872,104 0 0 0 0 0 1,872,104 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 0 0 0 0 0 1,872,104 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TOTAL I & D EXPENSE - MAINTENAN	ICE _	11,784,434	3,986,639	1,069,145	4,415,759	434,688	464,388		1,413,815
Supervision CA	TOTAL T & D EXPENSE		19,769,934	5,662,289	1,509,824	6,285,773	2,638,562	1,776,439	0	1,897,047
Supervision CA - Other 12	CUSTOMER ACCOUNTS									
Meter Reading Exp CA - Labor 13 1,872,104 0 0 0 0 0 0 1,872,104 0 Meter Reading Exp CA 13 16,460 0 0 0 0 0 0 0 16,460 0 0 0 0 16,460 0 0 0 0 0 16,460 0 0 0 0 0 16,460 0 0 0 0 0 0 16,460 0 0 0 0 0 0 0 16,460 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Supervision CA	12	65,406	0	٥	٥	0	0	63,843	1,563
Meter Reading Exp CA 13 16,460 0 0 0 0 16,460 0 Cust Rec & Collection CA - Labor 12 702,794 0 0 0 0 0 685,997 16,797 Cust Rec & Collection CA 12 2,582,582 0 0 0 0 0 2,501,336 61,245 Uncollectible Accts 12 3,423,934 0 0 0 0 0 3,342,102 81,832 Misc Cust Accts Exp CA - Labor 12 20,215 0 0 0 0 0 19,732 483 Misc Cust Accts Exp CA 12 53,773 0 0 0 0 0 52,488 1,285 Cust Serv & Info Exp CA 12 27 0 0 0 0 0 27 1 Cust Serv & Info Exp CA 12 338 0 0 0 0 0 8,554,517 163,217 ADMINISTRATIVE AND GENERAL EXPENSES	Supervision CA - Other	12	101	0	0	0	0	0	98	2
Cust Rec & Collection CA - Labor 12 702,794 0 0 0 0 0 0 0 685,997 16,797 Cust Rec & Collection CA 12 2,562,582 0 0 0 0 0 0 0 2,501,336 61,246 Uncollection CA 12 3,423,934 0 0 0 0 0 0 0 3,342,102 81,832 Milsc Cust Accts Exp CA - Labor 12 20,215 0 0 0 0 0 0 0 0 3,342,102 81,832 Milsc Cust Accts Exp CA - Labor 12 53,773 0 0 0 0 0 0 0 0 19,732 483 Milsc Cust Accts Exp CA 12 53,773 0 0 0 0 0 0 0 0 2,2488 1,285 Cust Sery & Info Exp CA 12 27 0 0 0 0 0 0 0 27 1 1 Cust Sery & Info Exp CA - Labor 12 338 0 0 0 0 0 0 0 0 27 1 1 Cust Sery & Info Exp CA - Labor 12 338 0 0 0 0 0 0 0 0 0 329 8 8 TOTAL CUSTOMER ACCOUNTING EXPENSE 8,717,734 0 0 0 0 0 0 0 0 8,554,517 163,217 ADMINISTRATIVE AND GENERAL EXPENSES Salaries AG Other 14 1,299,471 379,186 222,989 203,627 85,505 57,567 277,177 73,420 Cher Supplies & Exp AG 14 1,888,333 551,015 324,038 295,902 124,252 83,653 402,781 106,691 Mgmt Fees-Admin 14 22,787,514 6,649,397 3,910,337 3,570,804 1,499,418 1,009,487 4,860,577 1,287,495 Mgmt Fees-Customer Service 12 4,186,133 0 0 0 0 0 0 0 4,086,084 100,049 Mgmt Fees-Elleville Lab 2 131,416 6530 0 65,708 0 0 0 0 0 4,086,084 100,049 Mgmt Fees-Elleville Lab 2 131,416 6530 0 65,708 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Meter Reading Exp CA - Labor	13	1,872,104	0	C	0	0	0	1,872,104	0
Cust Rec & Collection CA 12 2,562,582 0 0 0 0 0 0 0 2,501,336 61,248 Uncollectible Acotts 12 3,423,934 0 0 0 0 0 0 3,342,102 81,832 Misc Cust Acotts Exp CA - Labor 12 20,215 0 0 0 0 0 0 0 19,732 483 Misc Cust Acotts Exp CA 12 53,773 0 0 0 0 0 0 0 0 52,488 1,285 Cust Serv & Info Exp CA 12 27 0 0 0 0 0 0 0 0 27 1 0 Cust Serv & Info Exp CA - Labor 12 338 0 0 0 0 0 0 0 0 0 27 1 1 Cust Serv & Info Exp CA - Labor 12 338 0 0 0 0 0 0 0 0 0 329 8 1 Cust Serv & Info Exp CA - Labor 12 338 0 0 0 0 0 0 0 0 0 0 329 8 1 Cust Serv & Info Exp CA - Labor 12 338 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Meter Reading Exp CA	13	16,460	0	0	0	0	0	16,460	0
Uncollectible Accts 12 3,423,934 0 0 0 0 0 0 0 3,342,102 81,832 Misc Cust Accts Exp CA - Labor 12 20,215 0 0 0 0 0 0 0 19,732 483 Misc Cust Accts Exp CA 12 53,773 0 0 0 0 0 0 0 52,488 1,285 Cust Serv & Info Exp CA 12 27 0 0 0 0 0 0 0 52,488 1,285 Cust Serv & Info Exp CA 12 27 0 0 0 0 0 0 0 0 27 1 Cust Serv & Info Exp CA - Labor 12 338 0 0 0 0 0 0 0 0 0 329 8 8	Cust Rec & Collection CA - Labor	12	702,794	0	0	C	0	0	685,997	16,797
Misc Cust Acets Exp CA - Labor 12 20,215 0 0 0 0 0 0 19,732 483 Misc Cust Acets Exp CA 12 53,773 0 0 0 0 0 0 52,488 1,285 Cust Serv & Info Exp CA 12 27 0 0 0 0 0 0 0 27 1 Cust Serv & Info Exp CA - Labor 12 338 0 0 0 0 0 0 0 0 329 8 Exp As Info Exp CA - Labor 12 338 0 0 0 0 0 0 0 0 329 8 Exp As Info Exp CA - Labor 12 338 0 0 0 0 0 0 0 0 0 329 8 Exp As Info Exp CA - Labor 14 1,299,471 379,186 222,989 203,627 85,505 57,567 277,177 73,420 Cher Supplies & Exp AG 14 1,888,333 551,015 324,038 295,902 124,252 83,653 402,781 106,691 Mgmt Fees-Customer Service 12 4,186,133 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Cust Rec & Collection CA	12	2,562,582	0	0	0	0	0	2,501,336	61,246
Misc Cust Acets Exp CA 12 53,773 0 0 0 0 0 0 0 52,488 1,285 Cust Serv & Info Exp CA 12 27 0 0 0 0 0 0 0 27 1 1 Cust Serv & Info Exp CA - Labor 12 338 0 0 0 0 0 0 0 0 329 8 TOTAL CUSTOMER ACCOUNTING EXPENSE 8,717,734 0 0 0 0 0 0 0 8,554,517 163,217 ADMINISTRATIVE AND GENERAL EXPENSES Salaries AG Other 14 1,299,471 379,186 222,989 203,627 85,505 57,567 277,177 73,420 Cther Supplies & Exp AG 14 1,888,333 551,015 324,038 295,902 124,252 83,653 402,781 106,681 Mgmt Fees-Admin 14 1,227,875,514 6,649,397 3,910,337 3,570,804 1,499,418 1,009,487 4,860,577 1,287,495 Mgmt Fees-Customer Service 12 4,186,133 0 0 0 0 0 0 4,086,084 100,049 Mgmt Fees-Belleville Lab 2 131,416 65,300 65,708 0 0 0 0 0 4,086,084 100,049 Mgmt Fees-Employee 16 1,417,713 415,106 289,922 181,042 134,541 83,929 230,945 82,227 Cutside Services AG 14 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Uncollectible Accts	12	3,423,934	0	0	0	0	0	3,342,102	81,832
Cust Serv & Info Exp CA 12 27 0 0 0 0 0 0 0 27 1 1 Cust Serv & Info Exp CA - Labor 12 338 0 0 0 0 0 0 0 0 0 329 8 8 1 Cust Serv & Info Exp CA - Labor 12 338 0 0 0 0 0 0 0 0 0 0 329 8 8 1 COUNTING EXPENSE 8,717,734 0 0 0 0 0 0 0 0 0 8,554,517 163,217 ADMINISTRATIVE AND GENERAL EXPENSES Salaries AG 14 7,519,140 2,194,085 1,290,284 1,178,249 494,759 333,098 1,603,833 424,831 Salaries AG - Other 14 1,299,471 379,186 222,989 203,627 85,505 57,567 277,177 73,420 Cother Supplies & Exp AG 14 1,888,333 551,015 324,038 295,902 124,252 83,653 402,781 106,691 Mgmt Fees-Admin 14 22,787,514 6,649,397 3,910,337 3,570,804 14,99,418 1,009,487 4,860,577 1,287,495 Mgmt Fees-Customer Service 12 4,186,133 0 0 0 0 0 0 4,086,094 100,049 Mgmt Fees-Belleville Lab 2 131,416 65,300 65,708 0 0 0 0 4,086,094 100,049 Mgmt Fees-Employee 16 1,417,713 415,106 289,922 181,042 134,541 83,929 230,945 82,227 Outside Services AG 14 1,465,412 427,607 251,465 229,630 96,424 64,918 312,572 82,796 Outside Services AG 14 1,465,412 427,607 251,465 229,630 96,424 64,918 312,572 82,796 Outside Services AG 14 1,465,412 427,607 251,465 229,630 96,424 64,918 312,572 82,796 Outside Services AG 14 1,465,412 427,607 251,465 229,630 96,424 64,918 312,572 82,796 Outside Services AG 14 1,23,233 328,882 229,701 143,437 106,595 66,495 182,975 65,147 Ins Other Oper AG 14 64,829 134,762 79,250 72,359 30,388 20,459 98,508 26,093	Misc Cust Accts Exp CA - Labor	12	20,215	0	0	0	٥	0	19,732	483
Cust Serv & Info Exp CA - Labor 12 338 0 0 0 0 0 0 0 329 8 TOTAL CUSTOMER ACCOUNTING EXPENSE 8,717,734 0 0 0 0 0 0 0 0 8,554,517 163,217 ADMINISTRATIVE AND GENERAL EXPENSES Salaries AG 14 7,519,140 2,194,085 1,290,284 1,178,249 494,759 333,098 1,603,833 424,831 Salaries AG - Other 14 1,299,471 379,186 222,989 203,627 85,505 57,567 277,177 73,420 Other Supplies & Exp AG 14 1,888,333 551,015 324,038 295,902 124,252 83,653 402,781 106,691 Mgmt Fees-Admin 14 22,787,514 6,649,397 3,910,337 3,570,804 1,499,418 1,009,487 4,860,577 1,287,495 Mgmt Fees-Customer Service 12 4,186,133 0 0 0 0 0 0 0 0 4,086,084 100,049 Mgmt Fees-Belleville Lab 2 131,416 65,300 65,708 0 0 0 0 0 0 4,086,084 100,049 Mgmt Fees-Employee 16 1,417,713 415,106 289,922 181,042 134,541 83,929 230,945 82,227 Outside Services AG 14 1,465,412 427,607 251,465 229,630 96,424 64,918 312,572 82,796 Outside Services AG 14 0 0 0 0 0 0 0 0 0 0 0 0 0 In Sen Liab Oper AG 14 3,236,746 944,822 555,426 507,198 212,978 143,388 690,398 182,876 Ins Work Comp AG 16 1,123,233 328,882 229,701 143,437 106,595 66,495 182,975 65,147 Ins Other Oper AG 14 461,829 134,762 79,250 72,569 30,388 20,459 98,503 26,093	Misc Cust Accts Exp CA	12	53,773	0	0	0	0	O	52,488	1,285
