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~~BEFORE THE ARIZONA CORPORATION COMMISSION~~

1 FENNEMORE CRAIG  
 A Professional Corporation  
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 Jay L. Shapiro (No. 014650)  
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 6 Water Company

10 IN THE MATTER OF THE  
 APPLICATION OF ARIZONA-  
 11 AMERICAN WATER COMPANY,  
 AN ARIZONA CORPORATION, FOR  
 12 A DETERMINATION OF THE  
 CURRENT FAIR VALUE OF ITS  
 13 UTILITY PLANT AND PROPERTY  
 AND FOR INCREASES IN ITS  
 14 RATES AND CHARGES BASED  
 THEREON FOR UTILITY SERVICE  
 15 BY ITS MOHAVE WATER AND  
 HAVASU WATER DISTRICTS.

Docket No. W-01303A-02-0869

**ARIZONA-AMERICAN WATER  
 COMPANY'S NOTICE OF FILING  
 SUPPLEMENTS TO DIRECT  
 TESTIMONY AND RELATED  
 SCHEDULES**

17 Arizona-American Water Company ("the Company") hereby files Supplements to  
 18 the Direct Testimony of David P. Stephenson, Ronald L. Kozoman and Thomas Bourassa  
 19 in the above-entitled matter. Attached to this supplemental testimony are certain revised  
 20 schedules, which are explained in the testimony.

21 This supplemental testimony and related schedules are filed for the purpose of  
 22 addressing the items identified in a letter dated December 23, 2002, by John S. Thornton,  
 23 Jr. on behalf of the Utilities Division ("Staff"), and accompanying "List of Items Causing  
 24 the Filing to be Insufficient." Since the Company's Application was filed on November  
 25 22, 2002, the Company's consultants have worked closely with Staff in order to answer  
 26 questions and provide additional information that would assist Staff with its review of the

1 sufficiency of the Application pursuant to A.A.C. R14-2-103(B)(7). Although certain of  
2 the items were, in fact, erroneously identified, the Company's paramount goal is to  
3 cooperate with Staff and avoid disputes over Staff's review, which is narrow and limited  
4 to verifying whether the Company's Application contains the schedules and other data  
5 specified in R14-2-103 for Class A water and sewer utilities. This supplemental testimony  
6 and accompanying schedules should eliminate any questions or concerns identified by  
7 Staff, and allow the Application to proceed without further delay.

8 DATED this \_\_\_\_\_ day of January, 2003.

9 FENNEMORE CRAIG

10

11

By \_\_\_\_\_  
Norman D. James  
Jay L. Shapiro  
Attorneys for Arizona-American Water  
Company

12

13

14 ORIGINAL and 13 copies  
15 of the foregoing were  
delivered this \_\_\_\_\_ day  
of January, 2003, to:

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Arizona Corporation Commission  
1200 W. Washington St.  
Phoenix, AZ 85007

17

18

19 COPY of the foregoing was  
delivered this \_\_\_\_\_ day of  
January, 2003 to:

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24

25

26

1 John S. Thornton, Jr.  
2 Chief, Accounting & Rates  
3 Utilities Division  
4 Arizona Corporation Commission  
5 1200 W. Washington St.  
6 Phoenix, AZ 85007

7 By \_\_\_\_\_

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5  
6  
7 **BEFORE THE ARIZONA CORPORATION COMMISSION**

8 IN THE MATTER OF THE  
9 APPLICATION OF ARIZONA-  
AMERICAN WATER COMPANY, AN DOCKET NO. W-01303A-02-0869  
10 ARIZONA CORPORATION, FOR A  
11 DETERMINATION OF THE  
CURRENT FAIR VALUE OF ITS  
12 UTILITY PLANT AND PROPERTY  
AND FOR INCREASES IN ITS RATES  
13 AND CHARGES BASED THEREON  
FOR UTILITY SERVICE BY ITS  
14 MOHAVE WATER DISTRICT AND  
ITS HAVASU WATER DISTRICT

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18 **SUPPLEMENT TO DIRECT TESTIMONY OF**  
19 **DAVID P. STEPHENSON**  
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I. INTRODUCTION..... 1  
II. CAUSE OF INSUFFICIENCY: MOHAVE WATER DISTRICT(NO. 7)  
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1 **I. INTRODUCTION**

2 **Q. WHAT IS THE PURPOSE OF THIS SUPPLEMENT TO YOUR DIRECT**  
3 **TESTIMONY?**

4 A. The purpose of this supplemental testimony is to respond to Staff's List of Items  
5 Causing the Filing to be Insufficient dated December 23, 2002 ("Staff  
6 Insufficiency Finding"). In addition, the Company is concurrently filing  
7 supplements to the direct testimony of Thomas Bourassa and Ronald L. Kozoman  
8 in response to the Staff Insufficiency Finding.

9 **Q. HOW WILL YOUR SUPPLEMENTAL TESTIMONY BE ORGANIZED?**

10 A. In this testimony, I address Staff's expressed concerns over the application for the  
11 Mohave water and Havasu water districts. Specifically, I address Staff's  
12 conclusion that Arizona-American's rate filings are insufficient because the  
13 Company's D Schedules did not present dollar values. The remaining items listed  
14 as causes of the insufficiency determination are addressed by Mr. Bourassa and  
15 Mr. Kozoman in the supplements to their direct testimony filed concurrently  
16 herewith.

17 **II. CAUSE OF INSUFFICIENCY: MOHAVE WATER DISTRICT(NO. 7) AND**  
18 **HAVASU WATER DISTRICT (NO. 7)**

19 **Q. IN THE STAFF INSUFFICIENCY FINDING, STAFF INDICATES THAT**  
20 **THE D SCHEDULES DO NOT HAVE DOLLAR VALUES. DO YOU**  
21 **HAVE ANY COMMENT?**

22 A. Yes, Staff correctly notes that the D-1 and D-2 Schedules lack "dollar values," but  
23 the Company is not aware that the Commission's rules require that dollar amounts  
24 be included in the D Schedules. The D-1 and D-2 Schedules show the percentages  
25 of debt and equity and their respective cost, including their weighted costs. These  
26 schedules provide support for the weighted cost of capital. I also do not believe it

1 is Staff's practice to include dollar value in its cost of capital schedules.

2 **Q. HOW DOES THE COMPANY RESPOND TO STAFF'S FINDING**  
3 **CONCERNING THE D SCHEDULES?**

4 A. Although Arizona-American disagrees that this is a basis for an insufficiency  
5 finding, we have revised the D-1 and D-2 Schedules for the Mohave water and  
6 Havasu water districts to reflect the amounts of debt and equity in its capital  
7 structure. These schedules are attached hereto at Tab A.

8 **Q. PLEASE YOU EXPLAIN THE DOLLAR VALUES YOU PROVIDED.**

9 A. The amounts shown on the D-1 and D-2 Schedules reflect the debt and equity of  
10 the former Citizens properties of Arizona-American as a whole, rather than on a  
11 district-by-district basis. Because Arizona-American is an Arizona corporation  
12 and raises capital (debt and equity) on a company-wide basis, it is necessary to  
13 identify its capital structure on a company-wide basis. The debt and equity for the  
14 acquisition of the Citizens properties can easily be identified, at this time, and  
15 therefore we have done so for this filing. None of the different rate structures  
16 established during Citizens' ownership, have individual capital structures, nor can  
17 any of the Company's individual districts borrow funds or separately maintain  
18 capital accounts. Consequently, Arizona-American is requesting that its capital  
19 structure for the acquisition of the former Citizens property be used in  
20 determining the cost of capital for each district.

21 **Q. DO ANY OF THESE REVISIONS TO THE D SCHEDULES EFFECT THE**  
22 **COMPANY'S COST OF CAPITAL ANALYSIS OR THE AMOUNT**  
23 **SHOWN ON SCHEDULE A-1?**

24 A. No.

25 **Q. DOES THAT CONCLUDE THE SUPPLEMENT TO YOUR DIRECT**  
26 **TESTIMONY?**

1 A. Yes.

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A

**Arizona American**  
 Test Year Ended December 31, 2001  
 Summary of Cost of Capital

Exhibit  
 Schedule D-1  
 Page 1  
 Witness: Stephenson

Line No.	Item of Capital	<u>End of Test Year</u>			<u>End of Projected Year</u>		
		Dollar Amount	Percent of Total	Cost Rate (a)	Dollar Amount	Percent of Total	Cost Rate (a)
1	Long-Term Debt	165,583,119	59.89%		177,583,119	60.00%	
2							
3	Stockholder's Equity	110,888,158	40.11%	11.50%	118,888,158	40.00%	11.50%
4							
5	Totals	<u>276,471,277</u>	<u>100.00%</u>		<u>296,471,277</u>	<u>100.00%</u>	
6							
7	(a) See D-2						
8	(b) Used on A-1						
9							
10	<u>SUPPORTING SCHEDULES:</u>						
11	D-1						
12	D-3						
13	D-4						
14	E-1						
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Weighted Cost 3.04%      Weighted Cost 4.61%      Weighted Cost 3.15%  
 Cost Rate (a) 11.50%      Cost Rate (a) 11.50%      Cost Rate (a) 11.50%  
 Weighted Cost 7.65%      Weighted Cost 7.75% (b)



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7 **BEFORE THE ARIZONA CORPORATION COMMISSION**

8 IN THE MATTER OF THE  
9 APPLICATION OF ARIZONA-  
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10 DETERMINATION OF THE  
11 CURRENT FAIR VALUE OF ITS  
UTILITY PLANT AND PROPERTY  
12 AND FOR INCREASES IN ITS  
RATES AND CHARGES BASED  
13 THEREON FOR UTILITY SERVICE  
BY ITS MOHAVE WATER DISTRICT  
14 AND ITS HAVASU WATER  
DISTRICT

DOCKET NO. W-01303A-02-0869

18 **SUPPLEMENT TO DIRECT TESTIMONY OF**  
19 **THOMAS J. BOURASSA, CPA**

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1 **I. INTRODUCTION**

2 **Q. WHAT IS THE PURPOSE OF THIS SUPPLEMENT TO YOUR DIRECT**  
3 **TESTIMONY?**

4 A. The purpose of this supplemental testimony is to respond to Staff's List of Items  
5 Causing the Filing to be Insufficient dated December 23, 2002 ("Staff  
6 Insufficiency Finding"). In addition, the Company is concurrently filing  
7 supplements to the direct testimony of David P. Stephenson and Ronald L.  
8 Kozoman in response to the Staff Insufficiency Finding.

9 **Q. HOW WILL YOUR SUPPLEMENTAL TESTIMONY BE ORGANIZED?**

10 A. In this testimony, I address Staff's expressed concerns over the application for the  
11 Mohave water district and the Havasu water district. Specifically, Staff claims to  
12 have found nine reasons that the filing for the Mohave water district is not  
13 sufficient and eight reasons that the filing for the Havasu water district is not  
14 sufficient. I address several of those findings. My responses are identified  
15 consistent with the numbering in the Staff Insufficiency Finding. Those items in  
16 the Staff Insufficiency Finding that are not covered in my supplemental testimony  
17 are addressed by either Mr. Stephenson or Mr. Kozoman.

18 **Q. HAVE YOU MADE ANY CHANGES AS A RESULT OF STAFF'S**  
19 **FINDINGS?**

20 A. Yes. Revised Schedules B-2, B-3, and A-4 are attached hereto at Tab A. I wish to  
21 point out, however, that none of the changes affect the plant in service, rate base,  
22 and none materially affect the revenue requirement in this case. Due to  
23 corrections to the bill count by Mr. Kozoman, the revenue requirements changed  
24 by approximately \$15 for Havasu water and approximately \$131 for Mohave  
25 water. These corrections are addressed by Mr. Kozoman in his testimony attached  
26 hereto. Revised schedules A-1, A-2, A-3, A-5, C-1, C-2, page 1, C-2, page 7,

1 and C-2, page 12 are attached hereto at Tab A.

2 **II. CAUSE OF INSUFFICIENCY: MOHAVE WATER NO. 2 AND HAVASU**  
3 **WATER NO. 2**

4 **Q. MR. BOURASSA, STAFF CLAIMS THAT THE PLANT IN SERVICE ON**  
5 **SCHEDULE B-2, PAGE 1 AND PAGE 2 DO NOT TIE TO THE**  
6 **SCHEDULES B-2, PAGE 5 AND E-1, PAGE 1. DO YOU AGREE?**

7 A. No, I do not agree. A thorough examination of all the B-2 schedules provided in  
8 the original filing clearly demonstrates that the amounts do properly tie together.

9 **Q. WOULD YOU PLEASE EXPLAIN HOW THE PLANT AMOUNT ON THE**  
10 **SCHEDULE E-1 TIES TO THE SCHEDULE B-2, PAGE 1 AND PAGE 2?**

11 A. The plant in service amount shown on E-1 has been adjusted to reflect the amount  
12 shown on the B-2, page 1 and page 2 as follows:

- 13 1. Plant in service at 12/31/2001 (E-1) **less**
- 14 2. Plant adjustments (although there are none for the Mohave or  
15 Havasu water districts) from prior rate case (B-2, page 2) **less**
- 16 3. General Plant (as shown B-2, page 5) pooled to Maricopa Common  
17 Plant **plus**
- 18 4. Common plant allocation (as shown on B-2, page 2) **equals**
- 19 5. Plant in service (as shown on B-2, page 1 and 2).

20 **Q. AND THIS IS ILLUSTRATED IN THE B-2 SCHEDULES?**

21 A. Yes. Schedule B-2, page 2, illustrates the common plant allocation. There is no  
22 specific general plant on this schedule. Instead, the general plant has been replaced  
23 by allocated common plant. The support for the common plant allocation appears  
24 on Schedules B-2, page 3.

25 Schedule B-2, page 5 shows the general plant balance prior to the common  
26 plant allocation. Adding the plant adjustments to the plant balance on Schedule B-

1 2, page 5 results in a match with the balance shown on Schedule E-1.

2 Schedule B-2, pages 6a through 6c show the plant additions and balances  
3 by year since the last rate case. This schedule also shows the prior rate case plant  
4 adjustments as well as the general plant before the common plant allocation.  
5 Again, the total of the column labeled "2001 Plant Balance" on Schedule B-2,  
6 page 6d, for Mohave water, and Schedule B-2, page 6c, for Havasu water, plus the  
7 plant adjustments results in an amount equal to that shown on the respective  
8 schedules.

9 **Q. WHAT IS THE BASIS FOR THE COMMON PLANT ALLOCATION**  
10 **ADJUSTMENT?**

11 A. The common plant allocation adjustment was made to equitably allocate plant that  
12 is shared with other districts. For example, office furniture and equipment,  
13 software, communications equipment, buildings are all shared. All of the general  
14 plant for the Mohave and Havasu districts was combined and reallocated based on  
15 year-end customer counts. This is consistent with the allocation method used in  
16 the prior rate cases for the Maricopa systems (Agua Fria, Sun City and Sun City  
17 West).

18 **Q. DID YOU DISCUSS THIS MATTER WITH STAFF REPRESENTATIVES**  
19 **BEFORE THE STAFF INSUFFICIENCY FINDING WAS ISSUED?**

20 A. Yes. I discussed concerns raised over both the B-2 and E-1 schedules with Staff  
21 on two separate occasions. Unfortunately, it appears my explanations were not  
22 considered in Staff's review.

23 **III. CAUSE OF INSUFFICIENCY: MOHAVE WATER NO. 3 AND HAVASU**  
24 **WATER NO. 3**

25 **Q. MR. BOURASSA, STAFF NEXT CLAIMS THAT THE ACCUMULATED**  
26 **DEPRECIATION ON SCHEDULE B-2, PAGE 1 AND PAGE 2 DO NOT**

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**TIE TO THE SCHEDULES B-2, PAGE 5 AND E-1, PAGE 1. DO YOU AGREE?**

A. No, for the same reasons explained above for the plant balances.

**Q. PLEASE EXPLAIN.**

A. The accumulated depreciation amount shown on E-1 has been adjusted to reflect the amount shown on the B-2, page 1 and page 2 as follows:

1. Accumulated depreciation at 12/31/2001 (E-1) **less**
2. Accumulated depreciation on General Plant (as shown B-2, page 5) pooled to Maricopa Common Plant accumulated depreciation **plus**
3. Common plant accumulated depreciation allocation (as shown on B-2, page 2) **equals**
4. Accumulated depreciation (as shown on B-2, page 1 and 2).

**Q. HOW IS THIS ILLUSTRATED IN THE B-2 SCHEDULES?**

A. Schedule B-2, page 2, illustrates both the common plant allocation and accumulated depreciation. There is no specific general plant accumulated depreciation on this schedule. Instead, the general plant accumulated depreciation has been replaced by allocated common plant accumulated depreciation. The support for the common plant allocation appears on Schedules B-2, page 3.

Schedule B-2, page 5 shows the general plant accumulated depreciation balance prior to the common plant allocation. Adding back in the plant accumulated depreciation adjustments to the accumulated depreciation balance on Schedule B-2, page 5 results in a match with the balance shown on Schedule E-1.