TOTAL CUSTOMER ACCOUNTING EXPENSE 8,717,734 0 0 0 0 0 0 8,554,517 163,217 ADMINISTRATIVE AND GENERAL EXPENSES Salaries AG 14 7,519,140 2,194,085 1,290,284 1,178,249 494,759 333,098 1,603,833 424,831 Salaries AG - Other 14 1,299,471 379,186 222,989 203,627 85,505 57,567 277,177 73,420 Other Supplies & Exp AG 14 1,888,333 551,015 324,038 295,902 124,252 83,653 402,781 106,691 Mgmt Fees-Admin 14 22,787,514 6,649,397 3,910,337 3,570,804 1,499,418 1,009,487 4,860,577 1,287,495 Mgmt Fees-Customer Service 12 4,186,133 0 0 0 0 0 0 0 4,086,084 100,499 Mgmt Fees-Belleville Lab 2 131,416 65,300 65,708 0 0 0 0 0 0 407 Mgmt Fees-Employee 16 1,417,713 415,106 289,922 181,042 134,541 83,929 230,945 82,227 Outside Services AG 14 1,465,412 427,607 251,465 229,630 96,424 64,918 312,572 82,796 Outside Services AG 14 0 0 0 0 0 0 0 0 0 In Gen Liab Oper AG 14 3,236,746 944,482 555,426 507,198 212,978 143,388 690,398 182,876 Ins Other Oper AG 14 461,829 134,762 79,250 72,369 30,388 20,459 98,508 26,093	Cust Serv & Info Exp CA	12	27	0	0	O	0	0	27	1
ADMINISTRATIVE AND GENERAL EXPENSES Salaries AG 14 7,519,140 2,194,085 1,290,284 1,178,249 494,759 333,098 1,603,833 424,831 Salaries AG - Other 14 1,299,471 379,186 222,989 203,627 85,505 57,567 277,177 73,420 Other Supplies & Exp AG 14 1,888,333 551,015 324,038 295,902 124,252 83,653 402,781 106,678 Mgmt Fees-Admin 14 22,787,514 6,649,397 3,910,337 3,570,804 1,499,418 1,009,487 4,860,577 1,287,495 Mgmt Fees-Customer Service 12 4,186,133 0 0 0 0 0 0 0 4,086,084 100,049 Mgmt Fees-Belleville Lab 2 131,416 65,300 65,708 0 0 0 0 0 4,086,084 100,049 Mgmt Fees-Employee 16 1,417,713 415,106 289,922 181,042 134,541 83,929 230,945 82,227 Outside Services AG 14 1,465,412 427,607 251,465 229,630 96,424 64,918 312,572 82,796 Outside Services AG 14 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Cust Serv & Info Exp CA - Labor	12 _	338	0	0	<u>_</u>	0	0	329	8
Salaries AG 14 7,519,140 2,194,085 1,290,284 1,178,249 494,759 333,098 1,603,833 424,831 Salaries AG - Other 14 1,299,471 379,186 222,989 203,627 85,505 57,567 277,177 73,420 Other Supplies & Exp AG 14 1,888,333 551,015 324,038 295,902 124,252 83,653 402,781 106,691 Mgmt Fees-Admin 14 22,787,514 6,649,397 3,910,337 3,570,804 1,499,418 1,009,487 4,860,577 1,287,495 Mgmt Fees-Customer Service 12 4,186,133 0 0 0 0 0 4,086,084 100,049 Mgmt Fees-Belleville Lab 2 131,416 65,300 65,708 0 0 0 0 0 4,086,084 100,049 Mgmt Fees-Employee 16 1,417,713 415,106 289,922 181,042 134,541 83,929 230,945 82,227 Outside Services AG 14 0	TOTAL CUSTOMER ACCOUNTING E	XPENSE	8,717,734	0	0	0	0	0	8,554,517	163,217
Salaries AG - Other 14 1,299,471 379,186 222,989 203,627 85,505 57,567 277,177 73,420 Other Supplies & Exp AG 14 1,888,333 551,015 324,038 295,902 124,252 83,653 402,781 106,691 Mgmt Fees-Admin 14 22,787,514 6,649,397 3,910,337 3,570,804 1,499,418 1,009,487 4,860,577 1,287,495 Mgmt Fees-Customer Service 12 4,186,133 0 0 0 0 0 4,086,084 100,049 Mgmt Fees-Belleville Lab 2 131,416 65,300 65,708 0 0 0 0 0 4,086,084 100,049 Mgmt Fees-Employee 16 1,417,713 415,106 289,922 181,042 134,541 83,929 230,945 82,227 Outside Services AG 14 1,465,412 427,607 251,465 229,630 96,424 64,918 312,572 82,796 Outside Services AG 14 0	ADMINISTRATIVE AND GENERAL EX	PENSES								
Other Supplies & Exp AG 14 1,888,333 551,015 324,038 295,902 124,252 83,653 402,781 106,691 Mgmt Fees-Admin 14 22,787,514 6,649,397 3,910,337 3,570,804 1,499,418 1,009,487 4,860,577 1,287,495 Mgmt Fees-Customer Service 12 4,186,133 0 0 0 0 0 4,086,084 100,049 Mgmt Fees-Belleville Lab 2 131,416 65,300 65,708 0 0 0 0 0 4,086,084 100,049 Mgmt Fees-Employee 16 1,417,713 415,106 289,922 181,042 134,541 83,929 230,945 82,227 Outside Services AG 14 1,465,412 427,607 251,465 229,630 96,424 64,918 312,572 82,796 Outside Services AG 14 1,465,412 427,607 251,465 229,630 96,424 64,918 312,572 82,796 Outside Services AG 14 3,236,746	Salaries AG	14	7,519,140	2,194,085	1,290,284	1,178,249	494,759	333,098	1,603,833	424,831
Mgmt Fees-Admin 14 22,787,514 6,649,397 3,910,337 3,570,804 1,499,418 1,009,487 4,860,577 1,287,495 Mgmt Fees-Customer Service 12 4,186,133 0 0 0 0 0 4,086,084 100,049 Mgmt Fees-Belleville Lab 2 131,416 65,300 65,708 0 0 0 0 0 407 Mgmt Fees-Employee 16 1,417,713 415,106 289,922 181,042 134,541 83,929 230,945 82,227 Outside Services AG 14 1,465,412 427,607 251,465 229,630 96,424 64,918 312,572 82,796 Outside Services AG 14 0	Salaries AG - Other	14	1,299,471	379,186	222,989	203,627	85,505	57,567	277,177	73,420
Mgmt Fees-Customer Service 12 4,186,133 0 0 0 0 0 4,086,084 100,049 Mgmt Fees-Belleville Lab 2 131,416 65,300 65,708 0 0 0 0 407 Mgmt Fees-Employee 16 1,417.713 415,106 289,922 181,042 134,541 83,929 230,945 82,227 Outside Services AG 14 1,465,412 427,607 251,465 229,630 96,424 64,918 312,572 82,796 Outside Services AG 14 0 <	Other Supplies & Exp AG	14	1,888,333	551,015	324,038	295,902	124,252	83,653	402,781	106,691
Mgmt Fees-Belleville Lab 2 131,416 65,300 65,708 0 0 0 0 407 Mgmt Fees- Employee 16 1,417,713 415,106 289,922 181,042 134,541 83,929 230,945 82,227 Outside Services AG 14 1,465,412 427,607 251,465 229,630 96,424 64,918 312,572 82,796 Outside Services AG 14 0 182,975 0 143,437	Mgmt Fees-Admin	14	22,787,514	6,649,397	3,910,337	3,570,804	1,499,418	1,009,487	4,860,577	1,287,495
Mgmt Fees- Employee 16 1,417.713 415,106 289,922 181,042 134,541 83,929 230,945 82,227 Outside Services AG 14 1,465,412 427,607 251,465 229,630 96,424 64,918 312,572 82,796 Outside Services AG 14 0	Mgmt Fees-Customer Service	12	4,186,133	O O	0	0	0	0	4,086,084	100,049
Outside Services AG 14 1,465,412 427,607 251,465 229,630 96,424 64,918 312,572 82,796 Outside Services AG 14 0	Mgmt Fees-Belleville Lab	2	131,416	65,300	65,708	0	0	0	0	407
Outside Services AG 14 0	Mgmt Fees- Employee	16	1,417,713	415,106	289,922	181,042	134,541	83,929	230,945	82,227
Ins Gen Liab Oper AG 14 3,236,746 944,482 555,426 507,198 212,978 143,388 690,398 182,876 Ins Work Comp AG 16 1,123,233 328,882 229,701 143,437 105,595 66,495 182,975 65,147 Ins Other Oper AG 14 461,829 134,762 79,250 72,369 30,388 20,459 98,508 26,093	Outside Services AG	14	1,465,412	427,607	251,465	229,630	96,424	64,918	312,572	82,796
Ins Work Comp AG 16 1,123,233 328,882 229,701 143,437 105,595 66,495 182,975 65,147 Ins Other Oper AG 14 461,829 134,762 79,250 72,369 30,388 20,459 98,508 26,093	Outside Services AG	14	0	0	0	0	. 0	0	0	0
Ins Work Comp AG 16 1,123,233 328,882 229,701 143,437 105,595 66,495 182,975 65,147 Ins Other Oper AG 14 461,829 134,762 79,250 72,369 30,388 20,459 98,508 26,093	Ins Gen Liab Oper AG	14	3,236,746	944,482	555,426	507,198	212,978	143,388	690,398	182,876
Ins Other Oper AG 14 461,829 134,762 79,250 72,369 30,388 20,459 98,508 26,093	Ins Work Comp AG	16	1,123,233	328,882	229,701	143,437	106,595	66,495	182,975	65,147
	•	14	461,829	134,762	79,250	72,369			98,508	26,093
	•	14	,				•			,

Account Ref. Service Base Max Day Max Hour Meters Services Collecting Services Services Services Collecting Services Service	A	Factor Ref.	Cost of Service	Dage	Max Day	Max Hour	14-4	Services	Billing &	Fire
Impliries & Damages 16										
Emptoyee Pension & Benefits	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(a)	(10)
Emptoyee Pension & Benefits	Injuries & Damages	16	51.420	15.056	10.515	6.566	4 880	3.044	8.376	2.982
Reg Commision Exp Reg Commision Exp Rests AG 14 287,280 8,648 51,013 46,584 15,561 13,169 83,470 11,775 Red Codowill Adventising Exp 14 20,924 61,06 3,591 3,279 1,377 927 4,463 11,182 Mike Exp AG 14 1,752,349 51,355 30,703 27,593 115,305 77,629 373,776 89,005 Research & Development 1 4 82,715 24,136 14,194 12,981 5,443 3,864 17,643 4,073 TOTAL A & O COPENATIONS 57,331,059 15,852,855 9,589,265 79,985 53,282,009 2,509,788 117,403 31,726 Research & Development 1 4 82,715 24,136 14,194 12,981 5,443 3,864 17,7643 4,073 TOTAL A & O COPENATIONS 67,331,059 15,852,855 9,589,265 79,985 53,282,009 2,509,788 17,7643 3,125,652 Research & Development 1 4 82,275 22,22 1,601 14,92 614 413 1,990 527 Research & Part Commission				•	,			,		
Rehts AG										,
Misc Exp. AG 14	,				•			•		,
Mise Exp AG	· ····		•						· ·	
Research & Development 14 \$2,715 \$24,136 \$14,194 \$12,961 \$5,443 \$3,664 \$17,645 \$4,675 \$10,000	<u> </u>		• • • •						· ·	,
Common C										
Ceneral Plant Maint AG		'-								
Common Part Maint AG 14 674-750 196.892 115.787 105.733 44.399 23.811 143.924 38.123 TOTAL A & GEXPENSE - MAINTENANCE 584.080 199.614 117.388 107.195 45.012 30.305 145.914 38.650 TOTAL A & GEXPENSE 58.065.189 15.822.470 9.672.314 8.104.151 3.874.021 2.540.093 14.886.845 3.155.275 Total Operation & Maintenance Expenses 118.943.858 48.170.898 16.553.588 14.389.323 6.512.594 4.316.533 22.441.362 5.558.971 Total Operation & Maintenance Expenses 118.943.858 48.170.898 16.553.588 14.389.323 6.512.594 4.316.533 22.441.362 5.558.971 Total Operation & Maintenance Expenses 118.943.858 48.170.898 157.597 0 0 0 0 0 9.77 Struct & Imp SS 2 315.193 156.619 157.597 0 0 0 0 0 0 33.764 Struct & Imp WT 2 2.591.498 1.287.715 1.295.749 0 0 0 0 0 3.3764 Struct & Imp WT 2 2.591.498 1.287.715 1.295.749 0 0 0 0 0 9.244 Struct & Imp AG 14 199.740 57.992 34.104 31.143 13.077 8.004 42.391 11.295 Struct & Imp AG 41 4198.740 57.992 34.104 31.143 13.077 8.004 42.391 11.295 Struct & Imp Offices 14 143.274 41.807 24.586 22.451 9.427 6.347 30.560 8.095 Struct & Imp Store, Shop, Gar 14 83.438 24.347 43.18 13.075 5.490 3.686 17.797 4.714 Struct & Imp Bisc 14 184.156 47.901 28.189 25.723 10.801 7.727 35.014 9.275 Collect & Impunding 1 419 416 0 0 0 0 0 0 3.83 4.345 1	TO THE REAL OF ENVIRONE		51,00,1005	15,522,000	0,004,020	7,500,500	3,025,005	2,500,700	14,140,001	0,120,020
Ceneral Plant Maint AG 14 674,750 198,892 115,787 105,733 44,399 29,811 143,924 38,125 TOTALA & GEXPENSE S8,085,169 19,914 117,388 107,195 45,012 30,305 14,896,845 31,852,75 TOTAL & GEXPENSE S8,085,169 15,822,470 9,672,314 8,104,151 3,874,021 2,540,093 14,896,845 3,165,275 Total Operation & Maintenance Expenses 118,943,858 48,170,898 16,553,588 14,389,323 6,512,584 4,316,533 23,441,362 5,559,971 DEPRECIATION EXPENSE Struct & Imp SS 2 315,193 156,619 157,597 0 0 0 0 0 0 33,764 Struct & Imp BS 2 2,591,498 1,287,715 1,285,749 0 0 0 0 0 33,764 Struct & Imp WT 2 2,591,498 1,287,715 1,285,749 0 0 0 0 0 33,764 Struct & Imp DT 6 123,917 48,266 12,949 53,458 0 0 0 0 9,244 Struct & Imp AG 14 149,274 41,807 24,586 22,451 9,427 6,347 30,560 8,095 Struct & Imp DMIces 14 143,274 41,807 24,586 22,451 9,427 6,347 30,560 8,095 Struct & Imp DMIces 14 35,438 24,347 14,318 13,077 8,944 23,311 12,93 Struct & Imp Bisc 14 35,438 24,347 14,318 13,077 8,944 23,311 12,93 Struct & Imp Bisc 14 143,274 14,807 24,586 22,451 9,427 6,347 30,560 8,095 Struct & Imp Bisc 14 143,274 14,807 24,586 22,451 9,427 6,347 30,560 8,095 Struct & Imp Bisc 14 143,274 14,807 24,586 22,519 9,427 6,347 30,560 8,095 Struct & Imp Bisc 14 143,274 14,807 24,586 22,519 9,427 6,347 30,560 8,095 Struct & Imp Bisc 14 143,274 14,807 24,586 22,519 9,427 6,347 30,560 8,095 Struct & Imp Bisc 14 143,274 14,807 24,586 22,519 9,427 6,347 30,560 8,095 Struct & Imp Bisc 14 143,274 14,807 24,586 22,519 9,427 6,347 30,560 8,095 Struct & Imp Bisc 14 143,274 14,807 24,586 22,519 9,427 6,347 30,560 8,095 Struct & Imp Bisc 14 143,274 14,807	General Plant Maint AG	14	9,329	2,722	1.601	1.462	614	413	1,990	527
TOTAL A & G EXPENSE - MAINTENANCE	General Plant Maint AG	14	674.750	196,892	115,787	105,733	44,399	29,891	143,924	38.123
TOTAL A & G EXPENSE		- · · · · -								
DEPRECIATION EXPENSE		-			,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				30,000
DEPRECIATION EXPENSE Struct & Imp SS 2 315,193 156,519 157,597 0 0 0 0 0 0 377 Struct & Imp P 3 729,241 346,681 348,796 0 0 0 0 0 0 33,764 Struct & Imp WT 2 2,591,498 1,287,715 1,295,749 0 0 0 0 0 0 3,074 Struct & Imp TD 6 123,917 48,266 12,949 53,458 0 0 0 0 9,244 Struct & Imp TD 6 123,917 48,266 12,949 53,458 0 0 0 0 9,244 Struct & Imp TD 6 123,917 48,266 12,949 53,458 0 0 0 0 9,244 Struct & Imp Golfices 14 143,274 41,807 24,586 22,451 9,427 6,347 30,550 8,095 Gen Structures HVAC 14 28,841 8,416 4,949 4,519 1,898 1,278 6,152 1,630 Struct & Imp Store, Shop,Gar 14 83,438 24,347 14,318 13,075 5,490 3,696 17,797 4,714 Struct & Imp Store, Shop,Gar 14 164,156 47,901 28,169 25,723 10,801 7,272 35,014 9,275 Collect & Impounding 1 419 416 0 0 0 0 0 0 883 Struct & Impounding 1 419 416 0 0 0 0 0 0 883 Supply Mains 2 234,773 141,504 142,387 0 0 0 0 0 0 648 Infiltration Galleries & Tunnels 2 32 16 16 0 0 0 0 0 0 0 Supply Mains 2 323,057 160,527 161,529 0 0 0 0 0 0 0 0 Power Generation Equip 3 33,856 44,619 44,891 0 0 0 0 0 0 0 0 Pump Equip Diesel 3 45,108 21,444 21,575 0 0 0 0 0 0 0 2,089 Pump Equip Diesel 3 45,108 21,444 21,575 0 0 0 0 0 0 0 351 Pump Equip Diesel 3 10,548 5,015 5,045 0 0 0 0 0 0 4,88 Pump Equip Diesel 3 10,548 5,015 5,045 0 0 0 0 0 0 0 0 0 Pump Equip Diesel 3 4,547 4,553 4,553 4,553 0 0 0 0 0 0 0 0 0	TOTAL A & G EXPENSE		58,065,169	15,822,470	9,672,314	8,104,151	3,874,021	2,540,093	14,886,845	3,165,275
DEPRECIATION EXPENSE Struct & Imp SS 2 315,193 156,519 157,597 0 0 0 0 0 0 377 Struct & Imp P 3 729,241 346,681 348,796 0 0 0 0 0 0 33,764 Struct & Imp WT 2 2,591,498 1,287,715 1,295,749 0 0 0 0 0 0 3,074 Struct & Imp TD 6 123,917 48,266 12,949 53,458 0 0 0 0 9,244 Struct & Imp TD 6 123,917 48,266 12,949 53,458 0 0 0 0 9,244 Struct & Imp TD 6 123,917 48,266 12,949 53,458 0 0 0 0 9,244 Struct & Imp Golfices 14 143,274 41,807 24,586 22,451 9,427 6,347 30,550 8,095 Gen Structures HVAC 14 28,841 8,416 4,949 4,519 1,898 1,278 6,152 1,630 Struct & Imp Store, Shop,Gar 14 83,438 24,347 14,318 13,075 5,490 3,696 17,797 4,714 Struct & Imp Store, Shop,Gar 14 164,156 47,901 28,169 25,723 10,801 7,272 35,014 9,275 Collect & Impounding 1 419 416 0 0 0 0 0 0 883 Struct & Impounding 1 419 416 0 0 0 0 0 0 883 Supply Mains 2 234,773 141,504 142,387 0 0 0 0 0 0 648 Infiltration Galleries & Tunnels 2 32 16 16 0 0 0 0 0 0 0 Supply Mains 2 323,057 160,527 161,529 0 0 0 0 0 0 0 0 Power Generation Equip 3 33,856 44,619 44,891 0 0 0 0 0 0 0 0 Pump Equip Diesel 3 45,108 21,444 21,575 0 0 0 0 0 0 0 2,089 Pump Equip Diesel 3 45,108 21,444 21,575 0 0 0 0 0 0 0 351 Pump Equip Diesel 3 10,548 5,015 5,045 0 0 0 0 0 0 4,88 Pump Equip Diesel 3 10,548 5,015 5,045 0 0 0 0 0 0 0 0 0 Pump Equip Diesel 3 4,547 4,553 4,553 4,553 0 0 0 0 0 0 0 0 0								***		
DEPRECIATION EXPENSE Struct & Imp SS 2 315,193 156,519 157,597 0 0 0 0 0 0 977 Struct & Imp P 3 729,241 346,681 348,796 0 0 0 0 0 0 33,764 Struct & Imp WT 2 2,591,488 1,287,715 1,295,749 0 0 0 0 0 8,034 Struct & Imp TD 6 123,917 48,266 12,949 53,458 0 0 0 0 9,244 Struct & Imp TD 6 123,917 48,266 12,949 53,458 0 0 0 0 9,244 Struct & Imp TD 6 123,917 48,266 12,949 53,458 0 0 0 0 9,244 Struct & Imp Golfices 14 143,274 41,807 24,586 22,451 9,427 6,347 30,550 8,095 Gen Structures HVAC 14 28,841 8,416 4,949 4,519 1,898 1,278 6,152 1,530 Struct & Imp Store, Shop,Gar 14 83,438 24,347 14,318 13,075 5,490 3,696 17,797 4,714 Struct & Imp Store, Shop,Gar 14 184,155 47,901 28,169 25,723 10,801 7,272 35,014 9,275 Collect & Impounding 1 419 416 0 0 0 0 0 0 883 Infiltration Galleries & Tunnels 2 249,773 141,504 142,387 0 0 0 0 0 0 883 Infiltration Galleries & Tunnels 2 32,215 160,527 161,529 0 0 0 0 0 0 0 Power Generation Equip 3 38,856 44,619 44,891 0 0 0 0 0 0 0 Power Generation Equip 3 38,556 44,619 44,891 0 0 0 0 0 0 0 0 Pump Equip Steam 3 202 96 97 0 0 0 0 0 0 0 0 Pump Equip Diesel 3 45,108 21,444 21,575 0 0 0 0 0 0 0 0 0	Total Operation & Maintenance Expenses		118 9/3 858	49 170 898	16 553 599	14 380 023	6 512 584	4 316 533	22 441 362	5 559 071
Struct & Imp SP 2 315,193 156,619 157,597 0 0 0 0 977 Struct & Imp PP 3 729,241 346,681 348,796 0 0 0 0 3,764 Struct & Imp WT 2 2,591,498 1,287,715 1,295,749 0 0 0 0 0 8,034 Struct & Imp TD 6 123,917 48,266 12,949 53,458 0 0 0 0 9,244 Struct & Imp AG 14 198,740 57,992 34,104 31,143 13,077 8,804 42,391 11,229 Struct & Imp Offices 14 143,274 41,807 24,586 22,451 9,427 6,347 30,560 8,095 Gen Structures HVAC 14 28,841 8,416 4,949 4,519 1,898 1,278 6,152 1,630 Struct & Imp DRICK 14 83,438 24,347 14,318 13,075 5,490 3,696 17,797 </td <td>Total Operation a Manitemanico Expense.</td> <td>•</td> <td>110,343,000</td> <td>40,170,000</td> <td>10,555,555</td> <td>14,003,323</td> <td>0,312,304</td> <td>7,510,555</td> <td>23,441,502</td> <td>3,330,371</td>	Total Operation a Manitemanico Expense.	•	110,343,000	40,170,000	10,555,555	14,003,323	0,312,304	7,510,555	23,441,502	3,330,371