**Q. HAVE YOU PROVIDED A SCHEDULE RECONCILING THE PLANT BALANCE ON E-1 TO THE PLANT BALANCE ON B-2, PAGE 1?**

A. Yes. I have prepared a supplementary plant reconciliation schedule attached hereto at Tab A. This schedule follows the formula outlined above.

1 **Q. AND YOU EXPLAINED THIS TO STAFF'S AUDITORS?**

2 A. Yes. As I stated earlier in my testimony, I met with Staff representatives on two  
3 separate occasions. While the accumulated depreciation balance issue was not  
4 specifically addressed, my explanations on the plant balances should have allowed  
5 Staff to verify the accumulated depreciation balances since they follow exactly the  
6 explanations given for the plant balances.

7 **IV. CAUSE OF INSUFFICIENCY: MOHAVE WATER NO. 4 AND HAVASU**  
8 **WATER NO. 4**

9 **Q. STAFF ALSO CONTENDS THAT THE INTENDED ADJUSTMENTS TO**  
10 **ADVANCES IN AID OF CONSTRUCTION AND CONTRIBUTIONS IN**  
11 **AID OF CONSTRUCTION ON LINES 13-17 OF SCHEDULE B-2, PAGE 1**  
12 **AND SCHEDULE B-3, PAGE 1 ARE NOT CLEARLY SHOWN. IS THIS**  
13 **TRUE?**

14 A. No, it is not true. As explained in my direct testimony, Adjustments 4 and 5 are  
15 clearly labeled on the specific B schedules Staff identifies. Each Schedule  
16 contains a footnote referencing the nature of the adjustments. Nevertheless, to  
17 assist Staff in reviewing the filing, attached at Tab A are new B-2, page 1 and B-3,  
18 page 1 Schedules with relabeled adjustments 4a, 4b, 5a, and 5b, as well as  
19 relabeled footnote references.

20 **V. CAUSE OF INSUFFICIENCY: MOHAVE WATER NO. 5 AND HAVASU**  
21 **WATER NO. 5**

22 **Q. HAVE YOU REVISED SCHEDULES B-2, PAGE 3 AND 4 TO BE**  
23 **CONSISTENT WITH SCHEDULE B-2 PAGE 2?**

24 A. Yes. Schedule B-2, page 4 contained a typographical error. It shows "Maricopa  
25 Common Plant" rather than the "Mohave Common Plant". Schedule B-2, page 3  
26 and Schedule B-4, page 2 are also mislabeled and should read "Mohave Common

1 Plant.” The revised B-2 schedules are attached hereto at Tab A.

2 **VI. CAUSE OF INSUFFICIENCY: MOHAVE WATER NO. 6 AND HAVASU**  
3 **WATER NO. 6**

4 **Q. STAFF ALSO FOUND THE FILINGS FOR THE MOHAVE AND HAVASU**  
5 **WATER DISTRICTS INSUFFICIENT BECAUSE THERE WAS NO**  
6 **DOLLAR VALUE ENTRY ON SCHEDULE C-2, PAGE 14. WHAT IS THE**  
7 **APPROPRIATE DOLLAR VALUE?**

8 A. The intended amount of the local water testing adjustment is zero dollars (\$0.00).

9 **VII. CAUSE OF INSUFFICIENCY: MOHAVE WATER NO. 8 AND HAVASU**  
10 **WATER NO. 8**

11 **Q. STAFF ALSO CONTENDS THAT THE PLANT BALANCE ON**  
12 **SCHEDULE E-5, PAGE 1 DO NOT TIE TO THE TOTAL PLANT ON**  
13 **SCHEDULE B-2 PAGES 1 AND 2. DO YOU HAVE ANY COMMENT?**

14 A. I agree that at first glance the numbers are not the same. However, as I explained  
15 above, and as explained to Staff during my informal discussions before the Staff  
16 Insufficiency Finding was issued, the plant balance has been adjusted. In the  
17 instant case, the adjustments were for common plant.

18 **Q. HOW DOES THE PLANT AMOUNT ON SCHEDULE E-5 TIE TO THE**  
19 **PLANT AMOUNT ON SCHEDULE B-2, PAGE 1 AND PAGE 2?**

20 A. The plant in service balance as of December 31, 2001 shown on Schedule E-5 is  
21 the same as shown on Schedule E-1 for the Mohave water district. The same is  
22 true for the Havasu water district. The explanation for the amount on Schedule E-  
23 5 follows exactly as described above for the amount on Schedule E-1.

24 **Q. HAVE YOU MADE ANY OTHER CHANGES NOT RESULTING FROM A**  
25 **CITED CAUSE FOR DEFICIENCY?**

26 A. Yes. I have prepared a revised Schedule B-4, page 2 showing the corrected label –

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“Maricopa Common Plant” changed to “Mohave Common Plant.”

**Q. DOES THAT CONCLUDE THE SUPPLEMENT YOUR DIRECT TESTIMONY?**

**A.** Yes. I want to reiterate that none of the changes made to the Company’s filing in response to Staff’s Insufficiency Finding impact the plant in service, rate base, and/or the revenue requirement requested by Arizona-American in this docket.

A

**Arizona American - Mohave Water**  
 Test Year Ended December 31, 2001  
 Computation of Increase in Gross Revenue  
 Requirements As Adjusted

Exhibit  
 Schedule A-1  
 Page 1  
 Witness: Bourassa  
**REVISED**

Line No.					
1	Fair Value Rate Base				\$ 15,212,896
2					
3	Adjusted Operating Income				796,170
4					
5	Current Rate of Return				5.23%
6					
7	Required Operating Income				\$ 1,178,929
8					
9	Required Rate of Return on Fair Value Rate base				7.75%
10					
11	Operating Income Deficiency				\$ 382,760
12					
13	Gross Revenue Conversion Factor				1.6286
14					
15	Increase in Gross Revenue				
16	Requirement				\$ 623,376
17					
18	Customer	Present	Proposed	Dollar	Percent
19	<u>Classification</u>	<u>Rates</u>	<u>Rates</u>	<u>Increase</u>	<u>Increase</u>
20	Residential 5/8 Inch	\$ 2,648,370	\$ 3,009,277	\$ 360,907	13.63%
21	Residential 1 Inch	15,626	17,752	2,127	13.61%
22	Residential 1.5 Inch	-	-	-	0.00%
23	Residential 2 Inch	14,500	16,470	1,970	13.58%
24		0	0	0	0
25	Residential Muti-family 5/8 Inch	94,231	107,111	12,880	13.67%
26	Residential Muti-family 1 Inch	44,888	51,020	6,132	13.66%
27	Residential Muti-family 1.5 Inch	16,223	18,449	2,226	13.72%
28	Residential Muti-family 2 Inch	248,296	282,265	33,969	13.68%
29	Residential Muti-family 4 Inch	17,645	20,057	2,412	13.67%
30	Residential Muti-family 6 Inch	162,922	185,235	22,313	13.70%
31		0	0	0	0
32	Rio Water Residential 5/8 Inch	80,529	91,595	11,067	13.74%
33	Rio Water Residential 1 Inch	26	30	4	13.74%
34	Rio Water Residential 2 Inch	74	84	10	13.74%
35		0	0	0	0
36	Commercial 5/8 Inch	125,418	142,462	17,044	13.59%
37	Commercial 1 Inch	90,568	102,877	12,309	13.59%
38	Commercial 1.5 Inch	28,828	32,737	3,909	13.56%
39	Commercial 2 Inch	355,657	403,887	48,230	13.56%
40	Commercial 3 Inch	51,990	59,047	7,057	13.57%

**Arizona American - Mohave Water**  
 Test Year Ended December 31, 2001  
 Computation of Increase in Gross Revenue  
 Requirements As Adjusted

Exhibit  
 Schedule A-1  
 Page 2  
 Witness: Bourassa  
**REVISED**

Line No.		Present Rates	Proposed Rates	Dollar Increase	Percent Increase
1					
2	Commercial Multi-Unit 5/8 Inch	16,427	18,669	2,242	13.65%
3	Commercial Multi-Unit 1 Inch	3,014	3,427	413	13.70%
4	Commercial Multi-Unit 1.5 Inch	2,619	2,974	355	13.56%
5	Commercial Multi-Unit 2 Inch	9,383	10,660	1,277	13.61%
6		-	-	-	0.00%
7	Public Authority 58 Inch	4,450	5,058	608	13.67%
8	Public Authority 1 Inch	5,109	5,803	694	13.59%
9	Public Authority 1.5 Inch	3,877	4,405	528	13.62%
10	Public Authority 2 Inch	61,130	69,429	8,299	13.58%
11	Public Authority 3 Inch	15,446	17,535	2,089	13.53%
12	Public Authority 4 Inch	19,712	22,379	2,667	13.53%
13	Public Authority 6 Inch	33,295	37,801	4,506	13.53%
14		-	-	-	0.00%
15	Private Fire 2 Inch	264	300	36	13.67%
16	Private Fire 4 Inch	4,554	5,184	630	13.83%
17	Private Fire 6 Inch	1,539	1,751	212	13.78%
18	Private Fire 8 Inch	588	669	81	13.83%
19	Private Fire 10 Inch	180	205	25	13.80%
20	Private Fire Hydrant	14,489	16,480	1,991	13.74%
21	Miscellaneous Revenues	108,705	108,705	-	0.00%
22	Difference Between Bill Count Rev. & G/L Rev.	48,141	54,784	6,643	13.80%
23	<b>Subtotal of Water Revenues</b>	<b>\$ 4,348,715</b>	<b>\$ 4,926,576</b>	<b>\$ 577,860</b>	<b>13.29%</b>
24	<b>Revenue Annualization</b>				
25	Residential 5/8 Inch	\$ 49,762	\$ 56,543	\$ 6,781	13.63%
26	Residential 1 Inch	1,073	1,219	146	13.61%
27	Residential 1.5 Inch	-	-	-	0.00%
28	Residential 2 Inch	(1,244)	(1,413)	(169)	13.60%
29		0	0	0	0
30	Residential Muti-family 5/8 Inch	(1,693)	(1,923)	(230)	13.58%
31	Residential Muti-family 1 Inch	57	65	8	13.62%
32	Residential Muti-family 1.5 Inch	(277)	(315)	(38)	13.76%
33	Residential Muti-family 2 Inch	(13,893)	(15,799)	(1,907)	13.72%
34	Residential Muti-family 4 Inch	-	-	-	0.00%
35	Residential Muti-family 6 Inch	(10,652)	(12,121)	(1,469)	13.79%
36		0	0	0	0
37	Rio Water Residential 5/8 Inch	2,721	3,094	374	13.74%
38	Rio Water Residential 1 Inch	287	327	39	13.74%
39	Rio Water Residential 2 Inch	212	241	29	13.74%
40		0	0	0	0
41	Commercial 5/8 Inch	2,096	2,381	285	13.59%
42	Commercial 1 Inch	3,184	3,617	433	13.59%
43	Commercial 1.5 Inch	0	0	0	0
44	Commercial 2 Inch	10,608	12,047	1,439	13.56%
45	Commercial 3 Inch	2,711	3,079	368	13.58%

**Arizona American - Mohave Water**  
 Test Year Ended December 31, 2001  
 Computation of Increase in Gross Revenue  
 Requirements As Adjusted

Exhibit  
 Schedule A-1  
 Page 3  
 Witness: Bourassa  
**REVISED**

Line No.		Present <u>Rates</u>	Proposed <u>Rates</u>	Dollar <u>Increase</u>	Percent <u>Increase</u>
1					
2	Commercial Multi-Unit 5/8 Inch	3,966	4,504	538	13.57%
3	Commercial Multi-Unit 1 Inch	42	48	6	13.71%
4	Commercial Multi-Unit 1.5 Inch	0	0	0	0
5	Commercial Multi-Unit 2 Inch	(2,842)	(3,231)	(389)	13.68%
6		0	0	0	0
7	Public Authority 58 Inch	0	0	0	0
8	Public Authority 1 Inch	45	51	6	13.61%
9	Public Authority 1.5 Inch	0	0	0	0
10	Public Authority 2 Inch	(977)	(1,109)	(132)	13.57%
11	Public Authority 3 Inch	0	0	0	0
12	Public Authority 4 Inch	(18)	(20)	(2)	13.83%
13	Public Authority 6 Inch	0	0	0	0
14		0	0	0	0
15	Private Fire 2 Inch	132	150	18	13.67%
16	Private Fire 4 Inch	0	0	0	0
17	Private Fire 6 Inch	81	92	11	13.78%
18	Private Fire 8 Inch	132	150	18	13.83%
19	Private Fire 10 Inch	-	-	-	0.00%
20	Private Fire Hydrant	(95)	(108)	(13)	13.74%
21	Total Revenue Annualization	\$ 45,417	\$ 51,566	\$ 6,149	13.54%
22	Revenues from Page 1	\$ 4,348,715	\$ 4,926,576	\$ 577,860	13.29%
23	Totals	\$ 4,394,133	\$ 4,978,142	\$ 584,010	13.29%

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SUPPORTING SCHEDULES:

- 45 B-1
- 46 C-1
- 47 C-3
- 48 H-1

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Arizona American - Mohave Water  
 Test Year Ended December 31, 2001  
 Summary of Results of Operations

Exhibit  
 Schedule A-2  
 Page 1  
 Witness: Bourassa  
**REVISED**

Line No.	Description	Prior Years Ended			Test Year		Projected Year	
		12/31/98	12/31/99	12/31/00	Actual 12/31/01	Adjusted 12/31/01	Present Rates 12/31/02	Proposed Rates 12/31/02
1	Gross Revenues	\$ 4,411,673	\$ 4,545,331	\$ 4,527,349	\$ 4,348,715	\$ 4,394,132	\$ 4,394,132	\$ 4,978,142
2								
3	Revenue Deductions and	3,383,484	3,780,850	3,958,095	3,586,967	3,597,962	3,597,962	3,823,384
4	Operating Expenses							
5								
6	Operating Income	\$ 1,028,189	\$ 764,481	\$ 569,254	\$ 761,748	\$ 796,170	\$ 796,170	\$ 1,154,758
7								
8	Other Income and	(31,371)	(273,094)	(92,291)	(112,845)	-	-	-
9	Deductions							
10								
11	Interest Expense	-	-	-	6,421	479,136	479,136	479,136
12								
13	Net Income	\$ 996,818	\$ 491,387	\$ 476,963	\$ 642,482	\$ 317,033	\$ 317,033	\$ 675,622
14								
15	Earned Per Average							
16	Common Share	2.17	1.07	1.04	1.40	0.69	0.69	1.47
17								
18	Dividends Per							
19	Common Share	-	-	-	-	-	0.52	1.10
20								
21	Payout Ratio	-	-	-	-	-	0.75	0.75
22								
23	Return on Average							
24	Invested Capital	12.18%			3.96%	1.88%	1.41%	3.01%
25								
26	Return on Year End							
27	Capital	6.09%		2.91%	4.00%	1.88%	1.40%	2.97%
28								
29	Return on Average							
30	Common Equity	200.00%	54.66%	31.28%	44.44%	24.71%	3.54%	7.54%
31								
32	Return on Year End							
33	Common Equity	100.00%	61.33%	21.21%	100.00%	100.00%	3.49%	7.44%
34								
35	Times Bond Interest Earned							
36	Before Income Taxes	-	-	-	181.69	155.03	2.08	3.30
37								
38	Times Total Interest and							
39	Preferred Dividends Earned							
40	After Income Taxes	-	-	-	101.06	123.99	1.66	2.41
41								
42								
43	<u>SUPPORTING SCHEDULES</u>							
44	C-1							
45	E-2							
46	F-1							

Arizona American - Mohave Water  
 Test Year Ended December 31, 2001  
 Summary of Capital Structure

Exhibit  
 Schedule A-3  
 Page 1  
 Witness: Bourassa  
**REVISED**

Line No.	Description:	Prior Years Ended			Test Year	Projected Year
		12/31/98	12/31/99	12/31/00	12/31/01	12/31/02
1						
2						
3	Long-Term Debt	-	-	-	13,630,323	13,630,323
4						
5	Total Debt	\$ -	\$ -	\$ -	\$ 13,630,323	\$ 13,630,323
6						
7						
8	Preferred Stock	-	<b>Data Not Available</b>	-	-	-
9						
10	Common Equity	996,818	-	2,248,707	9,086,882	9,086,882
11						
12						
13	Total Capital & Debt	\$ 996,818	\$ -	\$ 2,248,707	\$ 22,717,205	\$ 22,717,205
14						
15						
16	Capitalization Ratios:					
17						
18	Long-Term Debt	0.00%		0.00%	60.00%	60.00%
19						
20	Total Debt	0.00%		0.00%	60.00%	60.00%
21						
22						
23	Preferred Stock	-	-	-	-	-
24						
25	Common Equity	100.00%		100.00%	40.00%	40.00%
26						
27						
28	Total Capital	100.00%		100.00%	100.00%	100.00%
29						
30						
31	Weighted Cost of					
32	Senior Capital	0.00%		0.00%	3.15%	3.15%
33						
34						
35						
36						
37						
38	<u>SUPPORTING SCHEDULES:</u>					
39	E-1					
40	D-1					

**Arizona American - Mohave Water**  
 Test Year Ended December 31, 2001  
 Original Cost Rate Base Proforma Adjustments

Exhibit  
 Schedule B-2  
 Page 1  
 Witness: Bourassa  
**REVISED**

Line No.		Actual at End of <u>Test Year</u>	Proforma <u>Label</u>	Adjustments <u>Amount</u>	Adjusted at end of <u>Test Year</u>
1	Gross Utility				
2	Plant in Service	\$ 22,842,642	(1)	(56,877)	\$ 23,833,079
3			(2)	984,000	
4	<b>Less:</b>		(6)	-	
5			(8)	63,313	
6	Accumulated				
7	Depreciation	<u>7,422,614</u>	(3)	430,031	<u>7,852,645</u>
8					
9	Net Utility Plant				
10	in Service	\$ 15,420,028			\$ 15,980,434
11					
12	<b>Less:</b>				
13	Advances in Aid of				
14	Construction (Ratemaking Purposes Only)	3,626,635	(4a)	439	3,462,178
15			(5a)	(164,896)	
16	Contributions in Aid of				
17	Construction - Net (Ratemaking	2,664,596	(4b)	(3,683)	2,825,809
18	Purposes Only)		(5b)	164,896	
19	Customer Meter Deposits	107,711			107,711
20	Deferred Income Taxes	-			-
21	Investment Tax Credits	-			-
22	<b>Plus:</b>				
23	Unamortized Finance				
24	Charges	-			-
25	Deferred Tax Assets	-			-
26	Working capital	-			-
27	Citizens Acquisition Adjustment	-	(7)	6,121,931	6,121,931
28					
29	<b>Total</b>	<u><u>\$ 9,021,086</u></u>			<u><u>\$ 15,706,667</u></u>

- 31
- 32 (1) Additional Plant at Closing
- 33 (2) Plant to be completed by 12/31/2002.
- 34 (3) Additional Accumulated Depreciation at Closing
- 35 (4) Increase (decrease) AIAC (4a) and CIAC (4b) to Amount at Closing
- 36 (5) Adjust AIAC (5a) and CIAC (5b) for Ratemaking Purposes
- 37 (6) Intentionally Left Blank
- 38 (7) Acquisition Adjustment Premium
- 39 (8) Orcom Costs

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41 SUPPORTING SCHEDULES:

42 B-2

43 E-1

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RECAP SCHEDULES:

B-1

Arizona American - Mohave Water  
Common Plant Allocation  
at December 31, 2002

Exhibit  
Schedule B-2  
Page 3  
Witness: Bourassa  
REVISED

Line No.	Account No.	Description	Accumulated		Allocation Factor	Allocated	
			Original Cost	Depreciation		Original Cost	Depreciation
1							
2		<b>Mohave Common Plant</b>					
3	389.00	Land and Land Rights	\$ 330	\$ -	0.88640	\$ 293	\$ -
4	390.00	Structures and Improvements	138,455	66,471	0.88640	122,727	58,920
5	391.00	Office Furniture and Equipmen	132,114	10,648	0.88640	117,106	9,438
6	391.10	Computer Equipment	327,299	(96,821)	0.88640	290,120	(85,822)
7	392.00	Transportation Equipment	592,119	321,639	0.88640	524,857	285,102
8	393.00	Stores Equipment	3,232	2,139	0.88640	2,865	1,896
9	394.00	Tools, Shop and Garage	132,267	84,962	0.88640	117,242	75,310
10	395.00	Laboratory Equipment	8,210	5,856	0.88640	7,277	5,191
11	396.00	Power Operated Equipment	80,431	53,989	0.88640	71,294	47,856
12	397.00	Communication Equipment	97,880	15,676	0.88640	86,761	13,895
13	398.00	Miscellaneous Equipment	12,225	8,335	0.88640	10,836	7,388
14							
15							
16							
17							
18							
19		<b>TOTALCOMMON PLANT</b>	<b>\$ 1,524,562</b>	<b>\$ 472,893</b>		<b>\$ 1,351,379</b>	<b>\$ 419,174</b>
20							

SUPPORTING SCHEDULES

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**Arizona American - Mohave Water**  
 Test Year Ended December 31, 2001  
 RCND Rate Base Proforma Adjustments

Exhibit  
 Schedule B-3  
 Page 1  
 Witness: Bourassa  
**REVISED**

Line No.		Actual at End of Test Year	Proforma Label	Adjustments Amount	Adjusted at end of Test Year
1	Gross Utility				
2	Plant in Service	\$ 36,359,196	(1)	(56,877)	\$ 37,349,632
3			(2)	984,000	
4	<b>Less:</b>		(6)	-	
5			(7)	63,313	
6	Accumulated				
7	Depreciation	<u>11,744,875</u>	(3)	430,031	<u>12,174,906</u>
8					
9	Net Utility Plant				
10	in Service	\$ 24,614,320			\$ 25,174,726
11					
12	<b>Less:</b>				
13	Advances in Aid of				
14	Construction (Ratemaking Purposes Only)	5,683,424	(4a)	688	5,425,697
15			(5a)	(258,414)	
16	Contributions in Aid of				
17	Construction - Net (Ratemaking	4,175,779	(4b)	(5,773)	4,428,421
18	Purposes Only)		(5b)	258,414	
19	Customer Meter Deposits	107,711			107,711
20	Deferred Income Taxes	-			-
21	Investment Tax Credits	-			-
22	<b>Plus:</b>				
23	Unamortized Finance				
24	Charges	-			-
25	Deferred Tax Assets	-			-
26	Working capital	-			-
27	Citizens Acquisition Adjustment	-			-
28					
29	Total	<u>\$ 14,647,406</u>			<u>\$ 15,212,896</u>

- 31
- 32 (1) Additional Plant at Closing
- 33 (2) Plant to be completed by 12/31/2002.
- 34 (3) Additional Accumulated Depreciation at Closing
- 35 (4) Increase (decrease) AIAC (4a) and CIAC (4b) to Amount at Closing
- 36 (5) Adjust AIAC (5a) and CIAC (5b) for Ratemaking Purposes
- 37 (6) Intentionally Left Blank
- 38 (7) Orcom Costs

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 40 SUPPORTING SCHEDULES:

41 B-4  
 42

RECAP SCHEDULES:

B-1

Arizona American - Mohave Water  
 RCND Common Plant Allocation  
 at December 31, 2002

Exhibit  
 Schedule B-4  
 Page 2  
 Witness: Bourassa  
 REVISED

Line	Account	Trended	Accumulated	Allocation	Allocated	Allocated
No.	No. Description	Amount	Depreciation	Factor	Trended	Accumulated
					Amount	Depreciation
1						
2	<b>Mohave Common Plant</b>					
3	389.00 Land and Land Rights	\$ 877	\$ -	0.88640	\$ 778	\$ -
4	390.00 Structures and Improvements	374,988	180,040	0.88640	332,391	159,588
5	391.00 Office Furniture and Equipmen	157,149	12,655	0.88640	139,297	11,217
6	391.10 Computer Equipment	380,060	(111,855)	0.88640	336,887	(99,149)
7	392.00 Transportation Equipment	656,940	359,836	0.88640	582,315	318,960
8	393.00 Stores Equipment	5,152	3,410	0.88640	4,567	3,022
9	394.00 Tools, Shop and Garage	156,665	106,783	0.88640	138,868	94,653
10	395.00 Laboratory Equipment	12,298	8,966	0.88640	10,901	7,948
11	396.00 Power Operated Equipment	104,798	66,017	0.88640	92,893	58,518
12	397.00 Communication Equipment	123,604	19,564	0.88640	109,564	17,342
13	398.00 Miscellaneous Equipment	21,035	14,583	0.88640	18,645	12,926
14						
15						
16						
17						
18						
19	TOTALCOMMON PLANT	<u>\$ 1,993,567</u>	<u>\$ 659,997</u>		<u>\$ 1,767,107</u>	<u>\$ 585,025</u>

SUPPORTING SCHEDULES

B-2, Page 4

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Arizona American - Mohave  
Common Plant Allocation Basis  
at December 31, 2001

Exhibit  
Schedule B-2  
Page 4  
Witness: Bourassa  
**REVISED**

Line		Year End	
<u>No.</u>	<u>Location</u>	<u>Customer</u>	<u>Factor</u>
		<u>Count</u>	
1	Mohave Water	13,796	0.8864
2	Havasu Water	1,189	0.0764
3	Mohave Sewer	579	0.0372
4			
5			
6			
7			
8			
9	TOTAL CUSTOMER COUNT	<u>15,564</u>	<u>1.0000</u>
10			
11			
12			

**Arizona American - Mohave Water**  
 RCND Plant Summary  
 at December 31, 2001

Exhibit  
 Schedule B-4  
 Page 3  
 Witness: Bourassa

Line No.	Account No.	Description	Trended Amount	Accumulated Depreciation
1		<b>Intangible</b>		
2	301.00	Organization	\$ 66,252	\$ -
3	302.00	Franchises	46,555	-
4	303.00	Miscellaneous Intangibles	-	-
5		<b>Subtotal Intangible</b>	<u>\$ 112,807</u>	<u>\$ -</u>
6				
7		<b>Source of Supply</b>		
8	310.00	Land and Land Rights	\$ 501,707	\$ -
9	311.00	Structures and Improvements	538,101	121,785
10	312.00	Collecting and Impounding Res.	773,969	89,322
11	313.00	Lakes, Rivers, Other Intakes	-	-
12	314.00	Wells and Springs	1,321,866	468,768
13		<b>Subtotal Source of Supply</b>	<u>\$ 3,135,642</u>	<u>\$ 679,876</u>
14				
15		<b>Pumping</b>		
16	320.00	Land and Land Rights	\$ 8,125	\$ -
17	321.00	Structures and Improvements	5,062	(7,936)
18	323.00	Other Power Production	-	-
19	325.00	Electric Pumping Equipment	2,335,293	1,246,525
20	326.00	Diesel Pumping Equipment	-	-
21	328.10	Gas Engine Pumping Equipment	-	-
22		<b>Subtotal Pumping</b>	<u>\$ 2,348,479</u>	<u>\$ 1,238,590</u>
23				
24		<b>Water Treatment</b>		
25	330.00	Land and Land Rights	-	-
26	331.00	Structures and Improvements	26,079	-
27	332.00	Water Treatment Equipment	64,796	67,094
28		<b>Subtotal Water Treatment</b>	<u>\$ 90,875</u>	<u>\$ 67,094</u>
29				
30		<b>Transmission and Distribution</b>		
31	340.00	Land and Land Rights	\$ 44,998	\$ -
32	341.00	Structures and Improvements	10,885	4,748
33	342.00	Distribution, Reservoirs, & ST	1,994,014	405,427
34	343.00	Transmission and Distribution	19,998,451	5,954,548
35	344.00	Fire Mains	-	-
36	345.00	Services	4,524,277	2,117,820
37	346.00	Meters	2,331,661	691,749
38	348.00	Hydrants	-	-
39	349.00	Other Transmission & Distribution	-	-
40		<b>Subtotal Transmission and Distribution</b>	<u>\$ 28,904,285</u>	<u>\$ 9,174,292</u>
41				
42		<b>General</b>		
43	389.00	Land and Land Rights	\$ 877	\$ -
44	390.00	Structures and Improvements	374,964	180,038
45	391.00	Office Furniture and Equipment	152,959	12,454
46	391.10	Computer Equipment	366,085	(113,963)
47	392.00	Transportation Equipment	569,950	343,533
48	393.00	Stores Equipment	5,152	3,410
49	394.00	Tools, Shop and Garage	101,126	98,932
50	395.00	Laboratory Equipment	11,701	8,923
51	396.00	Power Operated Equipment	56,403	56,895
52	397.00	Communication Equipment	112,735	14,860
53	398.00	Miscellaneous Equipment	20,321	14,675
54		<b>Subtotal General</b>	<u>\$ 1,772,273</u>	<u>\$ 619,757</u>
55				
56				
57				
58				
59		<b>TOTAL WATER PLANT</b>	<u>\$ 36,364,361</u>	<u>\$ 11,779,608</u>
60				

61 SUPPORTING SCHEDULES  
 62 B-4, Page 4+

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**Arizona American - Mohave Water**  
**Test Year Ended December 31, 2001**  
**Income Statement**

Exhibit  
Schedule C-1  
Page 1  
Witness: Bourassa

**REVISED**

Line No.		Test Year Book Results	Label	Adjustment	Test Year Adjusted Results	Proposed Rate Increase	Adjusted with Rate Increase
1	<b>Revenues</b>						
2	Metered Water Revenues	\$ 4,240,010	11	45,417	\$ 4,285,427	584,010	\$ 4,869,437
3	Unmetered Water Revenues	-			-		-
4	Other Water Revenues	<u>108,705</u>			<u>108,705</u>		<u>108,705</u>
5		<u>\$ 4,348,715</u>		\$ 45,417	\$ 4,394,132	\$ 584,010	\$ 4,978,142
6	<b>Operating Expenses</b>						
7	Salaries and Wages	\$ 614,283	2a,4a,10a	229,804	\$ 844,087		\$ 844,087
8	Purchased Water	5,040			5,040		5,040
9	Purchased Power	289,500	1b,16	5,103	294,603		294,603
10	Chemicals	8,150	1c	-	8,150		8,150
11	Repairs and Maintenance	301,313	1d	-	301,313		301,313
12	Office Supplies and Expense	120,364	1e,10b	129,247	249,611		249,611
13	Outside Services	40,219	1f	(35,042)	5,177		5,177
14	Service Company Charges		3	521,040	521,040		521,040
15	Water Testing		13	-	-		-
16	Rents		1g,12	18,307	18,307		18,307
17	Transportation Expenses			-	-		-
18	Insurance - General Liability	43,938	1h,10c	(16,553)	27,385		27,385
19	Insurance - health and Life			-	-		-
20	Regulatory Commission Expense - Rate Case		8	29,005	29,013		29,013
21	Miscellaneous Expense	422,562	1i,10d	(339,176)	83,386		83,386
22	Depreciation Expense	866,984	5	(174,785)	692,199		692,199
23	Taxes Other Than Income	37,941	1a,2b,4b	9,622	47,563		47,563
24	Property Taxes	318,944	6	(47,155)	271,789		271,789
25	Income Tax	517,721			199,298		424,720
26					-		-
27	<b>Total Operating Expenses</b>	<u>\$ 3,586,967</u>		\$ 329,418	\$ 3,597,962	\$ -	\$ 3,823,384
28	<b>Profit (Loss) Before Interest &amp; Taxes</b>	<u>\$ 761,748</u>		\$ (284,001)	\$ 796,170	\$ 584,010	\$ 1,154,758
29	<b>Other Income (Expense)</b>						
30	Interest Income				-		-
31	Other income		14a	-	-		-
32	Interest Expense	(6,421)	7	(472,715)	(479,136)		(479,136)
33	Other Expense	(112,845)	14b	112,845	-		-
34	Gain/Loss Sale of Fixed Assets				-		-
35	<b>Total Other Income (Expense)</b>	<u>\$ (119,266)</u>		\$ (359,870)	\$ (479,136)	\$ -	\$ (479,136)
36	<b>Net Profit (Loss)</b>	<u>\$ 642,482</u>		\$ (643,871)	\$ 317,033	\$ 584,010	\$ 675,622

SUPPORTING SCHEDULES:  
C-2  
E-2

RECAP SCHEDULES:  
A-1



**Arizona American - Mohave Water**  
 Test Year Ended December 31, 2001  
 Adjustments to Revenues and Expenses  
 Adjustment Number 6

Exhibit  
 Schedule C-2  
 Page 7  
 Witness: Bourassa  
**REVISED**

Line  
No.

1	<u>Adjust Property Taxes to Reflect Proposed Revenues:</u>	
2		
3	Revenues in year ended 12/31/01	\$ 4,348,715
4	Adjusted Revenues in year ended 12/31/01	4,394,132
5	Proposed Revenues	4,978,142
6	Average of three year's of revenue	<u>\$4,573,663</u>
7	Average of three year's of revenue, times 2	<u>\$9,147,326</u>
8	Add:	
9	Construction Work in Progress at 10%	
10	Deduct:	
11	Book Value of Transportation Equipment	524,857
12	Book Value of Transportation Equipment (proforma)	17,600
13	Total Book Value of Transportation Equipment	<u>542,457</u>
14		
15	Full Cash Value	\$ 8,604,869
16	Assessment Ratio	25%
17	Assessed Value	<u>2,151,217</u>
18	Property Tax Rate	12.337393%
19		
20	Property Tax	265,404
21	Tax on Parcels	6,385
22		
23	Total Property Tax at Proposed Rates	<u>\$ 271,789</u>
24	Property Taxes in the test year	318,944
25	Change in Property Taxes	<u>\$ (47,155)</u>
26		
27		
28	Adjustment to Revenues and/or Expenses	<u>\$ (47,155)</u>
29		
30		

**Arizona American - Mohave Water**  
Test Year Ended December 31, 2001  
**ADJUSTMENTS TO REVENUES AND/OR EXPENSES**  
Adjustment Number 11

Exhibit  
Schedule C-2  
Page 12  
Witness: Bourassa  
**REVISED**

Line

No.