Struct & Imp SP 2 315,193 156,619 157,597 0 0 0 0 977 Struct & Imp PP 3 729,241 346,681 348,796 0 0 0 0 3,764 Struct & Imp WT 2 2,591,498 1,287,715 1,295,749 0 0 0 0 0 8,034 Struct & Imp TD 6 123,917 48,266 12,949 53,458 0 0 0 0 9,244 Struct & Imp AG 14 198,740 57,992 34,104 31,143 13,077 8,804 42,391 11,229 Struct & Imp Offices 14 143,274 41,807 24,586 22,451 9,427 6,347 30,560 8,095 Gen Structures HVAC 14 28,841 8,416 4,949 4,519 1,898 1,278 6,152 1,630 Struct & Imp DRICK 14 83,438 24,347 14,318 13,075 5,490 3,696 17,797 </th <th></th>										
Struct & Imp SP 2 315,193 156,619 157,597 0 0 0 0 977 Struct & Imp PP 3 729,241 346,681 348,796 0 0 0 0 3,764 Struct & Imp WT 2 2,591,498 1,287,715 1,295,749 0 0 0 0 0 8,034 Struct & Imp TD 6 123,917 48,266 12,949 53,458 0 0 0 0 9,244 Struct & Imp AG 14 198,740 57,992 34,104 31,143 13,077 8,804 42,391 11,229 Struct & Imp Offices 14 143,274 41,807 24,586 22,451 9,427 6,347 30,560 8,095 Gen Structures HVAC 14 28,841 8,416 4,949 4,519 1,898 1,278 6,152 1,630 Struct & Imp DRICK 14 83,438 24,347 14,318 13,075 5,490 3,696 17,797 </td <td></td>										
Struct & Imp P 3 729,241 346,681 348,796 0 0 0 0 33,764 Struct & Imp WT 2 2,591,498 1,287,715 1,295,749 0 0 0 0 8,034 Struct & Imp TD 6 123,917 48,266 12,949 53,458 0 0 0 9,244 Struct & Imp AG 14 198,740 57,992 34,104 31,143 13,077 8,804 42,391 11,229 Struct & Imp Offices 14 143,274 41,807 24,586 22,451 9,427 6,347 30,560 8,095 Gen Structures HVAC 14 522 152 90 82 34 23 111 29 Struct & Imp Botre, Shop,Gar 14 83,438 24,347 14,318 13,075 5,490 3,698 17,797 4,714 Struct & Imp Blose, Shop,Gar 14 164,156 47,901 28,169 25,723 10,801 7,272 35,014 9		_				_	_	_	_	
Struct & Imp WT 2 2,591,498 1,287,715 1,295,749 0 0 0 0 0 8,034 Struct & Imp AG 14 198,740 57,992 34,104 31,143 13,077 8,804 42,391 11,222 Struct & Imp Offices 14 143,274 41,807 24,586 22,451 9,427 6,347 30,560 8,095 Gen Structures HVAC 14 28,841 8,416 4,949 4,519 1,898 1,278 6,152 1,650 Struct & Imp Leasehold 14 28,841 8,416 4,949 4,519 1,898 1,278 6,152 1,650 Struct & Imp Bosc 14 83,438 24,347 14,318 13,075 5,490 3,696 17,797 4,714 Struct & Imp Misc 14 164,156 47,901 28,169 25,723 10,801 7,272 35,014 9,275 Collect & Impounding 1 419 416 0 0 0 0			•					-		
Struct & Imp TD 6 123,917 48,266 12,949 53,458 0 0 0 9,244 Struct & Imp AG 14 198,740 57,992 34,104 31,143 13,077 8,804 42,391 11,229 Gen Structures In WAC 14 143,274 41,807 24,586 22,451 9,427 6,347 30,560 8,095 Gen Structures HVAC 14 28,841 8,416 4,949 4,519 1,898 1,278 6,152 1,630 Struct & Imp Leasehold 14 522 152 90 82 34 23 111 29 Struct & Imp Botre, Shop,Gar 14 33,438 24,347 14,318 13,075 5,490 3,696 17,797 4,714 Struct & Imp Store, Shop,Gar 14 164,156 47,901 28,169 25,723 10,801 7,272 35,014 9,275 Collect & Imp Londing 1 419 416 0 0 0 0 0	•			•	•			-		• • •
Struct & Imp AG 14 199,740 57,992 34,104 31,143 13,077 8,804 42,391 11,229 Struct & Imp Offices 14 143,274 41,807 24,586 22,451 9,427 6,347 30,560 8,095 Gen Struct & Imp Leasehold 14 28,841 8,416 4,949 4,519 1,898 1,278 6,152 1,630 Struct & Imp Leasehold 14 522 152 90 82 34 23 111 29 Struct & Imp Store, Shop, Gar 14 83,438 24,947 14,318 13,075 5,490 3,696 17,797 4,714 Struct & Imp Disc 14 164,156 47,901 28,169 25,723 10,801 7,272 35,014 9,275 Collect & Impounding 1 419 416 0 0 0 0 0 0 3,5014 9,275 0 0 0 0 0 863 14,744 14,1504 14,1808	•		, ,		• •	-		_	_	
Struct & Imp Offices 14 143,274 41,807 24,586 22,451 9,427 6,347 30,560 8,095 Gen Structures HVAC 14 28,841 8,416 4,949 4,519 1,898 1,278 6,152 1,630 Struct & Imp Leasehold 14 522 152 90 82 34 23 111 29 Struct & Imp Store, Shop, Gar 14 83,438 24,347 14,318 13,075 5,490 3,696 17,797 4,714 Struct & Imp Misc 14 164,156 47,901 28,169 25,723 10,801 7,272 35,014 9,275 Collect & Impounding 1 419 416 0	•	_	,	,		,	-	-	_	- 1
Gen Structures HVAC						,		,		
Struct & Imp Leasehold 14 522 152 90 82 34 23 111 29 Struct & Imp Store, Shop, Gar 14 83,438 24,347 14,318 13,075 5,490 3,696 17,797 4,714 Struct & Imp Misc 14 164,156 47,901 28,169 25,723 10,801 7,272 35,014 9,275 Collect & Impounding 1 419 416 0<			,					,		
Struct & Imp Store, Shop, Gar 14 83,438 24,347 14,318 13,075 5,490 3,696 17,797 4,714 Struct & Imp Mise 14 164,156 47,901 28,169 25,723 10,801 7,272 35,014 9,275 Collect & Impounding 1 419 416 0 883 Wells & Springs 2 290,002 103,853 104,501 0			,							
Struct & Imp Misc 14 164,156 47,901 28,169 25,723 10,801 7,272 35,014 9,275 Collect & Impounding 1 419 416 0 0 0 0 0 0 3 Lake, River & Other Intakes 2 284,773 141,504 142,387 0 0 0 0 0 883 Wells & Springs 2 209,002 103,853 104,501 0 <td></td>										
Collect & Impounding 1 419 416 0 0 0 0 0 0 3 Lake, River & Other Intakes 2 284,773 141,504 142,387 0 0 0 0 0 883 Wells & Springs 2 209,002 103,853 104,501 0 0 0 0 0 648 Wells & Springs 2 209,002 103,853 104,501 0 0 0 0 0 648 Infiltration Galleries & Tunnels 2 323,057 160,527 161,529 0			•						•	
Lake, River & Other Intakes 2 284,773 141,504 142,387 0 0 0 0 883 Wells & Springs 2 209,002 103,853 104,501 0 0 0 0 0 648 Infiltration Galleries & Tunnels 2 32 16 16 0 0 0 0 0 0 Supply Mains 2 323,057 160,527 161,529 0 0 0 0 0 1,001 Power Generation Equip 3 93,856 44,619 44,891 0 0 0 0 0 4,346 Pump Equip Steam 3 202 96 97 0 0 0 0 9 Pump Equip Electric 3 1,170,670 556,537 559,931 0 0 0 0 54,202 Pump Equip Diesel 3 45,108 21,444 21,575 0 0 0 0 0 351 <			•	•						9,275
Wells & Springs 2 209,002 103,853 104,501 0 0 0 0 648 Infiltration Galleries & Tunnels 2 32 16 16 0 0 0 0 0 0 Supply Mains 2 323,057 160,527 161,529 0 0 0 0 0 0 1,001 Power Generation Equip 3 93,856 44,619 44,891 0 0 0 0 0 4,346 Pump Equip Steam 3 202 96 97 0 0 0 0 0 9 Pump Equip Electric 3 1,170,670 556,537 559,931 0 0 0 0 54,202 Pump Equip Diesel 3 45,108 21,444 21,575 0 0 0 0 2,089 Pump Equip Other 3 10,548 5,015 5,045 0 0 0 0 488					0	_	-	0	0	3
Infiltration Galleries & Tunnels 2 32 16 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Lake, River & Other Intakes		284,773	141,504	142,387	٥	0	0	0	883
Supply Mains 2 323,057 160,527 161,529 0 0 0 0 0 1,001 Power Generation Equip 3 93,856 44,619 44,891 0 0 0 0 4,346 Pump Equip Steam 3 202 96 97 0 0 0 0 9 Pump Equip Electric 3 1,170,670 556,537 559,931 0 0 0 0 54,202 Pump Equip Diesel 3 45,108 21,444 21,575 0 0 0 0 2,089 Pump Equip Hydraulic 3 7,589 3,608 3,630 0 0 0 0 351 Pump Equip Other 3 10,548 5,015 5,045 0 0 0 0 488 Pump Equip WT 2 38,458 19,110 19,229 0 0 0 0 149 Pump Equip TD 6 56	Wells & Springs	2	209,002	103,853	104,501	0	0	0	0	648
Power Generation Equip 3 93,856 44,619 44,891 0 0 0 0 4,346 Pump Equip Steam 3 202 96 97 0 0 0 0 9 Pump Equip Electric 3 1,170,670 556,537 559,931 0 0 0 0 0 54,202 Pump Equip Diesel 3 45,108 21,444 21,575 0 0 0 0 2,089 Pump Equip Hydraulic 3 7,589 3,608 3,630 0 0 0 0 0 351 Pump Equip Other 3 10,548 5,015 5,045 0 0 0 0 488 Pump Equip WT 2 38,458 19,110 19,229 0 0 0 0 149 Pump Equip TD 6 56 22 6 24 0 0 0 9,103 WT Equip Filter Media 2 2,936,5	Infiltration Galleries & Tunnels	2	32	16	16		0	0	0	0
Pump Equip Steam 3 202 96 97 0 0 0 0 0 9 Pump Equip Electric 3 1,170,670 556,537 559,931 0 0 0 0 54,202 Pump Equip Diesel 3 45,108 21,444 21,575 0 0 0 0 2,089 Pump Equip Hydraulic 3 7,589 3,608 3,630 0 0 0 0 351 Pump Equip Other 3 10,548 5,015 5,045 0 0 0 0 488 Pump Equip WT 2 38,458 19,110 19,229 0 0 0 0 119 Pump Equip TD 6 56 22 6 24 0 0 0 9,103 WT Equip Non-Media 2 2,936,556 1,459,175 1,468,278 0 0 0 0 9,103 WT Equip Filter Media 2 90,467 <	Supply Mains	2	323,057	160,527	161,529	O	0	0	0	1,001
Pump Equip Electric 3 1,170,670 556,537 559,931 0 0 0 0 54,202 Pump Equip Diesel 3 45,108 21,444 21,575 0 0 0 0 0 2,089 Pump Equip Hydraulic 3 7,589 3,608 3,630 0 0 0 0 0 351 Pump Equip Other 3 10,548 5,015 5,045 0 0 0 0 488 Pump Equip WT 2 38,458 19,110 19,229 0 0 0 0 119 Pump Equip TD 6 56 22 6 24 0 0 0 4 WT Equip Non-Media 2 2,936,556 1,459,175 1,468,278 0 0 0 0 9,103 WT Equip Filter Media 2 90,467 44,953 45,234 0 0 0 0 0 280	Power Generation Equip	3	93,856	44,619	44,891	0	0	0	0	4,346
Pump Equip Diesel 3 45,108 21,444 21,575 0 0 0 0 0 2,089 Pump Equip Hydraulic 3 7,589 3,608 3,630 0 0 0 0 0 351 Pump Equip Other 3 10,548 5,015 5,045 0 0 0 0 488 Pump Equip WT 2 38,458 19,110 19,229 0 0 0 0 119 Pump Equip TD 6 56 22 6 24 0 0 0 4 WT Equip Non-Media 2 2,936,556 1,459,175 1,468,278 0 0 0 0 9,103 WT Equip Filter Media 2 90,467 44,953 45,234 0 0 0 0 280	Pump Equip Steam	3	202	96	97	0	O	0	0	9
Pump Equip Hydraulic 3 7,589 3,608 3,630 0 0 0 0 0 351 Pump Equip Other 3 10,548 5,015 5,045 0 0 0 0 488 Pump Equip WT 2 38,458 19,110 19,229 0 0 0 0 119 Pump Equip TD 6 56 22 6 24 0 0 0 0 4 WT Equip Non-Media 2 2,936,556 1,459,175 1,468,278 0 0 0 0 9,103 WT Equip Filter Media 2 90,467 44,953 45,234 0 0 0 0 280	Pump Equip Electric	3	1,170,670	556,537	559,931	0	. 0	0	0	54,202
Pump Equip Other 3 10,548 5,015 5,045 0 0 0 0 488 Pump Equip WT 2 38,458 19,110 19,229 0 0 0 0 0 119 Pump Equip TD 6 56 22 6 24 0 0 0 4 WT Equip Non-Media 2 2,936,556 1,459,175 1,468,278 0 0 0 0 9,103 WT Equip Filter Media 2 90,467 44,953 45,234 0 0 0 0 280	Pump Equip Diesel	3	45,108	21,444	21,575	0	0	0	0	2,089
Pump Equip WT 2 38,458 19,110 19,229 0 0 0 0 0 119 Pump Equip TD 6 56 22 6 24 0 0 0 0 4 WT Equip Non-Media 2 2,936,556 1,459,175 1,468,278 0 0 0 0 0 9,103 WT Equip Filter Media 2 90,467 44,953 45,234 0 0 0 0 0 280	Pump Equip Hydraulic		7,589	3,608	3,630	-	•	0	0	351
Pump Equip TD 6 56 22 6 24 0 0 0 4 WT Equip Non-Media 2 2,936,556 1,459,175 1,468,278 0 0 0 0 0 9,103 WT Equip Filter Media 2 90,467 44,953 45,234 0 0 0 0 280	Pump Equip Other	3	10,548	5,015	5,045	0	0	0	0	488
WT Equip Non-Media 2 2,936,556 1,459,175 1,468,278 0 0 0 0 0 9,103 WT Equip Filter Media 2 90,467 44,953 45,234 0 0 0 0 0 280	Pump Equip WT	2	38,458	19,110	19,229	0	0	0	٥	119
WT Equip Filter Media 2 90,467 44,953 45,234 0 0 0 0 280	Pump Equip TD	6	56	22	6	24	0	0	0	4
WT Equip Filter Media 2 90,467 44,953 45,234 0 0 0 0 280	WT Equip Non-Media	2	2,936,556	1,459,175	1,468,278	0	0	0	0	9,103
Dist Reservoirs & Standpipe 5 242,259 84,258 0 127,138 0 0 0 30,864	WT Equip Filter Media	2	90,467	44,953	45,234	0	0	0	0	280
	Dist Reservoirs & Standpipe	5	242,259	84,258	0	127,138	0	0	0	30,864

	Factor	Cost of	_					Billing &	Fire
Account	Ref.	Service	Base	Max Day	Max Hour	Meters	Services	Collecting	Service
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Elevated Tanks & Standpipes	5	154,248	53,647	0	80,949	. 0	0	0	19,651
Ground Level Facilities	5	170,197	59,195	O	89,319	0	0	0	21,683
Below Ground Facilities	5	782	272	0	410	0	0	0	100
Clearwells	5	2,741	953	C	1,438	0	0	0	349
TD Mains Not Classified by	6	1,453,613	566,182	151,903	627,089	0	0	0	108,440
TD Mains 4 & Less "	4	243,099	88,828	0	134,191	0	0	0	20,080
TD Mains 6 to 8" "	4	6,914,502	2,526,559	0	3,816,805	0	0	0	571,138
TD Mains 10 to 16" "	3	5,383,999	2,559,553	2,575,167	0	0	0	0	249,279
TD Mains 18 & Grtr "	3	458,834	218,130	219,460	0	0	0	0	21,244
Fire Mains	7	9,231	. 0	0	0	0	0	0	9,231
Services	9	1,145,083	0	0	0	0	1,040,308	0	104,775
Meters Bronze Case	8	499.891	0	0	0	494,442	0	0	5,449
Meters Plastic Case	8	42,887	0	0	0	42,420	O	0	467
Meters Other	8	1,853,663	0	0	ō	1,833,458	C	0	20,205
Meters Other-Rem Rdr Unts	8	113,041	0	Ô	ō	111,809	Ō	Ö	1,232
Meter Installations	8	473,818	ō	Ď	ñ	468,653	ō	ō	5,165
Meter Installation Other	8	273,879	ō	ŏ	Ď	270,894	ō	0	2,985
Meter Vaults	8	28,402	0	ō	ō	28,092	Ô	Ď	310
Hydrants	7	1,393,626	0	ō	ō	0	ā	Ď	1,393,626
Other P/E Intangible	17	144	51	29	33	11	3	3	13
Other P/E SS	2	86	43	43	n	'n	ō	ň	o .
Other P/E WT Res Hand Equip	2	49,059	24,377	24.530	Ô	Ô	ñ	ň	152
Other P/E TD	6	1,115	434	117	481	ō	ů	ñ	83
Other P/E CPS	14	56,112	16,373	9,629	8.793	3,692	2,486	11,969	3,170
Office Furniture & Equip	14	55,448	16,180	9,515	8,689	3,648	2,456	11,827	3,133
Comp & Periph Equip	14	2.081,852	607,484	357,246	326,226	136,986	92,226	444,059	117,625
Computer Software	14	712,330	207,858	122,236	111,622	46,871	31,556	151,940	40,247
Comp Software Mainframe	14	3,038,081	886,512	521,335	476,067	199,906	134,587	648,023	171,652
Comp Software Mainframe - CIS	12	1,553,940	0	027,000	0	0	0	1,516,801	37,139
Comp Software Customized	14	5,587	1,630	959	875	. 368	248	1,192	316
Comp Software Other	14	4,108	1,199	705	644	270	182	876	232
Data Handling Equipment	14	20,164	5.884	3,460	3.160	1,327	893	4,301	1,139
Other Office Equipment	14	21,005	6,129	3,604	3,291	1,382	931	4,480	1,187
Trans Equip Lt Duty Trks	14	350,320	102,223	60,115	54,895	23,051	15,519	74,723	19,793
Trans Equip Other	14	217,957	63,600	37,401	34,154	14,342	9,655	46,490	12,315
Stores Equipment	14	68,100	19,872	11,686	10,671	4,481	3,017	14,526	3,848
Tools,Shop,Garage Equip	14	335,560	97,916	57,582	52,582	22,080	14,865	71,575	18,959
Tools,Shop,Garage Equip	14	94,576	27,597	16,229	52,562 14,820	5,223	4,190	20,173	5,344
Laboratory Equipment	2	115,196	57,241	57,598	14,820	ರ,ಒಒು	4, 190 D	20,173	3,344
	2		3,623	· ·	G G	0	0	0	23
Laboratory Equip Other	Z	7,291	3,523	3,646	Ü	U	U	U	23