1	<u>Revenue Annualization</u>	
2		
3		
4	Revenue Annualization	\$ 45,417
5		
6		
7		
8	Total Revenue from Annualization	<u>\$ 45,417</u>
9		
10		
11	Adjustment to Revenue and/or Expense	<u>\$ 45,417</u>
12		
13	<u>SUPPORTING SCHEDULES</u>	
14	H1	
15		
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18		

**Arizona American - Havasu Water Company**  
 Test Year Ended December 31, 2001  
 Computation of Increase in Gross Revenue  
 Requirements As Adjusted

Exhibit  
 Schedule A-1  
 Page 1  
 Witness: Bourassa  
**REVISED**

Line No.					
1	Fair Value Rate Base			\$	1,369,042
2					
3	Adjusted Operating Income				(16,320)
4					
5	Current Rate of Return				-1.19%
6					
7	Required Operating Income			\$	106,094
8					
9	Required Rate of Return on Fair Value Rate Base				7.75%
10					
11	Operating Income Deficiency			\$	122,415
12					
13	Gross Revenue Conversion Factor				1.6286
14					
15	Increase in Gross Revenue				
16	Requirement			\$	199,369
17					
18	Customer	Present	Proposed	Dollar	Percent
19	<u>Classification</u>	<u>Rates</u>	<u>Rates</u>	<u>Increase</u>	<u>Increase</u>
20	5/8 Inch Residential	\$ 249,903	\$ 364,729	\$ 114,827	45.95%
21	1 Inch Residential	3,296	4,805	1,509	45.78%
22	1.5 Inch Residential	0	0	0	0
23	2 Inch Residential	1,580	2,303	724	45.82%
24	3 Inch Residential	0	0	0	0
25	4 Inch Residential	3,730	5,438	1,709	45.82%
26	6 Inch Residential	0	0	0	0
27	5/8 Inch Commercial	15,714	22,921	7,207	45.87%
28	1 Inch Commercial	7,007	10,219	3,212	45.83%
29	2 Inch Commercial	3,958	5,773	1,815	45.87%
30	3 Inch Commercial	30,088	43,869	13,782	45.81%
31	4 Inch Commercial	3,820	5,572	1,751	45.84%
32	6 inch Commercial	0	0	0	0
33	Multi-Family 44 4"	7,203	10,518	3,315	46.02%
34	Multi-Family 56 2"	7,741	11,307	3,565	46.06%
35	Multi-Family 64 4"	10,065	14,697	4,632	46.03%
36	Multi-Family 65 2"	9,406	13,737	4,331	46.05%
37	Multi-Family 67 4"	11,990	17,505	5,515	46.00%
38	Multi-Family 89 1"	13,438	18,768	5,329	39.66%
39	Multi-Family 102 2"	12,850	18,772	5,922	46.08%
40	Multi-Family 129 4"	16,174	23,649	7,475	46.22%
41	Multi-Family 153 4"	18,998	27,754	8,756	46.09%
42	Miscellaneous Revenues	10,532	10,532	2,909	46.10%
43	Difference between Bill Count Revenues				
44	and General Ledger Revenues	6,311	9,220	2,909	46.10%
45	Subtotal Revenues	\$ 443,802	\$ 642,088	\$ 198,286	44.68%

**Arizona American - Havasu Water Company**  
 Test Year Ended December 31, 2001  
 Computation of Increase in Gross Revenue  
 Requirements As Adjusted

Exhibit  
 Schedule A-1  
 Page 2  
 Witness: Bourassa  
**REVISED**

Line

No.

**Revenue Annualization**

	<u>Present Revenues</u>	<u>Proposed Revenues</u>	<u>Dollar Change</u>	<u>Percent Change</u>
4	11,725	17,113	5,388	45.95%
5	(3,296)	(4,805)	(1,509)	45.78%
6	(1,428)	(2,082)	(654)	45.83%
7	(4,464)	(6,509)	(2,045)	45.81%
8	783	1,142	359	45.87%
9	(541)	(789)	(248)	45.84%
10	(764)	(1,114)	(350)	45.87%
11	(4,894)	(7,135)	(2,241)	45.80%
12	(2,878)	(4,179)	(1,301)	45.21%
13	440,924	637,909	196,984	44.68%

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SUPPORTING SCHEDULES:

B-1  
 C-1  
 C-3  
 H-1

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50  
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Arizona American - Havasu Water  
 Test Year Ended December 31, 2001  
 Summary of Results of Operations

Exhibit  
 Schedule A-2  
 Page 1  
 Witness: Bourassa  
**REVISED**

Line No.	Description	Prior Years Ended			Test Year		Projected Year	
		12/31/98	12/31/99	12/31/00	Actual 12/31/01	Adjusted 12/31/01	Present Rates 12/31/02	Proposed Rates 12/31/02
1	Gross Revenues	\$ 329,662	\$ 277,910	\$ 359,521	\$ 443,802	\$ 440,924	\$ 440,924	\$ 637,908
2								
3	Revenue Deductions and	335,473	299,641	376,863	398,817	457,244	457,244	533,278
4	Operating Expenses							
5								
6	Operating Income	\$ (5,811)	\$ (21,731)	\$ (17,342)	\$ 44,985	\$ (16,320)	\$ (16,320)	\$ 104,630
7								
8	Other Income and		(686)	403	10,719	-	-	-
9	Deductions	-						
10								
11	Interest Expense	404	336	1,301	65,849	34,824	34,824	34,824
12								
13	Net Income	\$ (6,215)	\$ (22,753)	\$ (18,240)	\$ (10,145)	\$ (51,144)	\$ (51,144)	\$ 69,807
14								
15	Earned Per Average							
16	Common Share	(0.01)	(0.05)	(0.04)	(0.02)	(0.11)	(0.11)	0.15
17								
18	Dividends Per							
19	Common Share	-	-	-	-	-	-	0.11
20								
21	Payout Ratio	-	-	-	-	-	0.75	0.75
22								
23	Return on Average							
24	Invested Capital	-0.77%	-1.44%	-1.16%	-0.64%	-2.90%	-1.56%	2.13%
25								
26	Return on Year End							
27	Capital	-0.38%	-1.48%	-1.14%	-0.64%	-2.90%	-1.16%	1.58%
28								
29	Return on Average							
30	Common Equity	-0.18%	-14.74%	-13.63%	-8.48%	-74.32%	-3.91%	5.33%
31								
32	Return on Year End							
33	Common Equity	-3.75%	-15.91%	-14.62%	-8.85%	-396.85%	-2.90%	3.96%
34								
35	Times Bond Interest Earned							
36	Before Income Taxes	-	(148.71)	(22.01)	1.43	(1.39)	(1.39)	4.26
37								
38	Times Total Interest and							
39	Preferred Dividends Earned							
40	After Income Taxes	-	(66.72)	(13.02)	0.85	(0.47)	(0.47)	3.00
41								
42								
43	<u>SUPPORTING SCHEDULES</u>							
44	C-1							
45	E-2							
46	F-1							

**Arizona American - Havasu Water**  
 Test Year Ended December 31, 2001  
 Summary of Capital Structure

Exhibit  
 Schedule A-3  
 Page 1  
 Witness: Bourassa  
**REVISED**

Line No.	Description:	Prior Years Ended			Test Year	Projected Year
		<u>12/31/98</u>	<u>12/31/99</u>	<u>12/31/00</u>	<u>12/31/01</u>	<u>12/31/02</u>
1						
2						
3	Long-Term Debt	-	-	-	2,647,022	2,647,022
4						
5	Total Debt	\$ -	\$ -	\$ -	\$ 2,647,022	\$ 2,647,022
6						
7						
8	Preferred Stock	-	-	-	-	-
9						
10	Common Equity	165,735	142,982	124,742	1,764,681	1,764,681
11						
12						
13	Total Capital & Debt	\$ 165,735	\$ 142,982	\$ 124,742	\$ 4,411,703	\$ 4,411,703
14						
15						
16	Capitalization Ratios:					
17						
18	Long-Term Debt	0.00%	0.00%	0.00%	60.00%	60.00%
19						
20	Total Debt	0.00%	0.00%	0.00%	60.00%	60.00%
21						
22						
23	Preferred Stock	-	-	-	-	-
24						
25	Common Equity	100.00%	100.00%	100.00%	40.00%	40.00%
26						
27						
28	Total Capital	100.00%	100.00%	100.00%	100.00%	100.00%
29						
30						
31	Weighted Cost of					
32	Senior Capital	0.00%	0.00%	0.00%	3.15%	3.15%
33						
34						
35						
36						
37						
38	<u>SUPPORTING SCHEDULES:</u>					
39	E-1					
40	D-1					

Arizona American - Havasu Water  
 Test Year Ended December 31, 2001  
 Summary Statements of Cash Flows

Exhibit  
 Schedule A-5  
 Page 1  
 Witness: Bourassa  
**REVISED**

Line  
 No.

	Prior Year Ended <u>12/31/98</u>	Prior Year Ended <u>12/31/99</u>	Prior Year Ended <u>12/31/00</u>	Test Year Ended <u>12/31/01</u>	Projected Year	
					Present Rates <u>12/31/02</u>	Proposed Rates <u>12/31/02</u>
5 Cash Flows from Operating Activities						
6 Net Income	\$ -	\$ (22,753)	\$ (18,240)	\$ (10,145)	\$ (51,144)	\$ 69,807
7 Adjustments to reconcile net income to net cash						
8 provided by operating activities:						
9 Depreciation and Amortization	-	58,478	64,497	73,315	46,650	46,650
10 Deferred Income Taxes	-	(111,956)	62	(108)		
11 Accumulated Deferred ITC	-	-	-	-		
12 Changes in Certain Assets and Liabilities:						
13 Accounts Receivable	-	10,980	(485)	(30,575)		
14 Materials & Supplies	<b>Data Not</b>	-	-	-		
15 Prepaid Expenses	<b>Available</b>	-	-	(2,415)		
16 Misc Current Assets and Deferred Expense	-	89,036	367	-		
17 Accounts Payable and Accrued Liabilities	-	(1,936)	20,501	53		
18 Accrued Income Taxes	-	(4,427)	10,639	(3,183)		
19 Net Cash Flow provided by Operating Activities	\$ -	\$ 17,422	\$ 77,341	\$ 26,942	\$ (4,494)	\$ 116,457
20 Cash Flow From Investing Activities:						
21 Capital Expenditures	-	(36,083)	(116,192)	(84,940)	(2,352,427)	(2,352,427)
22 Plant Held for Future Use	-	(60,373)	-	-		
23 Non-Utility Property	-	-	-	-		
24 Net Cash Flows from Investing Activities	\$ -	\$ (96,456)	\$ (116,192)	\$ (84,940)	\$ (2,352,427)	\$ (2,352,427)
25 Cash Flow From Financing Activities						
26 (Decrease) Increase in Net Amounts due to Parent and						
27 Affiliates	-	14,235	(2,847)	83,122		
28 Customer Deposits	-	1,665	6,177	(14,563)		
29 Changes in Advances for Construction	-	63,671	34,687	(269,380)		
30 Changes in Contributions for Construction	-	(537)	834	258,819		
31 Proceeds from Long-Term Debt Borrowing	-	-	-	-		
32 Repayments of Long-Term Debt	-	-	-	-		
33 Dividends Paid	-	-	-	-		(52,355)
34 Deferred Financing Costs	-	-	-	-		
35 Paid in Capital	-	-	-	-		
36 Net Cash Flows Provided by Financing Activities	\$ -	\$ 79,034	\$ 38,851	\$ 57,998	\$ -	\$ (52,355)
37 Increase(decrease) in Cash and Cash Equivalents	-	-	-	-	(2,356,920)	(2,288,325)
38 Cash and Cash Equivalents at Beginning of Year	-	-	-	-	-	-
39 Cash and Cash Equivalents at End of Year	\$ -	\$ -	\$ -	\$ -	\$ (2,356,920)	\$ (2,288,325)

43 SUPPORTING SCHEDULES:

44 E-3

45 F-2

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**Arizona American - Havasu Water**  
 Test Year Ended December 31, 2001  
 Income Statement

Exhibit  
 Schedule C-1  
 Page 1  
 Witness: Bourassa  
**REVISED**

Line No.		Test Year Book Results	<u>Label</u>	<u>Adjustment</u>	Test Year Adjusted Results	Proposed Rate Increase	Adjusted with Rate Increase
1	<b>Revenues</b>						
2	Metered Water Revenues	\$ 433,270	11	(2,878)	\$ 430,392	196,984	\$ 627,376
3	Unmetered Water Revenues	-			-		-
4	Other Water Revenues	<u>10,532</u>			<u>10,532</u>		<u>10,532</u>
5		\$ 443,802		\$ (2,878)	\$ 440,924	\$ 196,984	\$ 637,908
6	<b>Operating Expenses</b>						
7	Salaries and Wages	\$ 59,846	2a,4a,10a	111,573	\$ 171,419		\$ 171,419
8	Purchased Water	806			806		806
9	Purchased Power	48,120	1b,16	(1,102)	47,018		47,018
10	Chemicals	1,266	1c	-	1,266		1,266
11	Repairs and Maintenance	75,805	1d	-	75,805		75,805
12	Office Supplies and Expense	9,892	1e,10b	11,351	21,243		21,243
13	Outside Services	13,709	1f	(11,247)	2,462		2,462
14	Service Company Charges		3	75,244	75,244		75,244
15	Water Testing	-			-		-
16	Rents	-	1g,12	1,837	1,837		1,837
17	Transportation Expenses	-			-		-
18	Insurance - General Liability	4,514	1h,10c	(2,149)	2,365		2,365
19	Insurance - Health and Life	-			-		-
20	Regulatory Commission Expense - Rate Case	-	8	2,910	2,910		2,910
21	Miscellaneous Expense	47,502	1i,10d	(45,525)	1,977		1,977
22	Depreciation Expense	73,315	5	(26,665)	46,650		46,650
23	Taxes Other Than Income	7,949	1a,2b,4b	1,763	9,712		9,712
24	Property Taxes	17,388	6	11,294	28,682		28,682
25	Income Tax	38,705			(32,151)		43,883
26					-		-
27	<b>Total Operating Expenses</b>	<u>\$ 398,817</u>		<u>\$ 129,283</u>	<u>\$ 457,244</u>	<u>\$ -</u>	<u>\$ 533,278</u>
28	<b>Profit (Loss) Before Interest &amp; Taxes</b>	<u>\$ 44,985</u>		<u>\$ (132,161)</u>	<u>\$ (16,320)</u>	<u>\$ 196,984</u>	<u>\$ 104,630</u>
29	<b>Other Income (Expense)</b>						
30	Interest Income				-		-
31	Other income	(60)	14a	60	-		-
32	Interest Expense	(65,849)	7	31,025	(34,824)		(34,824)
33	Other Expense	10,779	14b	(10,779)	-		-
34	Gain/Loss Sale of Fixed Assets				-		-
35	<b>Total Other Income (Expense)</b>	<u>\$ (55,130)</u>		<u>\$ 20,306</u>	<u>\$ (34,824)</u>	<u>\$ -</u>	<u>\$ (34,824)</u>
36	<b>Net Profit (Loss)</b>	<u>\$ (10,145)</u>		<u>\$ (111,855)</u>	<u>\$ (51,144)</u>	<u>\$ 196,984</u>	<u>\$ 69,807</u>

37  
 38 SUPPORTING SCHEDULES:  
 39 C-2  
 40 E-2  
 41

RECAP SCHEDULES:  
 A-1

**Arizona American - Havasu Water**  
 Test Year Ended December 31, 2001  
 Original Cost Rate Base Proforma Adjustments

Exhibit  
 Schedule B-2  
 Page 1  
 Witness: Bourassa  
**REVISED**

Line No.		Actual at End of Test Year	Proforma Label	Adjustments Amount	Adjusted at end of Test Year
1	Gross Utility				
2	Plant in Service	\$ 1,952,588	(1)	(7,826)	\$ 2,165,408
3			(2)	212,200	
4	<b>Less:</b>		(6)	-	
5			(8)	8,445	
6	Accumulated				
7	Depreciation	<u>518,763</u>	(3)	36,768	<u>555,531</u>
8					
9	Net Utility Plant				
10	in Service	\$ 1,433,825			\$ 1,609,877
11					
12	<b>Less:</b>				
13	Advances in Aid of				
14	Construction (Ratemaking Pur	440,741	(4a)	-	418,704
15			(5a)	(22,037)	
16	Contributions in Aid of				
17	Construction - Net (Ratemakir	259,116	(4b)	(286)	280,867
18	Purposes Only)		(5b)	22,037	
19	Customer Meter Deposits	11,066			11,066
20	Deferred Income Taxes	-			-
21	Investment Tax Credits	-			-
22	<b>Plus:</b>				
23	Unamortized Finance				
24	Charges	-			-
25	Deferred Tax Assets	-			-
26	Working capital	-			-
27	Citizens Acquisition Adjustment	-	(7)	523,302	523,302
28					
29	Total	<u>\$ 722,902</u>			<u>\$ 1,422,543</u>
30					
31					
32	(1) Additional Plant at Closing				
33	(2) Plant to be completed by 12/31/2002.				
34	(3) Additional Accumulated Depreciation at Closing				
35	(4) Increase (decrease) AIAC (4a) and CIAC (4b) to Amount at Closing				
36	(5) Adjust AIAC (5a) and CIAC (5b) for Ratemaking Purposes				
37	(6) Intentionally Left Blank				
38	(7) Acquisition Adjustment Premium				
39	(8) Orcom Costs				
40					
41	<u>SUPPORTING SCHEDULES:</u>				<u>RECAP SCHEDULES:</u>
42	B-2				B-1
43	E-1				
44					
45					
46					

**Arizona American - Havasu Water**  
Common Plant Allocation  
at December 31, 2002

Exhibit  
Schedule B-2  
Page 3  
Witness: Bourassa  
**REVISED**

Line No.	Account No.	Description	Original Cost	Accumulated Depreciation	Allocation Factor	Allocated Original Cost	Allocated Accumulated Depreciation
1							
2		<b>Mohave Common Plant</b>					
3	389.00	Land and Land Rights	\$ 330	\$ -	0.07639	\$ 25	\$ -
4	390.00	Structures and Improvements	138,455	66,471	0.07639	10,577	5,078
5	391.00	Office Furniture and Equipment	132,114	10,648	0.07639	10,093	813
6	391.10	Computer Equipment	327,299	(96,821)	0.07639	25,004	(7,397)
7	392.00	Transportation Equipment	592,119	321,639	0.07639	45,234	24,571
8	393.00	Stores Equipment	3,232	2,139	0.07639	247	163
9	394.00	Tools, Shop and Garage	132,267	84,962	0.07639	10,104	6,491
10	395.00	Laboratory Equipment	8,210	5,856	0.07639	627	447
11	396.00	Power Operated Equipment	80,431	53,989	0.07639	6,144	4,124
12	397.00	Communication Equipment	97,880	15,676	0.07639	7,477	1,198
13	398.00	Miscellaneous Equipment	12,225	8,335	0.07639	934	637
14							
15							
16							
17							
18							
19		<b>TOTALCOMMON PLANT</b>	<b>\$ 1,524,562</b>	<b>\$ 472,893</b>		<b>\$ 116,468</b>	<b>\$ 36,126</b>

22 SUPPORTING SCHEDULES  
23 B-2, Page 4

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29  
30  
31  
32

Arizona American - Mohave  
Common Plant Allocation Basis  
at December 31, 2001

Exhibit  
Schedule B-2  
Page 4  
Witness: Bourassa  
**REVISED**

Line		Year End	
<u>No.</u>	<u>Location</u>	<u>Customer</u>	<u>Factor</u>
		<u>Count</u>	
1	Mohave Water	13,796	0.8864
2	Havasu Water	1,189	0.0764
3	Mohave Sewer	579	0.0372
4			
5			
6			
7			
8			
9	TOTAL CUSTOMER COUNT	<u>15,564</u>	<u>1.0000</u>
10			
11			
12			

**Arizona American - Havasu Water**  
 Test Year Ended December 31, 2001  
 RCND Rate Base Proforma Adjustments

Exhibit  
 Schedule B-3  
 Page 1  
 Witness: Bourassa  
**REVISED**

Line No.		Actual at End of Test Year	Proforma Adjustments Label	Amount	Adjusted at end of Test Year
1	Gross Utility				
2	Plant in Service	\$ 3,134,673	(1)	(7,826)	\$ 3,347,492
3			(2)	212,200	
4	<b>Less:</b>		(6)	-	
5			(7)	8,445	
6	Accumulated				
7	Depreciation	<u>849,153</u>	(3)	36,768	<u>885,921</u>
8					
9	Net Utility Plant				
10	in Service	\$ 2,285,519			\$ 2,461,571
11					
12	<b>Less:</b>				
13	Advances in Aid of				
14	Construction (Ratemaking Purp	681,339	(4a)	-	647,272
15			(5a)	(34,067)	
16	Contributions in Aid of				
17	Construction - Net (Ratemakin	400,566	(4b)	(442)	434,191
18	Purposes Only)		(5b)	34,067	
19	Customer Meter Deposits	11,066			11,066
20	Deferred Income Taxes	-			-
21	Investment Tax Credits	-			-
22	<b>Plus:</b>				
23	Unamortized Finance				
24	Charges	-			-
25	Deferred Tax Assets	-			-
26	Working capital	-			-
27	Citizens Acquisition Adjustment	-			-
28					
29	<b>Total</b>	<u>\$ 1,192,548</u>			<u>\$ 1,369,042</u>

- 31
- 32 (1) Additional Plant at Closing
- 33 (2) Plant to be completed by 12/31/2002.
- 34 (3) Additional Accumulated Depreciation at Closing
- 35 (4) Increase (decrease) AIAC (4a) and CIAC (4b) to Amount at Closing
- 36 (5) Adjust AIAC (5a) and CIAC (5b) for Ratemaking Purposes
- 37 (6) Intentionally Left Blank
- 38 (7) Orcom Costs

39  
 40 SUPPORTING SCHEDULES:  
 41 B-4  
 42

RECAP SCHEDULES:  
 B-1

**Arizona American - Havasu Water**  
 RCND Common Plant Allocation  
 at December 31, 2002

Exhibit  
 Schedule B-4  
 Page 2  
 Witness: Bourassa  
**REVISED**

Line No.	Account No.	Description	Trended Amount	Accumulated Depreciation	Allocation Factor	Allocated Trended Amount	Allocated Accumulated Depreciation
1							
2		<b>Mohave Common Plant</b>					
3	389.00	Land and Land Rights	\$ 877	\$ -	0.07639	\$ 67	\$ -
4	390.00	Structures and Improvements	374,988	180,040	0.07639	28,647	13,754
5	391.00	Office Furniture and Equipment	157,149	12,655	0.07639	12,005	967
6	391.10	Computer Equipment	380,060	(111,855)	0.07639	29,034	(8,545)
7	392.00	Transportation Equipment	656,940	359,836	0.07639	50,186	27,489
8	393.00	Stores Equipment	5,152	3,410	0.07639	394	260
9	394.00	Tools, Shop and Garage	156,665	106,783	0.07639	11,968	8,158
10	395.00	Laboratory Equipment	12,298	8,966	0.07639	940	685
11	396.00	Power Operated Equipment	104,798	66,017	0.07639	8,006	5,043
12	397.00	Communication Equipment	123,604	19,564	0.07639	9,443	1,495
13	398.00	Miscellaneous Equipment	21,035	14,583	0.07639	1,607	1,114
14							
15							
16							
17							
18							
19		<b>TOTALCOMMON PLANT</b>	<b>\$ 1,993,567</b>	<b>\$ 659,997</b>		<b>\$ 152,297</b>	<b>\$ 50,420</b>
20							
21							
22		<u>SUPPORTING SCHEDULES</u>					
23		B-2, Page 4					
24							
25							
26							
27							
28							
29							
30							
31							
32							

**Arizona American - Havasu Water**  
 Test Year Ended December 31, 2001  
 Adjustments to Revenues and Expenses

Exhibit  
 Schedule C-2  
 Page 1  
 Witness: Bourassa  
**REVISED**

Line No.	Adjustments to Revenues and Expenses						Subtotal
	1 Remove Citizens Corp. Allocations	2 Remove T.Y. Salaries & Wages	3 Service Company Charges	4 Projected Salaries & Wages	5 Depreciation Expense	6 Property Taxes	
3	Revenues						-
5	Expenses						54,637
8	64,494	67,795	(75,244)	(127,053)	26,665	(11,294)	(54,637)
16	Net Income						(54,637)
Line No.	Adjustments to Revenues and Expenses						Subtotal
	7 Interest Exp. Synch. W/ Rate Base	8 Rate Case Expense	9 INTENTIONALLY LEFT BLANK	10 Projected Additional Expenses	11 Revenue Annualization	12 Corporate Office Lease	
23	Revenues						(2,878)
25	Expenses						130,265
28	-	(2,910)	-	(70,882)	(2,878)	(1,837)	(133,143)
36	Net Income						(102,118)
Line No.	Adjustments to Revenues and Expenses						Total
	13 Local Water Testing Expense	14 Remove Other Revenues/Expenses	15 INTENTIONALLY LEFT BLANK	16 Power Costs Adjustment	17	18	
43	Revenues						(2,878)
45	Expenses						129,283
48	-	-	-	982	-	-	(132,161)
53	Interest Expense						31,025
54	Other Income / Expense						(10,719)
56	Net Income						(111,855)

**Arizona American - Havasu Water**  
 Test Year Ended December 31, 2001  
 Adjustments to Revenues and Expenses  
 Adjustment Number 6

Exhibit  
 Schedule C-2  
 Page 7  
 Witness: Bourassa  
**REVISED**

Line No.		
1	<u>Adjust Property Taxes to Reflect Proposed Revenues:</u>	
2		
3	Revenues in year ended 12/31/01	\$ 443,802
4	Adjusted Revenues in year ended 12/31/01	440,924
5	Proposed Revenues	637,908
6	Average of three year's of revenue	<u>\$507,545</u>
7	Average of three year's of revenue, times 2	<u>\$1,015,089</u>
8	Add:	
9	Construction Work in Progress at 10%	
10	Deduct:	
11	Book Value of Transportation Equipment	45,234
12	Book Value of Transportation Equipment (proforma)	<u>0</u>
13	Total Book Value of Transportation Equipment	<u>\$ 45,234</u>
14		
15	Full Cash Value	\$ 969,855
16	Assessment Ratio	<u>25%</u>
17	Assessed Value	242,464
18	Property Tax Rate	11.83%
19		
20	Property Tax	28,682
21	Tax on Parcels	0
22		
23	Total Property Tax at Proposed Rates	<u>\$ 28,682</u>
24	Property Taxes in the test year	<u>17,388</u>
25	Change in Property Taxes	<u>\$ 11,294</u>
26		
27		
28	Adjustment to Revenues and/or Expenses	<u>\$ 11,294</u>
29		
30		

**Arizona American - Havasu Water**  
Test Year Ended December 31, 2001  
ADJUSTMENTS TO REVENUES AND/OR EXPENSES  
Adjustment Number 11

Exhibit  
Schedule C-2  
Page 12  
Witness: Bourassa  
**REVISED**

Line

No.

1 Revenue Annualization

2

3

4 Revenue Annualization

\$ (2,878)

5

6

7

8 Total Revenue from Annualization

\$ (2,878)

9

10

11 Adjustment to Revenue and/or Expense

\$ (2,878)

12

13 SUPPORTING SCHEDULES

14 H1

15

16

17

18

Arizona American  
 Schedule E-1 To Schedule B2, page 1, Plant Reconciliation

	Mohave	Havasu	Agua Fria (**)	Anthem Water	Anthem Sewer (*)	Sun City Water (*)	Sun City Sewer	SC West Water	SC West Sewer
Plant Balance E-1	\$ 22,821,782	\$ 1,989,979	\$ 53,321,381	\$ 4,195,817	\$ 23,347,399	\$ 39,364,286	\$ 17,987,373	\$ 29,950,787	\$ 39,775,541
Less Plant Adjustments (B-2, p2)	-	-	217,801	-	-	450,822	93,075	431,998	242,717
AFUDC	-	-	-	-	-	148,497	96,727	-	-
Plant	1,330,518	153,858	601,473	300,860	705,317	4,572,145	125,064	580,556	2,180,953
Less General Plant B-2, p5	1,351,379	116,468	1,273,919	320,243	249,219	2,174,303	2,071,343	1,526,371	1,458,580
Plus Common Plant Alloc B-2, p2	\$ 22,842,643	\$ 1,952,589	\$ 53,776,026	\$ 4,215,200	\$ 22,891,301	\$ 36,367,125	\$ 19,643,850	\$ 30,464,604	\$ 38,810,451
Calculated Plant B-2, p1	22,842,642	1,952,588	53,776,026	4,215,200	22,891,302	36,367,124	19,643,850	30,464,605	38,810,451
Plant B-2, p1	1	1	-	-	(1)	1	-	(1)	-
Dif									

(\*) Corrected E-5  
 (\*\*) Corrected B-2, p2

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5  
6

7 **BEFORE THE ARIZONA CORPORATION COMMISSION**

8 IN THE MATTER OF THE  
9 APPLICATION OF ARIZONA-  
AMERICAN WATER COMPANY, AN ARIZONA CORPORATION, FOR A DETERMINATION OF THE  
10 CURRENT FAIR VALUE OF ITS  
11 UTILITY PLANT AND PROPERTY  
12 AND FOR INCREASES IN ITS RATES  
AND CHARGES BASED THEREON  
13 FOR UTILITY SERVICE BY ITS  
MOHAVE WATER AND HAVASU  
14 WATER DISTRICTS.

DOCKET NO. WS-01303A-02-0869

15  
16  
17  
18 **SUPPLEMENT TO DIRECT TESTIMONY OF**  
19 **RONALD KOZOMAN, CPA**  
20  
21  
22  
23  
24  
25  
26

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**Page**

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II. CAUSE OF INSUFFICIENCY: MOHAVE WATER AND HAVASU  
WATER NO. 1 ..... 1  
III. CAUSE OF SUFFICIENCY: MOHAVE WATER NO. 9 ..... 5

1374591.1

1 **I. INTRODUCTION**

2 **Q. WHAT IS THE PURPOSE OF THIS SUPPLEMENT TO YOUR DIRECT**  
3 **TESTIMONY?**

4 A. The purpose of this supplemental testimony is to respond to Staff's List of Items  
5 Causing the Filing to be Insufficient dated December 23, 2002 ("Staff  
6 Insufficiency Finding"). In addition, the Company is concurrently filing  
7 supplements to the direct testimony of David P. Stephenson and Thomas Bourassa  
8 in response to the Staff Insufficiency Finding.

9 **Q. HOW WILL YOUR SUPPLEMENTAL TESTIMONY BE ORGANIZED?**

10 A. In this testimony, I address Staff's expressed concerns over the application for the  
11 Mohave water district and the Havasu water district. Specifically, I address two of  
12 the reasons Staff has concluded that the filings for these two districts are  
13 insufficient and those reasons are identified consistent with the numbering in the  
14 Staff Insufficiency Finding. Those items in the Staff Insufficiency Finding not  
15 covered in my supplemental testimony are addressed by either Mr. Stephenson or  
16 Mr. Bourassa.

17 **Q. HAVE YOU MADE ANY CHANGES AS A RESULT OF STAFF'S**  
18 **FINDINGS?**

19 A. Yes, and where appropriate revised schedules are attached hereto at Tab A. I wish  
20 to point out, however, that none of the changes affect the plant in service, rate  
21 base, and/or the revenue requirement in this case.

22 **II. CAUSE OF INSUFFICIENCY: MOHAVE WATER AND HAVASU**  
23 **WATER NO. 1**

24 **Q. MR. KOZOMAN, ARE THE BILL COUNT REVENUES AND THE BOOK**  
25 **REVENUES FOR MOHAVE AND HAVASU WATER DISTRICTS**  
26 **DIFFERENT?**

1 A. There is a very small difference in the case of these two water districts. The bill  
2 count for Mohave Water differs from the booked revenues of \$4,394,133 by  
3 \$48,141, a difference of 1.095%. For Havasu Water, the bill count differs from  
4 the booked revenues of \$440,924 by \$6,311, a difference of 1.431%

5 **Q. ARE THE REVENUES FROM THE BILL COUNT ALWAYS EQUAL TO**  
6 **THE BOOK REVENUES?**

7 A. No. In fact, they are very rarely equal to book revenues for several different  
8 reasons. First, the rate books used to confirm the revenues from the bill count  
9 typically compute revenues based on the midpoint of a usage range. For example,  
10 7,500 gallons is the midpoint of the usage range between 7,000 gallons and 7,999  
11 gallons. In contrast, book revenues may be based on bills that are computed on  
12 actual use. Second, the billing system used may not pick up billing adjustments in  
13 the same period as the original bill or billing adjustments may not be entered into  
14 the billing system. That is, a billing adjustment may actually be made in, for  
15 example, June, but it is not reflected in the billing system until July. Or, the billing  
16 adjustments may not be contained in the billing system, but instead made as a  
17 journal entry in the general ledger, which either reduces or increases revenue. All  
18 of these accounting practices are acceptable, but still result in discrepancies  
19 between bill count revenues and book revenues.

20 **Q. WHAT WAS THE ACCEPTED TOLERANCE (DIFFERENCE TO THE**  
21 **BOOK REVENUE) THE COMPANY UTILIZED?**

22 A. To insure the bill count data generated an acceptable level of revenues, a tolerance  
23 of 0.5 percent was used. In my experience, this is well within Staff's accepted  
24 tolerance level.

25 **Q. IF THE COMPANY UTILIZED SUCH A TOLERANCE LEVEL, WHY IS**  
26 **THE MISMATCH EXCEED THAT LEVEL?**

1 A. The bill count data used to prepare the filing for these two water districts was  
2 obtained from the former owners of these systems, Citizens Communications Co.  
3 (“Citizens”). In those instances where the bill count revenues matched the general  
4 ledger revenues within the 0.5% tolerance level, no further analysis of the  
5 “Citizens data” was conducted. On the other hand, where the bill count revenues  
6 did not match the general ledger revenues within the 0.5% tolerance level, then  
7 additional analysis of the Citizens’ data was conducted. For the Mohave and  
8 Havasu water districts, the bill counts revenues did match the general ledger  
9 revenues within the 0.5% tolerance level. Thus, no further queries were made on  
10 the data.