	Factor	Cost of						Billing &	Fire
Account	Ref.	Service	Base	Max Day	Max Hour	Meters	Services	Collecting	Service
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Power Operated Equipment	14	54,833	16,000	9,409	8,592	3,608	2,429	11,696	3,098
Comm Equip Non-Telephone	14	180,052	52,539	30,897	28,214	11,847	7,976	38,405	10,173
Remote Control & Instr	14	166,885	48,697	28,637	26,151	10,981	7,393	35,597	9,429
Comm Equip Telephone	14	6,914	2,018	1,186	1,083	455	306	1,475	391
Misc Equipment	14	237,445	69,286	40,746	37,208	15,624	10,519	50,647	13,416
Other Tangible Property	17	5,126	1,827	1,043	1,186	400	103	106	460
Total Depreciation Expense		39,886,694	13,074,964	8,853,766	6,237,253	3,798,050	1,409,269	3,292,910	3,220,482
Amort-Other UP	18	159,410	57,499	32,089	36,601	12,306	3,204	3,507	14,203
Amort-Intangible Fin	2	211,021	104,856	105,511	Ċ.	0	0	0	654
Amort-Property Losses	2	158,730	78,873	79,365	O	. 0	0	0	492
Taxes Other Than Income									
Utility Reg Assessment Fee	19	2,389,133	892,341	429,566	419,771	168,912	68,807	240,586	169,151
Property Taxes	18	13,166,307	4,749,087	2.650,378	3.022.984	1.016.439	264,643	289,659	1.173,118
FUTA	16	2,172,511	636,111	444,278	277,430	206,171	128,613	353,902	126,006
Other Taxes & Licenses	14	104,240	30,417	17,888	16,334	6,859	4,618	22,234	5,890
Gross Receipts Tax	19	0	0	. 0	0	0	0	0	0
Total Taxes, Other Than Income		17,832,191	6,307,957	3,542,110	3,736,519	1,398,381	466,680	906,381	1,474,164
Income Taxes	18	37,876,834	13,662,174	7,624,607	8,696,521	2,924,092	761,324	833,290	3,374,826
Utility Income Available for Return	18	86,805,185	31,310,630	17,473,884	19,930,470	6,701,360	1,744,784	1,909,714	7,734,342
Total Cost of Service		301,715,193	112,688,978	54,185,554	53,027,287	21,346,773	8,701,795	30,387,164	21,377,642
Less: Other Water Revenues	19	3,895,282	1,454,888	700,372	684,401	275,396	112,184	392,255	275,786
Contract Sales	19	3,783,643	1,413,191	680,299	664,786	267,504	108,969	381,013	267,882
Total Other Water Revenues		7,678,925	2,868,079	1,380,671	1,349,187	542,900	221,153	773,268	543,668
Total Cost of Service Related to									
Sales of Water		\$ 294,036,268	\$ 109,820,899	\$ 52,804,883	\$ 51,678,100	\$ 20,803,873	\$ 8,480,642	\$ 29,613,896	\$ 20,833,975
Reallocation of Public Fire	20	0	0	0	0	16,770,089	0	0	(16,770,089)
Total		\$ 294,036,268	\$ 109,820,899	\$ 52,804,883	\$ 51,678,100	\$ 37,573,962	\$ 8,480,642	\$ 29,613,896	\$ 4,063,886

Schedule No. PRH- 3 Page 1 of 3

MISSOURI AMERICAN WATER WATER DISTRICT 1 CALCULATION OF THE 5/8-INCH CUSTOMER COSTS PER MONTH INCLUDING THE UNRECOVERED PUBLIC FIRE COSTS

Cost Function	 Cost of Service		mber of Units	 it Cost Month	-	nit Cost Quarter
Meters	\$ 15,855,456	482,940	5/8 Equivalents	\$ 2.74	\$	8.22
Services	6,532,208	442,158	3/4 Equvalents	1.23		3.69
Billing/Collecting	 23,163,822	1,899,653	Bills	 12.19		12.19
Subtotal	45,551,486			16.16		24.10
Unrecovered Public Fire	 14,569,152	482,940	5/8 Equivalents	2.51		7.53
Total	\$ 60,120,638			\$ 18.67	\$	31.63

Schedule No. PRH-3 Page 2 of 3

MISSOURI AMERICAN WATER WATER DISTRICT 2 CALCULATION OF THE 5/8-INCH CUSTOMER COSTS PER MONTH INCLUDING THE UNRECOVERED PUBLIC FIRE COSTS

Cost Function	Cost of Service	Number of Units	Unit Cost Per Month	
Meters	\$ 2,036,450	44,789 5/8 Equivalents	\$ 3.79	
Services	1,001,261	44,878 3/4 Equvalents	1.86	
Billing/Collecting	2,890,663	455,028 Bills	6.35	
Subtotal	5,928,373		12.00	
Unrecovered Public Fire	2,293,705	44,789 5/8 Equivalents	4.27	
Total	\$ 8,222,078		\$ 16.27	

Schedule No. PRH-3 Page 3 of 3

MISSOURI AMERICAN WATER WATER DISTRICT 3 CALCULATION OF THE 5/8-INCH CUSTOMER COSTS PER MONTH INCLUDING THE UNRECOVERED PUBLIC FIRE COSTS

Cost Function	Cost of Service	Number of Units	Unit Cost Per Month	
Meters	\$ 2,188,765	38,079 5/8 Equivalents	\$ 4.79	
Services	1,159,426	40,720 3/4 Equvalents	2.37	
Billing/Collecting	2,708,773	370,596 Bills	7.31	
Subtotal	6,056,964		14.47	
Unrecovered Public Fire	1,125,258	38,079 5/8 Equivalents	2.46	
Total	\$ 7,182,222		\$ 16.93	

MISSOURI-AMERICAN WATER COMPANY WATER DISTRICT 1

	Cost of Ser	vice			Revenues, Propose	d Rates	Proposed Incr	eas <u>e</u>
Customer	Amount	-	Revenues, Prese		Consolidated P			Percent
Classification	(Schedule B)	Percent	Amount	Percent	Amount	Percent	Amount	Increase
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Residential	\$ 178,583,124	76.0%					\$ -	
Commercial	38,656,467	16.4%					-	
Industrial	153,826	0.1%			6		-	
Public Authority	2,482,398	1.1%					-	
Total - Rate A	219,875,814	93.6%	176,606,441	92.5%	221,548,501	92.9%	44,942,060	25.4%
Sales for Resale	3,206,856	1.4%	3,406,774	1.8%	3,943,082	1.7%	536,308	15.7%
Rate J - Large Users	8,626,931	3.7%	8,034,292	4.2%	9,792,836	4.1%	1,758,544	21.9%
Private Fire Service	3,418,421	1.5%	2,779,294	1.5%	3,108,008	1.3%	328,715	11.8%
Public Fire Service		0.0%	pri pri	0.0%		0.0%		0.0%
Total Sales	235,128,023	100.2%	190,826,800	100.0%	238,392,427	100.0%	47,565,626	24.9%
Other Revenues	6,496,727		6,496,727		6,496,727			0.0%
Total	\$ 241,624,749		\$ 197,323,527		\$ 244,889,154		\$ 47,565,626	24.1%