11 During its sufficiency review, Staff noted that the present revenues for the  
12 Mohave water and Havasu water districts did not compute to the revenues shown  
13 on Schedule H-1.

14 **Q. DO YOU AGREE?**

15 A. Yes. For the Mohave water district, we found two problems in the bill count. The  
16 first problem was caused by the wrong rates in the 2 inch Commercial Summary,  
17 as shown on Schedule H-4, page 92. Schedule H-4, page 92 reflects a present  
18 monthly minimum of \$8.65, rather than \$30.00, the correct monthly minimum for  
19 such customers. The proposed monthly minimum should be \$34.14, and not  
20 \$28.45 as shown on Schedule H-4, page 92. As a result, the correct revenues at  
21 present rates should have been \$355,657, rather than the \$313,940 for the 2 inch  
22 Commercial Summary previously shown on line 22 of Schedule H-4, page 92 for  
23 the Mohave water district.

24 The second problem with the bill count was that the 5/8 inch Residential  
25 Summary bill count (Schedule H-5, page 1) included the wrong billing  
26 coordinates. Rather than 0 to 0 for the first billing coordinate, the billing

1 coordinates on Schedule H-5, page 1, were 0 to 1,000 (all the other Mohave water  
2 district bill counts used 0 to 0). The next billing coordinates on the 5/8 inch  
3 Residential Summary bill count were 1,001 to 2,000, and 2,001 to 3,000 etc.  
4 (rather than 1,000 to 1,000, and 2,000 to 2,000 as contained on all the other  
5 Mohave water district bill counts). The supporting 5/8 inch residential revenue bill  
6 counts (Schedules H-4 and H-5, pages 1.1 through 1.3) had the correct billing  
7 coordinates. Thus, the Residential 5/8 inch Summary resulted in more revenue than  
8 actually generated from the individual bill counts, which are summarized on  
9 Schedule H-5. Thus, rather than the correct \$2,648,370 in revenue at present rates,  
10 the H-1 Schedule, line 1, contained \$2,738,229 for the 5/8 inch Residential  
11 Summary.

12 **Q. WHAT WAS THE PROBLEM WITH THE HAVASU WATER DISTRICT?**

13 A. The problem for Havasu Water was that the winter rates were not correctly  
14 reflected in the present revenue calculations. Instead, the equation for the  
15 revenues at present rates used the higher summer commodity rate of \$1.42 rather  
16 than the correct winter commodity rate of \$1.31.

17 **Q. HOW HAVE YOU CORRECTED THE BILL COUNT SCHEDULES FOR**  
18 **MOHAVE WATER AND HAVASU WATER TO REFLECT THE**  
19 **CORRECTED PRESENT AND PROPOSED REVENUES?**

20 A. A line at the bottom of the Revised Schedule H-1 has been included to show the  
21 difference in revenues at present and proposed rates, to account for the difference  
22 in revenues. This additional line reconciles the bill count to the general ledger  
23 revenues. At proposed rates, the balancing revenue, at present rates, is multiplied  
24 by the percentage rate increase requested to derive the proposed revenue  
25  
26

1 I am also submitting Revised Schedule H-2, pages 1 and 3 and Revised  
2 Schedule H-4 for the Summary 2 inch commercial and Summary 5/8 residential  
3 customers for Mohave water.

4 No other H Schedules need to be revised for the Havasu water district.

5 **Q. IS THE COMPANY PROPOSING TO CHANGE THE PROPOSED**  
6 **RATES?**

7 A. No. Because these calculation errors inure to the benefit of the Company's  
8 ratepayers, Arizona-American is not proposing further revenue increases. Instead,  
9 the Company will simply ask for the rates sought in its original filing.

10 **Q. DO THE COMPANY'S PRESENT REVENUES MATCH THE STAFF**  
11 **COMPUTED REVENUES FOR THESE TWO DISTRICTS?**

12 A. Yes, with the above-discussed changes, the present revenue now matches the  
13 Staff's revenue.

14 **III. CAUSE OF SUFFICIENCY: MOHAVE WATER NO. 9**

15 **Q. STAFF ALSO CLAIMS THAT THE CERTAIN "H" SCHEDULES ARE**  
16 **MISSING PRESENT AND PROPOSED RATES. WHAT HAS THE**  
17 **COMPANY DONE TO RESPOND TO THIS FINDING?**

18 A. For the Mohave water district Staff found that Schedule H-4, pages 18, 19, 36, 44,  
19 54, 55, 56, 62 and 94 failed to include the present and proposed rates. Schedules  
20 correcting this are attached hereto at Tab A.

21 **Q. DO ANY OF YOUR CHANGES AFFECT THE PRESENT OR PROPOSED**  
22 **RATES AS REFLECTED ON THE COMPANY'S SCHEDULE H-3?**

23 A. No.

24 **Q. DOES THAT CONCLUDE YOUR SUPPLEMENTAL TESTIMONY?**

25 A. Yes.

26

A

**Arizona American / Revenues Per C-1 and H-1  
Comparison of Revenues Per Schedule C-1 and Schedule H-1  
Docket No. WS01303A-02-0867 through WS01303A-02-0870**

Exhibit  
Schedule 1  
Page 1  
Witness: Kozoman

	C-1	H-1	H-1	H-1	Difference	Difference	Difference	Difference
	Schedule	Schedule	Schedule	Schedule	in Dollars	in Dollars	in Percent	in Percent
	Adjusted	Proposed	Present	Proposed	Present	Proposed	Present	Proposed
	Present	Revenues	Revenues	Revenues	Revenues	Revenues	Revenues	Revenues
<b>Agua Fria Water</b>								
Other Revenue	5,846,076	6,263,965	5,843,506	6,261,396	2,570	2,569	0.044%	0.041%
Total Revenues	339,961	339,961	339,961	339,961	-	-		
	6,186,037	6,603,926	6,183,467	6,601,357	2,570	2,569	0.042%	0.039%
<b>Anthem Water (Distco)</b>								
Other Revenue	2,060,418	2,359,500	2,056,021	2,355,103	4,397	4,397	0.213%	0.186%
Total Revenues	1,950,387	1,950,387	1,950,387	1,950,387	-	-		
	4,010,805	4,309,887	4,006,408	4,305,490	4,397	4,397	0.110%	0.102%
<b>Anthem / Agua Fria Wastewater</b>								
Other Revenue	880,474	1,319,463	877,116	1,316,104	3,358	3,359	0.381%	0.255%
Total Revenues	986,072	986,072	986,072	986,072	-	-		
	1,866,546	2,305,535	1,863,188	2,302,176	3,358	3,359	0.180%	0.146%
<b>Havasu Water</b>								
Balancing Revenue	430,392	627,376	424,081	618,157	-	(1)	0.000%	0.000%
Other Revenue	10,532	10,532	6,311	9,220	-	-		
Total Revenues	440,924	637,908	440,924	637,909	-	(1)	0.000%	0.000%
<b>Mohave Water</b>								
Balancing Revenue	4,285,427	4,869,437	4,237,286	4,814,653	-	-	0.000%	0.000%
Other Revenue	108,705	108,705	48,141	54,784	-	-		
Total Revenues	4,394,132	4,978,142	4,394,132	4,978,142	-	-	0.000%	0.000%
<b>Sun City Water</b>								
Other Revenue	6,079,671	11,446,038	6,065,944	11,432,312	13,727	13,726	0.226%	0.120%
Total Revenues	113,419	113,419	113,419	113,419	-	-		
	6,193,090	11,559,457	6,179,363	11,545,731	13,727	13,726	0.222%	0.119%
<b>Sun City Wastewater</b>								
Other Revenue	5,085,481	5,721,717	5,085,003	5,721,239	478	478	0.009%	0.008%
Total Revenues	2,859	2,859	2,859	2,859	-	-		
	5,088,340	5,724,576	5,087,862	5,724,098	478	478	0.009%	0.008%
<b>Sun City West Water</b>								
Other Revenue	3,343,134	4,822,758	3,328,089	4,807,533	15,045	15,225	0.450%	0.316%
Total Revenues	37,640	37,640	37,640	37,640	-	-		
	3,380,774	4,860,398	3,365,729	4,845,173	15,045	15,225	0.445%	0.313%
<b>Sun City West Wastewater</b>								
Other Revenue	3,534,678	5,498,302	3,530,475	5,493,532	4,203	4,770	0.119%	0.087%
Total Revenues	1,002	1,002	1,002	1,002	-	-		
	3,535,680	5,499,304	3,531,477	5,494,534	4,203	4,770	0.119%	0.087%

**Arizona / American Mohave Water**  
Revenue Summary  
**At Present and Proposed Rates**

Exhibit  
Schedule H-1  
Page 1  
Witness: Kozoman

Line No.	Customer Classification and/or Meter Size	Present Revenues	Proposed Revenues	Dollar Change	Percent Change	Revised	
						Percent of Present Water Revenues	Percent of Proposed Water Revenues
1							
2							
3	Residential 5/8 Inch	\$ 2,648,370	\$ 3,009,277	360,907	13.63%	60.90%	61.08%
4	Residential 1 Inch	15,626	17,752	2,127	13.61%	0.36%	0.36%
5	Residential 1.5 Inch	-	-	-			
6	Residential 2 Inch	14,500	16,470	1,970	13.58%	0.33%	0.33%
7							
8	Residential Multi-family 5/8 Inch	94,231	107,111	12,880	13.67%	2.17%	2.17%
9	Residential Multi-family 1 Inch	44,888	51,020	6,132	13.66%	1.03%	1.04%
10	Residential Multi-family 1.5 Inch	16,223	18,449	2,226	13.72%	0.37%	0.37%
11	Residential Multi-family 2 Inch	248,296	282,265	33,969	13.68%	5.71%	5.73%
12	Residential Multi-family 4 Inch	17,645	20,057	2,412	13.67%	0.41%	0.41%
13	Residential Multi-family 6 Inch	162,922	185,235	22,313	13.70%	3.75%	3.76%
14							
15	Rio Water Residential 5/8 Inch	80,529	91,595	11,067	13.74%	1.85%	1.86%
16	Rio Water Residential 1 Inch	26	30	4	13.74%	0.00%	0.00%
17	Rio Water Residential 2 Inch	74	84	10	13.74%	0.00%	0.00%
18							
19	Commercial 5/8 Inch	125,418	142,462	17,044	13.59%	2.88%	2.89%
20	Commercial 1 Inch	90,568	102,877	12,309	13.59%	2.08%	2.09%
21	Commercial 1.5 Inch	28,828	32,737	3,909	13.56%	0.66%	0.66%
22	Commercial 2 Inch	355,657	403,887	48,230	13.56%	8.18%	8.20%
23	Commercial 3 Inch	51,990	59,047	7,057	13.57%	1.20%	1.20%
24							
25	Commercial Multi-Unit 5/8 Inch	16,427	18,669	2,242	13.65%	0.38%	0.38%
26	Commercial Multi-Unit 1 Inch	3,014	3,427	413	13.70%	0.07%	0.07%
27	Commercial Multi-Unit 1.5 Inch	2,619	2,974	355	13.56%	0.06%	0.06%
28	Commercial Multi-Unit 2 Inch	9,383	10,660	1,277	13.61%	0.22%	0.22%
29							
30	Public Authority 58 Inch	4,450	5,058	608	13.67%	0.10%	0.10%
31	Public Authority 1 Inch	5,109	5,803	694	13.59%	0.12%	0.12%
32	Public Authority 1.5 Inch	3,877	4,405	528	13.62%	0.09%	0.09%
33	Public Authority 2 Inch	61,130	69,429	8,299	13.58%	1.41%	1.41%
34	Public Authority 3 Inch	15,446	17,535	2,089	13.53%	0.36%	0.36%
35	Public Authority 4 Inch	19,712	22,379	2,667	13.53%	0.45%	0.45%
36	Public Authority 6 Inch	33,295	37,801	4,506	13.53%	0.77%	0.77%
37							
38	Private Fire 2 Inch	264	300	36	13.67%	0.01%	0.01%
39	Private Fire 4 Inch	4,554	5,184	630	13.83%	0.10%	0.11%
40	Private Fire 6 Inch	1,539	1,751	212	13.78%	0.04%	0.04%
41	Private Fire 8 Inch	588	669	81	13.83%	0.01%	0.01%
42	Private Fire 10 Inch	180	205	25	13.80%	0.00%	0.00%
43	Private Fire Hydrant	14,489	16,480	1,991	13.74%	0.33%	0.33%
44	Miscellaneous Revenues	108,705	108,705		0.00%	2.50%	2.21%
45	Difference Between Bill Count Rev. & G/L Rev.	48,141	54,784	6,643	13.80%	1.11%	1.11%
46	<b>Subtotal of Water Revenues</b>	<b>\$ 4,348,715</b>	<b>\$ 4,926,576</b>	<b>\$ 577,860</b>	<b>13.29%</b>	<b>98.89%</b>	<b>98.89%</b>
47							

**Arizona / American Mohave Water**  
**Revenue Summary**  
**Revenue Annualizations At Present and Proposed Rates**

Exhibit  
Schedule H-1  
Page 2  
Witness: Kozoman  
**Revised**

<u>Line No.</u>		<u>Present Revenues</u>	<u>Proposed Revenues</u>	<u>Dollar Change</u>	<u>Percent Change</u>	<u>Bills to be Issued</u>	<u>Additional Gallons to be Produced in 1,000's</u>
1	Residential 5/8 Inch	49,762	56,543	6,781	13.63%	2,662	19,964
2	Residential 1 Inch	1,073	1,219	146	13.61%	24	507
3	Residential 1.5 Inch						
4	Residential 2 Inch	(1,244)	(1,413)	(169)	13.60%	(12)	(748)
5							
6	Residential Multi-family 5/8 Inch	(1,693)	(1,923)	(230)	13.58%	(9)	(515)
7	Residential Multi-family 1 Inch	57	65	8	13.62%	1	5
8	Residential Multi-family 1.5 Inch	(277)	(315)	(38)	13.76%	(8)	-
9	Residential Multi-family 2 Inch	(13,893)	(15,799)	(1,907)	13.72%	15	(1,854)
10	Residential Multi-family 4 Inch	-	-			-	-
11	Residential Multi-family 6 Inch	(10,652)	(12,121)	(1,469)	13.79%	(9)	493
12							
13	Rio Water Residential 5/8 Inch	2,721	3,094	374	13.74%	111	1,326
14	Rio Water Residential 1 Inch	287	327	39	13.74%	11	138
15	Rio Water Residential 2 Inch	212	241	29	13.74%	9	99
16							
17	Commercial 5/8 Inch	2,096	2,381	285	13.59%	78	1,038
18	Commercial 1 Inch	3,184	3,617	433	13.59%	60	1,603
19	Commercial 1.5 Inch	-	-			-	-
20	Commercial 2 Inch	10,608	12,047	1,439	13.56%	62	5,973
21	Commercial 3 Inch	2,711	3,079	368	13.58%	10	1,436
22							
23	Commercial Multi-Unit 5/8 Inch	3,966	4,504	538	13.57%	6	2,185
24	Commercial Multi-Unit 1 Inch	42	48	6	13.71%	1	9
25	Commercial Multi-Unit 1.5 Inch	-	-			-	-
26	Commercial Multi-Unit 2 Inch	(2,842)	(3,231)	(389)	13.68%	(8)	(688)
27							
28	Public Authority 5/8 Inch						
29	Public Authority 1 Inch	45	51	6	13.61%	1	21
30	Public Authority 1.5 Inch						
31	Public Authority 2 Inch	(977)	(1,109)	(132)	13.57%	(6)	(0.23)
32	Public Authority 3 Inch						
33	Public Authority 4 Inch	(18)	(20)	(2)	13.83%	(3)	-
34	Public Authority 6 Inch						
35							
36	Private Fire 2 Inch	132	150	18	13.67%	44	-
37	Private Fire 4 Inch						
38	Private Fire 6 Inch	81	92	11	13.78%	9	-
39	Private Fire 8 Inch	132	150	18	13.83%	11	-
40	Private Fire 10 Inch						
41	Private Fire Hydrant	(95)	(108)	(13)	13.74%	(12)	
42	Total Revenue Annualization	45,417	51,566	6,149	13.54%	3,048	30,993
43	Revenues from Page 1	4,348,715	4,926,576	577,860	13.29%		
44	Totals	4,394,133	4,978,142	584,010	13.29%	3,048	30,993