MISSOURI-AMERICAN WATER COMPANY WATER DISTRICT 2

					Revenues, Propos		Proposed In	
Customer	Cost of Ser		Revenues, Pres		Consolidated			Percent
<u>Classification</u>	<u>Amount</u>	Percent	Amount	Percent	Amount	Percent	Amount	_Increase_
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Residential	\$ 18,418,893	58.0%	\$ 15,720,232	54.2%	\$ 16,625,414	58.6%	\$ 905,182	5.8%
Commercial	4,495,832	14.1%	4,602,126	15.9%	4,695,300	16.5%	93,174	2.0%
Industrial	826,034	2.6%	713,692	2.5%	1,035,956	3.6%	322,264	45.2%
Public Authority	565,937	1.8%	684,356	2.4%	713,970	2.5%	29,614	4.3%
Total - Rate A	24,306,696	76.5%	21,720,407	75.0%	23,070,640	81.2%	1,350,233	6.2%
Sales for Resale	2,781,419	8.7%	2,584,879	8.9%	2,128,935	7.5%	(455,944)	-17.6%
Rate J - Large Users	4,209,492	13.2%	4,179,928	14.4%	2,809,172	9.9%	(1,370,756)	-32.8%
Private Fire Service	516,684	1.6%	541,489	1.9%	408,660	1.4%	(132,829)	-24.5%
Public Fire Service		0.0%		0.0%		0.0%		-
Total Sales	31,814,290	100.0%	29,026,702	100.2%	28,417,407	100.0%	(609,296)	-2.1%
Other Revenues*	\$ 746,977		\$ 739,966		\$ 746,977		7,011	0.9%
Total	\$ 32,561,267		\$ 29,766,668		\$ 29,164,383		\$ (602,285)	-2.0%

^{*} Includes Contract Sales

^{**} Includes the revised cost of service for St, Joseph per data request OPC 5042.

MISSOURI-AMERICAN WATER COMPANY WATER DISTRICT 3

•	Cost of Ser	rvice	D		Revenues, Propos		Proposed Inc	
Customer Classification	Amount (Schedule B)	Percent	Revenues, Pres Amount	ent Rates Percent	Consolidated I Amount	Percent	Amount	Percent Increase
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Residential	\$ 12,640,445	51.4%	\$ 12,155,479	53.3%	\$ 12,437,733	51.6%	\$ 282,254	2.3%
Commercial	4,186,540	17.0%	4,240,888	18.6%	4,650,171	19.3%	409,283	9.7%
Industrial	1,801,012	7.3%	1,096,062	4.8%	2,270,978	9.4%	1,174,916	107.2%
Public Authority	705,757	2.9%	729,855	3.2%	850,691	3.5%_	120,836	16.6%
Total Rate A	19,333,754	78.6%	18,222,283	79.9%	20,209,573	83.8%	1,987,290	10.9%
Sales for Resale - Rate B	1,216,227	4.9%	932,208	4.1%	853,528	3.5%	(78,680)	-8.4%
Rate J - Large Users	3,475,837	14.1%	2,633,636	11.6%	2,250,845	9.3%	(382,791)	-14.5%
Private Fire Service	583,467	2.4%	960,769	4,2%	768,281	3.2%	(192,488)	-20.0%
Public Fire Service	_	0.0%	*	0.0%		0.0%	*	-
Total Sales	24,609,284	100.0%	22,748,897	99.8%	24,082,228	99.8%	1,333,331	5.9%
Other Revenues	\$ 349,560		\$ 265,146		\$ 265,146			0.0%
Total	\$ 24,958,844		\$ 23,014,043		\$ 24,347,374		\$ 1,333,331	5.8%

Schedule No. PRH-5 Page 1 of 1

MISSOURI-AMERICAN WATER COMPANY ST. LOUIS METRO DISTRICT

REVISED FACTOR FOR POWER ALLOCATION

	Cost of Se	rvice			Revenues, Propo	sed Rates	Proposed In	crease
Customer	Amount		Revenues, Pres	ent Rates	Consolidated	Pricing		Percent
Classification	(Schedule B)	Percent	Amount	Percent	Amount	Percent	Amount	Increase
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Rate A - Res/Com/Ind/OPA	\$ 209,128,428	94.3%	\$ 166,637,144	93.4%	\$ 210,254,974	93.6%	\$ 43,617,830	26.2%
Rate B - Sales for Resale	2,697,869	1.2%	2,892,461	1.6%	3,420,355	1.5%	527,894	18.3%
Rate J - Manufacturing	6,976,136	3.1%	6,571,486	3.7%	8,419,384	3.7%	1,847,898	28.1%
Rate F - Private Fire	3,095,284	1.4%	2,312,409	1.3%	2,796,173	1.2%	483,764	20.9%
Rate E - Public Fire	_	0.0%	-	0.0%		0.0%		0.0%
Total Sales	221,897,717	100.0%	178,413,499	100.0%	224,890,886	100.0%	46,477,387	26.1%
Other Revenues*	6,350,401		6,350,400		\$6,350,401		0.33	0.0%
Total	\$ 228,248,118		\$ 184,763,899		\$ 231,241,287		\$ 46,477,388	25.2%

^{*} Includes Rate G and H Contract Sales.

^{**} Includes revenue for Public Fire.

MISSOURI AMERICAN WATER COMPANY SUMMARY OF AVERAGE ANNUAL RESIDENTIAL COST OF SERVICE BY DISTRICT

	Residential Cost of Service	Residential Customers	Cost per Residential Customer
Zone 1			
St. Louis Metro	\$171,271,008	355,437	\$ 481.86
Joplin	9,931,121	20,653	480.86
St. Joseph	12,055,110	28,813	418.39
Warrensburg	2,709,324	6,613	409.70
Maplewood/Riverside/Stonebridge/ Saddlebrooke/Emerald Pointe Water	772,347	1,702	453.72
Tri-States	1,351,806	2,925	462.13
Zone 2			
Mexico	2,479,962	4,288	\$ 433.76
Platt County	5,502,950	5,335	1,031.48
Jefferson City	4,832,155	9,019	535.78
Zone 3			
Brunswick	309,286	330	\$ 702.92
Spring Valley / Lake Manor	88,241	134	659.33
Ozark Mountain / LTA	248,370	499	497.32
Rankin Acres / Whitebranch	92,954	222	418.87

MISSOURI AMERICAN WATER COMPANY SUMMARY OF AVERAGE ANNUAL RESIDENTIAL COST OF SERVICE BY DISTRICT

	Residential	Residential	Cost per Residential
Water District 1	Cost of Service	Customers	Customer
St. Louis Metro	\$171,271,008	355,437	\$ 481.86
			·
Mexico	2,479,962	4,288	\$ 433.76
Jefferson City	4,832,155	9,019	535.78
Water District 2			
St. Joseph	12,055,110	28,813	418.39
Platt County	5,502,950	5,335	1,031.48
Brunswick	309,286	330	\$ 702.92
Water District 3			
Joplin	9,931,121	20,653	480.86
Warrensburg	2,709,324	6,613	409.70
Maplewood/Riverside/Stonebridge/ Saddlebrooke/Emerald Pointe Wat	er 772,347	1,702	453.72
Tri-States	1,351,806	2,925	462.13
Spring Valley / Lake Manor	88,241	134	659.33
Ozark Mountain / LTA	248,370	499	497.32
Rankin Acres / Whitebranch	92,954	222	418.87

MISSOURI-AMERICAN WATER COMPANY ST. LOUIS METRO DISTRICT

COMPARISON OF COST OF SERVICE WITH REVENUES UNDER PRESENT AND PROPOSED RATES FOR THE TEST YEAR ENDED DECEMBER 31, 2014 REVISED TO REALLOCATE RATE A CLASS TO RESIDENTIAL, COMMERCIAL AND OPA CLASSIFICATIONS

0.1	Cost of Service		D . D . D .		Revenues, Proposed Rates		Proposed Increase	
Customer Classification	Amount (Schedule B)	Percent	Revenues, Pres Amount	Percent	Consolidated Amount	Pricing Percent	Amount	Percent Increase
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Residential	\$171,271,008	77.1%		0.0%		0.0%	\$ -	
Commercial	36,131,238	16.3%		0.0%		0.0%	-	
Industrial	-	0.0%		0.0%		0.0%	-	
Public Authority	1,488,994	0.7%		0.0%		0.0%	_	
Total Rate A	208,891,240	94.1%	166,637,144	93.4%	210,254,974	93.6%	43,617,830	26.2%
Sales for Resale - Rate B	2,785,418	1.3%	2,892,461	1.6%	3,420,355	1.5%	527,894	18.3%
Rate J - Large Users	7,124,927	3.2%	6,571,486	3.7%	8,419,384	3.7%	1,847,898	28.1%
Private Fire Service	3,096,131	1.4%	2,312,409	1.3%	2,796,173	1.2%	483,764	20.9%
Public Fire Service	*	0.0%		0.0%	-	0.0%) Mag	-
Total Sales	221,897,717	100.0%	178,413,499	100.0%	224,890,886	100.0%	46,477,387	26.1%
Other Revenues	\$ 6,350,401		\$ 6,350,401		\$ 6,350,401			0.0%
Total	\$228,248,118		\$184,763,901		\$ 231,241,287		\$ 46,477,387	25.2%