**Arizona / American Mohave Water**  
 Analysis of Revenue by Detailed Class  
 At Present and Proposed Rates

Exhibit  
 Schedule H-2  
 Page 1  
 Witness: Kozoman  
**Revised**

Line No.	Customer Classification and/or Meter Size	Average Number of Customers at		Number of Units at 12/31/01	Average Consumption Per Customer	Revenues Per Customer		Revenues Per Unit		Proposed Increase	
		12/31/01	12/31/01			Present Rates	Proposed Rates	Present Rates	Proposed Rates	Dollar Amount	Percent Amount
1											
2											
3	Residential 5/8 Inch	11,933		11,933	7,500	18.27	20.76	18.27	20.76	2.49	13.63%
4	Residential 1 Inch	29		29	21,141	88.42	100.46	88.42	100.46	12.04	13.61%
5	Residential 1.5 Inch										
6	Residential 2 Inch	10		10	62,308	120.74	137.14	120.74	137.14	16.40	13.58%
7											
8	Residential Multi-family 5/8 Inch	89		578	27,603	87.52	99.49	13.45	15.28	11.96	13.67%
9	Residential Multi-family 1 Inch	38		262	33,048	98.49	111.95	14.27	16.22	13.46	13.66%
10	Residential Multi-family 1.5 Inch	4		133	71,750	366.69	417.01	10.13	11.53	50.32	13.72%
11	Residential Multi-family 2 Inch	108		1,641	53,220	189.71	215.67	12.46	14.17	25.96	13.68%
12	Residential Multi-family 4 Inch	2		107	216,583	731.83	831.85	13.68	15.55	100.02	13.67%
13	Residential Multi-family 6 Inch	1		757	1,920,929	7,008.36	7,968.12	11.78	13.39	959.76	13.69%
14											
15	Rio Water Residential 5/8 Inch	264		264	11,942	25.15	28.60	25.15	28.60	3.46	13.74%
16	Rio Water Residential 1 Inch	0		0	12,501	26.13	29.72	26.13	29.72	3.59	13.74%
17	Rio Water Residential 2 Inch	0		0	11,000	23.50	26.73	23.50	26.73	3.23	13.74%
18											
19	Commercial 5/8 Inch	378		378	13,691	27.43	31.16	27.43	31.16	3.73	13.59%
20	Commercial 1 Inch	135		135	28,529	55.74	63.32	55.74	63.32	7.58	13.59%
21	Commercial 1.5 Inch	16		16	85,344	149.83	170.15	149.83	170.15	20.32	13.56%
22	Commercial 2 Inch	163		163	103,576	181.81	206.47	181.81	206.47	24.66	13.56%
23	Commercial 3 Inch	15		15	153,110	285.12	323.82	285.12	323.82	38.70	13.57%
24											
25	Commercial Multi-Unit 5/8 Inch	20		86	25,526	69.33	78.79	15.81	17.97	9.46	13.65%
26	Commercial Multi-Unit 1 Inch	5		22	12,339	49.86	56.69	11.31	12.86	6.83	13.70%
27	Commercial Multi-Unit 1.5 Inch	1		5	123,250	218.26	247.86	43.65	49.57	29.60	13.56%
28	Commercial Multi-Unit 2 Inch	3		37	126,781	293.04	332.93	21.41	24.32	39.89	13.61%
29											
30	Public Authority 5/8 Inch	27		27	3,731	12.69	14.43	12.69	14.43	1.74	13.68%
31	Public Authority 1 Inch	8		8	27,158	53.71	61.02	53.71	61.02	7.30	13.59%
32	Public Authority 1.5 Inch	5		5	27,767	64.61	73.42	64.61	73.42	8.80	13.62%
33	Public Authority 2 Inch	37		37	74,826	139.26	158.17	139.26	158.17	18.91	13.58%
34	Public Authority 3 Inch	1		1	830,167	1,287.17	1,461.28	1,287.17	1,461.28	174.11	13.53%
35	Public Authority 4 Inch	1		1	1,050,083	1,642.64	1,864.88	1,642.64	1,864.88	222.24	13.53%
36	Public Authority 6 Inch	1		1	1,740,583	2,774.58	3,150.10	2,774.58	3,150.10	375.52	13.53%
37											
38	Private Fire 2 Inch	7		7	-	-	-	-	-	-	0.00%
39	Private Fire 4 Inch	63		63	-	-	-	-	-	-	0.00%
40	Private Fire 6 Inch	14		14	-	-	-	-	-	-	0.00%
41	Private Fire 8 Inch	4		4	-	-	-	-	-	-	0.00%
42	Private Fire 10 Inch	1		1	-	-	-	-	-	-	0.00%
43	Private Fire Hydrant	158		158	-	-	-	-	-	-	0.00%
44											
45											
46											
47	Subtotal	13,539		16,896							
48											
49	Actual Year End Number of Customers:	13,795		17,315							
50											
51											
52											

(a) Average number of customers of less than one (1), indicates that less than 12 bills were issued during the year.

Meter Classification	Month							
	of Jan-01	of Feb-01	of Mar-01	of Apr-01	of May-01	of Jun-01	of Jul-01	of Jul-01
Residential 5/8 Inch	71,007	64,901	61,235	74,736	90,752	114,415	118,607	118,607
Residential 1 Inch	409	316	264	358	549	857	925	925
Residential 1.5 Inch	-	-	-	-	-	-	-	-
Residential 2 Inch	786	357	263	402	510	604	781	781
Residential Multi-family 5/8 Inch	2,721	2,584	1,851	2,452	2,515	2,681	2,534	2,534
Residential Multi-family 1 Inch	1,020	1,116	1,100	1,116	1,208	1,472	1,542	1,542
Residential Multi-family 1.5 Inch	197	139	296	283	190	217	220	220
Residential Multi-family 2 Inch	5,063	5,076	4,209	6,101	5,060	6,351	6,808	6,808
Residential Multi-family 4 Inch	333	245	104	399	130	1,114	680	680
Residential Multi-family 6 Inch	1,470	1,499	278	1,028	3,850	4,031	3,167	3,167
Rio Water Residential 5/8 Inch	2,405	2,007	2,308	2,459	2,989	4,441	4,540	4,540
Rio Water Residential 1 Inch	-	-	-	-	-	-	-	-
Rio Water Residential 2 Inch	-	-	-	-	-	-	-	-
Commercial 5/8 Inch	4,787	4,274	4,306	4,497	5,142	5,649	5,793	5,793
Commercial 1 Inch	3,396	3,132	2,559	3,303	3,733	4,389	4,665	4,665
Commercial 1.5 Inch	1,265	1,162	999	1,338	1,404	1,311	1,796	1,796
Commercial 2 Inch	13,687	13,796	11,846	14,479	17,343	19,860	22,343	22,343
Commercial 3 Inch	1,683	2,819	658	1,189	1,332	2,185	1,512	1,512
Commercial Multi-Unit 5/8 Inch	321	369	291	369	293	353	705	705
Commercial Multi-Unit 1 Inch	52	49	46	53	87	57	70	70
Commercial Multi-Unit 1.5 Inch	109	202	56	85	82	134	138	138
Commercial Multi-Unit 2 Inch	212	278	198	179	180	307	257	257
Public Authority 58 Inch	90	47	20	36	54	65	203	203
Public Authority 1 Inch	182	184	147	200	227	264	316	316
Public Authority 1.5 Inch	49	74	82	70	182	167	163	163
Public Authority 2 Inch	1,872	1,986	1,516	2,243	2,561	3,665	3,606	3,606
Public Authority 3 Inch	90	23	161	569	621	1,169	775	775
Public Authority 4 Inch	60	221	516	754	1,517	1,770	1,741	1,741
Public Authority 6 Inch	782	788	1,059	1,240	2,179	2,937	3,275	3,275
Private Fire 2 Inch	-	-	-	-	-	-	-	-
Private Fire 4 Inch	-	-	-	-	-	-	-	-
Private Fire 6 Inch	-	-	-	-	-	-	-	-
Private Fire 8 Inch	-	-	-	-	-	-	-	-
Private Fire 10 Inch	-	-	-	-	-	-	-	-
Private Fire Hydrant	-	-	-	-	-	-	-	-
Actual Gallons Sold	114,048	107,644	96,368	119,938	144,690	180,465	187,162	187,162

Meter Classification	Month of Aug-01	Month of Sep-01	Month of Oct-01	Month of Nov-01	Month of Dec-01	Total Year	Percent of Total Water Usage
Residential 5/8 Inch	103,415	106,883	102,019	90,529	75,455	1,073,954	61.88%
Residential 1 Inch	920	930	814	571	444	7,357	0.42%
Residential 1.5 Inch	-	-	-	-	-	-	0.00%
Residential 2 Inch	836	1,074	816	568	480	7,477	0.43%
Residential Multi-family 5/8 Inch	2,421	2,665	2,477	2,399	2,097	29,397	1.69%
Residential Multi-family 1 Inch	1,379	1,439	1,294	1,274	1,077	15,037	0.87%
Residential Multi-family 1.5 Inch	238	284	366	368	359	3,157	0.18%
Residential Multi-family 2 Inch	6,483	6,844	5,748	5,739	5,332	68,814	3.97%
Residential Multi-family 4 Inch	364	404	874	320	231	5,198	0.30%
Residential Multi-family 6 Inch	2,849	2,397	3,021	8,669	6,241	38,500	2.22%
Rio Water Residential 5/8 Inch	3,294	3,658	3,768	3,497	2,431	37,797	2.18%
Rio Water Residential 1 Inch	-	-	-	-	13	13	0.00%
Rio Water Residential 2 Inch	-	-	-	12	21	33	0.00%
Commercial 5/8 Inch	5,330	5,699	5,606	5,666	5,272	62,021	3.57%
Commercial 1 Inch	4,247	4,333	4,814	4,235	3,411	46,217	2.66%
Commercial 1.5 Inch	1,666	1,598	1,341	1,192	1,314	16,386	0.94%
Commercial 2 Inch	17,625	20,298	19,183	17,846	14,081	202,387	11.66%
Commercial 3 Inch	3,351	1,324	4,142	5,184	2,487	27,866	1.61%
Commercial Multi-Unit 5/8 Inch	683	681	645	638	625	5,973	0.34%
Commercial Multi-Unit 1 Inch	59	71	50	56	78	728	0.04%
Commercial Multi-Unit 1.5 Inch	160	198	135	103	77	1,479	0.09%
Commercial Multi-Unit 2 Inch	361	660	550	464	411	4,057	0.23%
Public Authority 5/8 Inch	113	199	136	132	114	1,209	0.07%
Public Authority 1 Inch	247	220	266	186	141	2,580	0.15%
Public Authority 1.5 Inch	142	301	188	178	70	1,666	0.10%
Public Authority 2 Inch	3,134	3,940	3,523	2,646	2,082	32,774	1.89%
Public Authority 3 Inch	1,630	1,059	1,362	757	1,746	9,962	0.57%
Public Authority 4 Inch	1,384	1,379	1,865	1,036	358	12,601	0.73%
Public Authority 6 Inch	2,050	2,286	2,328	1,055	908	20,887	1.20%
Private Fire 2 Inch	-	-	-	-	-	-	0.00%
Private Fire 4 Inch	-	-	-	-	-	-	0.00%
Private Fire 6 Inch	-	-	-	-	-	-	0.00%
Private Fire 8 Inch	-	-	-	-	-	-	0.00%
Private Fire 10 Inch	-	-	-	-	-	-	0.00%
Private Fire Hydrant	-	-	-	-	-	-	0.00%
<b>Total Water Actually Sold</b>	<b>164,381</b>	<b>170,824</b>	<b>167,331</b>	<b>155,320</b>	<b>127,356</b>	<b>1,735,527</b>	<b>100.00%</b>

Usage	Present Bill	Proposed Bill	Dollar Increase	Percent Increase
-	\$ 8.65	\$ 9.84	\$ 1.19	13.76%
1,000	8.65	9.84	\$ 1.19	13.76%
2,000	10.13	11.52	\$ 1.39	13.72%
3,000	11.61	13.20	\$ 1.59	13.70%
4,000	13.09	14.88	\$ 1.79	13.67%
5,000	14.57	16.56	\$ 1.99	13.66%
6,000	16.05	18.24	\$ 2.19	13.64%
7,000	17.53	19.92	\$ 2.39	13.63%
8,000	19.01	21.60	\$ 2.59	13.62%
9,000	20.49	23.28	\$ 2.79	13.62%
10,000	21.97	24.96	\$ 2.99	13.61%
11,000	23.45	26.64	\$ 3.19	13.60%
12,000	24.93	28.32	\$ 3.39	13.60%
13,000	26.41	30.00	\$ 3.59	13.59%
14,000	27.89	31.68	\$ 3.79	13.59%
15,000	29.37	33.36	\$ 3.99	13.59%
16,000	30.85	35.04	\$ 4.19	13.58%
17,000	32.33	36.72	\$ 4.39	13.58%
18,000	33.81	38.40	\$ 4.59	13.58%
19,000	35.29	40.08	\$ 4.79	13.57%
20,000	36.77	41.76	\$ 4.99	13.57%
21,000	38.25	43.44	\$ 5.19	13.57%
22,000	39.73	45.12	\$ 5.39	13.57%
23,000	41.21	46.80	\$ 5.59	13.56%
24,000	42.69	48.48	\$ 5.79	13.56%
25,000	44.17	50.16	\$ 5.99	13.56%
26,000	45.65	51.84	\$ 6.19	13.56%
27,000	47.13	53.52	\$ 6.39	13.56%
28,000	48.61	55.20	\$ 6.59	13.56%
29,000	50.09	56.88	\$ 6.79	13.56%
30,000	51.57	58.56	\$ 6.99	13.55%
31,000	53.05	60.24	\$ 7.19	13.55%
32,000	54.53	61.92	\$ 7.39	13.55%
33,000	56.01	63.60	\$ 7.59	13.55%
34,000	57.49	65.28	\$ 7.79	13.55%
35,000	58.97	66.96	\$ 7.99	13.55%
36,000	60.45	68.64	\$ 8.19	13.55%
37,000	61.93	70.32	\$ 8.39	13.55%
38,000	63.41	72.00	\$ 8.59	13.55%
39,000	64.89	73.68	\$ 8.79	13.55%
Average Usage				
7,500	\$ 18.27	\$ 20.76	\$ 2.49	13.63%
Median Usage				
7,000	\$ 17.53	\$ 19.92	\$ 2.39	13.63%

**Present Rates:**

Monthly Minimum:	\$ 8.65
Gallons in Minimum	1,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.48
Up to 999,999,999	\$ 1.48
Over 999,999,999	\$ 1.48
	\$ 1.48

**Proposed Rates:**

Monthly Minimum:	\$ 9.84
Gallons in Minimum	1,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.68
Up to 999,999,999	\$ 1.68
Over -	\$ 1.68
	\$ 1.68

<u>Usage</u>	<u>Present Bill</u>	<u>Proposed Bill</u>	<u>Dollar Increase</u>	<u>Percent Increase</u>
-	\$ 519.00	\$ 590.40	\$ 71.40	13.76%
1,000	519.00	590.40	\$ 71.40	13.76%
2,000	519.00	590.40	\$ 71.40	13.76%
3,000	519.00	590.40	\$ 71.40	13.76%
4,000	519.00	590.40	\$ 71.40	13.76%
5,000	519.00	590.40	\$ 71.40	13.76%
6,000	519.00	590.40	\$ 71.40	13.76%
7,000	519.00	590.40	\$ 71.40	13.76%
8,000	519.00	590.40	\$ 71.40	13.76%
9,000	519.00	590.40	\$ 71.40	13.76%
10,000	519.00	590.40	\$ 71.40	13.76%
11,000	519.00	590.40	\$ 71.40	13.76%
12,000	519.00	590.40	\$ 71.40	13.76%
13,000	519.00	590.40	\$ 71.40	13.76%
14,000	519.00	590.40	\$ 71.40	13.76%
15,000	519.00	590.40	\$ 71.40	13.76%
16,000	519.00	590.40	\$ 71.40	13.76%
17,000	519.00	590.40	\$ 71.40	13.76%
18,000	519.00	590.40	\$ 71.40	13.76%
19,000	519.00	590.40	\$ 71.40	13.76%
20,000	519.00	590.40	\$ 71.40	13.76%
162,000	669.96	761.76	\$ 91.80	13.70%
159,000	665.52	756.72	\$ 91.20	13.70%
146,000	646.28	734.88	\$ 88.60	13.71%
172,000	684.76	778.56	\$ 93.80	13.70%
225,000	763.20	867.60	\$ 104.40	13.68%
176,000	690.68	785.28	\$ 94.60	13.70%
174,000	687.72	781.92	\$ 94.20	13.70%
287,000	854.96	971.76	\$ 116.80	13.66%
223,000	760.24	864.24	\$ 104.00	13.68%
178,000	693.64	788.64	\$ 95.00	13.70%
157,000	662.56	753.36	\$ 90.80	13.70%
Average Usage				
183,750	\$ 702.15	\$ 798.30	\$ 96.15	13.69%
Median Usage				
7,000	\$ 519.00	\$ 590.40	\$ 71.40	13.76%

Units 60

**Present Rates:**

Monthly Minimum:	\$ 519.00
Gallons in Minimum	60,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.48
Up to 999,999,999	\$ 1.48
Over 999,999,999	\$ 1.48
	\$ 1.48

**Proposed Rates:**

Monthly Minimum:	\$ 590.40
Gallons in Minimum	60,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.68
Up to 999,999,999	\$ 1.68
Over -	\$ 1.68
	\$ 1.68

<u>Usage</u>	<u>Present Bill</u>	<u>Proposed Bill</u>	<u>Dollar Increase</u>	<u>Percent Increase</u>
-	\$ 579.55	\$ 659.28	\$ 79.73	13.76%
1,000	579.55	659.28	\$ 79.73	13.76%
2,000	579.55	659.28	\$ 79.73	13.76%
3,000	579.55	659.28	\$ 79.73	13.76%
4,000	579.55	659.28	\$ 79.73	13.76%
5,000	579.55	659.28	\$ 79.73	13.76%
6,000	579.55	659.28	\$ 79.73	13.76%
7,000	579.55	659.28	\$ 79.73	13.76%
8,000	579.55	659.28	\$ 79.73	13.76%
9,000	579.55	659.28	\$ 79.73	13.76%
10,000	579.55	659.28	\$ 79.73	13.76%
11,000	579.55	659.28	\$ 79.73	13.76%
12,000	579.55	659.28	\$ 79.73	13.76%
13,000	579.55	659.28	\$ 79.73	13.76%
14,000	579.55	659.28	\$ 79.73	13.76%
15,000	579.55	659.28	\$ 79.73	13.76%
16,000	579.55	659.28	\$ 79.73	13.76%
17,000	579.55	659.28	\$ 79.73	13.76%
18,000	579.55	659.28	\$ 79.73	13.76%
350,000	998.39	1,134.72	\$ 136.33	13.65%
371,000	1,029.47	1,170.00	\$ 140.53	13.65%
320,000	953.99	1,084.32	\$ 130.33	13.66%
347,000	993.95	1,129.68	\$ 135.73	13.66%
430,000	1,116.79	1,269.12	\$ 152.33	13.64%
361,000	1,014.67	1,153.20	\$ 138.53	13.65%
331,000	970.27	1,102.80	\$ 132.53	13.66%
338,000	980.63	1,114.56	\$ 133.93	13.66%
384,000	1,048.71	1,191.84	\$ 143.13	13.65%
407,000	1,082.75	1,230.48	\$ 147.73	13.64%
272,000	882.95	1,003.68	\$ 120.73	13.67%
Average Usage				
355,545	\$ 1,006.60	\$ 1,144.04	\$ 137.44	13.65%
Median Usage				
7,000	\$ 579.55	\$ 659.28	\$ 79.73	13.76%

Units 67

**Present Rates:**

Monthly Minimum:	\$ 579.55
Gallons in Minimum	67,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.48
Up to 999,999,999	\$ 1.48
Over 999,999,999	\$ 1.48
	\$ 1.48

**Proposed Rates:**

Monthly Minimum:	\$ 659.28
Gallons in Minimum	67,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.68
Up to 999,999,999	\$ 1.68
Over -	\$ 1.68
	\$ 1.68

<u>Usage</u>	<u>Present Bill</u>	<u>Proposed Bill</u>	<u>Dollar Increase</u>	<u>Percent Increase</u>
-	\$ 51.90	\$ 59.04	\$ 7.14	13.76%
1,000	51.90	59.04	\$ 7.14	13.76%
2,000	51.90	59.04	\$ 7.14	13.76%
3,000	51.90	59.04	\$ 7.14	13.76%
4,000	51.90	59.04	\$ 7.14	13.76%
5,000	51.90	59.04	\$ 7.14	13.76%
6,000	51.90	59.04	\$ 7.14	13.76%
7,000	53.38	60.72	\$ 7.34	13.75%
8,000	54.86	62.40	\$ 7.54	13.74%
9,000	56.34	64.08	\$ 7.74	13.74%
10,000	57.82	65.76	\$ 7.94	13.73%
11,000	59.30	67.44	\$ 8.14	13.73%
12,000	60.78	69.12	\$ 8.34	13.72%
13,000	62.26	70.80	\$ 8.54	13.72%
14,000	63.74	72.48	\$ 8.74	13.71%
15,000	65.22	74.16	\$ 8.94	13.71%
16,000	66.70	75.84	\$ 9.14	13.70%
17,000	68.18	77.52	\$ 9.34	13.70%
18,000	69.66	79.20	\$ 9.54	13.70%
19,000	71.14	80.88	\$ 9.74	13.69%
20,000	72.62	82.56	\$ 9.94	13.69%
88,000	173.26	196.80	\$ 23.54	13.59%
89,000	174.74	198.48	\$ 23.74	13.59%
90,000	176.22	200.16	\$ 23.94	13.59%
91,000	177.70	201.84	\$ 24.14	13.58%
92,000	179.18	203.52	\$ 24.34	13.58%
93,000	180.66	205.20	\$ 24.54	13.58%
94,000	182.14	206.88	\$ 24.74	13.58%
95,000	183.62	208.56	\$ 24.94	13.58%
96,000	185.10	210.24	\$ 25.14	13.58%
97,000	186.58	211.92	\$ 25.34	13.58%
98,000	188.06	213.60	\$ 25.54	13.58%
99,000	189.54	215.28	\$ 25.74	13.58%
110,000	205.82	233.76	\$ 27.94	13.57%
279,000	455.94	517.68	\$ 61.74	13.54%
149,000	263.54	299.28	\$ 35.74	13.56%
126,000	229.50	260.64	\$ 31.14	13.57%
104,000	196.94	223.68	\$ 26.74	13.58%
Average Usage				
103,833	\$ 196.69	\$ 223.40	\$ 26.71	13.58%
Median Usage				
7,000	\$ 53.38	\$ 60.72	\$ 7.34	13.75%

Units = 6

**Present Rates:**

Monthly Minimum:	\$ 51.90
Gallons in Minimum	6,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.48
Up to 999,999,999	\$ 1.48
Over 999,999,999	\$ 1.48
	\$ 1.48

**Proposed Rates:**

Monthly Minimum:	\$ 59.04
Gallons in Minimum	6,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.68
Up to 999,999,999	\$ 1.68
Over -	\$ 1.68
	\$ 1.68

<u>Usage</u>	<u>Present Bill</u>	<u>Proposed Bill</u>	<u>Dollar Increase</u>	<u>Percent Increase</u>
-	\$ 138.40	\$ 157.44	\$ 19.04	13.76%
1,000	138.40	157.44	\$ 19.04	13.76%
2,000	138.40	157.44	\$ 19.04	13.76%
3,000	138.40	157.44	\$ 19.04	13.76%
4,000	138.40	157.44	\$ 19.04	13.76%
5,000	138.40	157.44	\$ 19.04	13.76%
6,000	138.40	157.44	\$ 19.04	13.76%
7,000	138.40	157.44	\$ 19.04	13.76%
8,000	138.40	157.44	\$ 19.04	13.76%
9,000	138.40	157.44	\$ 19.04	13.76%
10,000	138.40	157.44	\$ 19.04	13.76%
11,000	138.40	157.44	\$ 19.04	13.76%
12,000	138.40	157.44	\$ 19.04	13.76%
13,000	138.40	157.44	\$ 19.04	13.76%
14,000	138.40	157.44	\$ 19.04	13.76%
15,000	138.40	157.44	\$ 19.04	13.76%
16,000	138.40	157.44	\$ 19.04	13.76%
17,000	139.88	159.12	\$ 19.24	13.75%
18,000	141.36	160.80	\$ 19.44	13.75%
19,000	142.84	162.48	\$ 19.64	13.75%
20,000	144.32	164.16	\$ 19.84	13.75%
87,000	243.48	276.72	\$ 33.24	13.65%
88,000	244.96	278.40	\$ 33.44	13.65%
89,000	246.44	280.08	\$ 33.64	13.65%
90,000	247.92	281.76	\$ 33.84	13.65%
91,000	249.40	283.44	\$ 34.04	13.65%
92,000	250.88	285.12	\$ 34.24	13.65%
93,000	252.36	286.80	\$ 34.44	13.65%
94,000	253.84	288.48	\$ 34.64	13.65%
95,000	255.32	290.16	\$ 34.84	13.65%
96,000	256.80	291.84	\$ 35.04	13.64%
97,000	258.28	293.52	\$ 35.24	13.64%
98,000	259.76	295.20	\$ 35.44	13.64%
99,000	261.24	296.88	\$ 35.64	13.64%
217,000	435.88	495.12	\$ 59.24	13.59%
117,000	287.88	327.12	\$ 39.24	13.63%
163,000	355.96	404.40	\$ 48.44	13.61%
151,000	338.20	384.24	\$ 46.04	13.61%
170,000	366.32	416.16	\$ 49.84	13.61%
114,000	283.44	322.08	\$ 38.64	13.63%
335,000	610.52	693.36	\$ 82.84	13.57%
470,000	810.32	920.16	\$ 109.84	13.56%
510,000	869.52	987.36	\$ 117.84	13.55%
563,000	947.96	#####	\$ 128.44	13.55%
654,000	1,082.64	#####	\$ 146.64	13.54%
494,000	845.84	960.48	\$ 114.64	13.55%
101,000	264.20	300.24	\$ 36.04	13.64%
333,000	607.56	690.00	\$ 82.44	13.57%
Average Usage				
95,359	\$ 255.85	\$ 290.76	\$ 34.91	13.65%
Median Usage				
7,000	\$ 138.40	\$ 157.44	\$ 19.04	13.76%

Units = 16

**Present Rates:**

Monthly Minimum:	\$ 138.40
Gallons in Minimum	16,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.48
Up to 999,999,999	\$ 1.48
Over 999,999,999	\$ 1.48
	\$ 1.48

**Proposed Rates:**

Monthly Minimum:	\$ 157.44
Gallons in Minimum	16,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.68
Up to 999,999,999	\$ 1.68
Over -	\$ 1.68
	\$ 1.68

<u>Usage</u>	<u>Present Bill</u>	<u>Proposed Bill</u>	<u>Dollar Increase</u>	<u>Percent Increase</u>
-	\$ 268.15	\$ 305.04	\$ 36.89	13.76%
1,000	268.15	305.04	\$ 36.89	13.76%
2,000	268.15	305.04	\$ 36.89	13.76%
3,000	268.15	305.04	\$ 36.89	13.76%
4,000	268.15	305.04	\$ 36.89	13.76%
5,000	268.15	305.04	\$ 36.89	13.76%
6,000	268.15	305.04	\$ 36.89	13.76%
7,000	268.15	305.04	\$ 36.89	13.76%
8,000	268.15	305.04	\$ 36.89	13.76%
9,000	268.15	305.04	\$ 36.89	13.76%
10,000	268.15	305.04	\$ 36.89	13.76%
11,000	268.15	305.04	\$ 36.89	13.76%
12,000	268.15	305.04	\$ 36.89	13.76%
13,000	268.15	305.04	\$ 36.89	13.76%
14,000	268.15	305.04	\$ 36.89	13.76%
15,000	268.15	305.04	\$ 36.89	13.76%
16,000	268.15	305.04	\$ 36.89	13.76%
17,000	268.15	305.04	\$ 36.89	13.76%
18,000	268.15	305.04	\$ 36.89	13.76%
19,000	268.15	305.04	\$ 36.89	13.76%
20,000	268.15	305.04	\$ 36.89	13.76%
90,000	355.47	404.16	\$ 48.69	13.70%
91,000	356.95	405.84	\$ 48.89	13.70%
92,000	358.43	407.52	\$ 49.09	13.70%
93,000	359.91	409.20	\$ 49.29	13.70%
94,000	361.39	410.88	\$ 49.49	13.69%
95,000	362.87	412.56	\$ 49.69	13.69%
96,000	364.35	414.24	\$ 49.89	13.69%
97,000	365.83	415.92	\$ 50.09	13.69%
98,000	367.31	417.60	\$ 50.29	13.69%
99,000	368.79	419.28	\$ 50.49	13.69%
140,000	429.47	488.16	\$ 58.69	13.67%
298,000	663.31	753.60	\$ 90.29	13.61%
357,000	750.63	852.72	\$ 102.09	13.60%
312,000	684.03	777.12	\$ 93.09	13.61%
180,000	488.67	555.36	\$ 66.69	13.65%
177,000	484.23	550.32	\$ 66.09	13.65%
137,000	425.03	483.12	\$ 58.09	13.67%
Average Usage				
184,167	\$ 494.84	\$ 562.36	\$ 67.52	13.65%
Median Usage				
7,000	\$ 268.15	\$ 305.04	\$ 36.89	13.76%

Units 31

**Present Rates:**

Monthly Minimum:	\$ 268.15
Gallons in Minimum	31,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.48
Up to 999,999,999	\$ 1.48
Over 999,999,999	\$ 1.48
	\$ 1.48

**Proposed Rates:**

Monthly Minimum:	\$ 305.04
Gallons in Minimum	31,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.68
Up to 999,999,999	\$ 1.68
Over -	\$ 1.68
	\$ 1.68

Usage	Present Bill	Proposed Bill	Dollar Increase	Percent Increase
-	\$ 346.00	\$ 393.60	\$ 47.60	13.76%
1,000	346.00	393.60	\$ 47.60	13.76%
2,000	346.00	393.60	\$ 47.60	13.76%
3,000	346.00	393.60	\$ 47.60	13.76%
4,000	346.00	393.60	\$ 47.60	13.76%
5,000	346.00	393.60	\$ 47.60	13.76%
6,000	346.00	393.60	\$ 47.60	13.76%
7,000	346.00	393.60	\$ 47.60	13.76%
8,000	346.00	393.60	\$ 47.60	13.76%
9,000	346.00	393.60	\$ 47.60	13.76%
10,000	346.00	393.60	\$ 47.60	13.76%
11,000	346.00	393.60	\$ 47.60	13.76%
12,000	346.00	393.60	\$ 47.60	13.76%
13,000	346.00	393.60	\$ 47.60	13.76%
14,000	346.00	393.60	\$ 47.60	13.76%
15,000	346.00	393.60	\$ 47.60	13.76%
16,000	346.00	393.60	\$ 47.60	13.76%
17,000	346.00	393.60	\$ 47.60	13.76%
18,000	346.00	393.60	\$ 47.60	13.76%
19,000	346.00	393.60	\$ 47.60	13.76%
160,000	523.60	595.20	\$ 71.60	13.67%
190,000	568.00	645.60	\$ 77.60	13.66%
307,000	741.16	842.16	\$ 101.00	13.63%
394,000	869.92	988.32	\$ 118.40	13.61%
586,000	1,154.08	1,310.88	\$ 156.80	13.59%
589,000	1,158.52	1,315.92	\$ 157.40	13.59%
109,000	448.12	509.52	\$ 61.40	13.70%
498,000	1,023.84	1,163.04	\$ 139.20	13.60%
119,000	462.92	526.32	\$ 63.40	13.70%
575,000	1,137.80	1,292.40	\$ 154.60	13.59%
144,000	499.92	568.32	\$ 68.40	13.68%
369,000	832.92	946.32	\$ 113.40	13.61%
199,000	581.32	660.72	\$ 79.40	13.66%
400,000	878.80	998.40	\$ 119.60	13.61%
127,000	474.76	539.76	\$ 65.00	13.69%
284,000	707.12	803.52	\$ 96.40	13.63%
Average Usage				
235,167	\$ 634.85	\$ 721.48	\$ 86.63	13.65%
Median Usage				
7,000	\$ 346.00	\$ 393.60	\$ 47.60	13.76%

Units 40

**Present Rates:**

Monthly Minimum:	\$ 346.00
Gallons in Minimum	40,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.48
Up to 999,999,999	\$ 1.48
Over 999,999,999	\$ 1.48
	\$ 1.48

**Proposed Rates:**

Monthly Minimum:	\$ 393.60
Gallons in Minimum	40,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.68
Up to 999,999,999	\$ 1.68
Over -	\$ 1.68
	\$ 1.68

Usage	Present Bill	Proposed Bill	Dollar Increase	Percent Increase
-	\$ 354.65	\$ 403.44	\$ 48.79	13.76%
1,000	354.65	403.44	\$ 48.79	13.76%
2,000	354.65	403.44	\$ 48.79	13.76%
3,000	354.65	403.44	\$ 48.79	13.76%
4,000	354.65	403.44	\$ 48.79	13.76%
5,000	354.65	403.44	\$ 48.79	13.76%
6,000	354.65	403.44	\$ 48.79	13.76%
7,000	354.65	403.44	\$ 48.79	13.76%
8,000	354.65	403.44	\$ 48.79	13.76%
9,000	354.65	403.44	\$ 48.79	13.76%
10,000	354.65	403.44	\$ 48.79	13.76%
11,000	354.65	403.44	\$ 48.79	13.76%
12,000	354.65	403.44	\$ 48.79	13.76%
13,000	354.65	403.44	\$ 48.79	13.76%
14,000	354.65	403.44	\$ 48.79	13.76%
15,000	354.65	403.44	\$ 48.79	13.76%
16,000	354.65	403.44	\$ 48.79	13.76%
17,000	354.65	403.44	\$ 48.79	13.76%
18,000	354.65	403.44	\$ 48.79	13.76%
194,000	581.09	660.48	\$ 79.39	13.66%
243,000	653.61	742.80	\$ 89.19	13.65%
217,000	615.13	699.12	\$ 83.99	13.65%
271,000	695.05	789.84	\$ 94.79	13.64%
176,000	554.45	630.24	\$ 75.79	13.67%
191,000	576.65	655.44	\$ 78.79	13.66%
220,000	619.57	704.16	\$ 84.59	13.65%
236,000	643.25	731.04	\$ 87.79	13.65%
211,000	606.25	689.04	\$ 82.79	13.66%
270,000	693.57	788.16	\$ 94.59	13.64%
235,000	641.77	729.36	\$ 87.59	13.65%
410,000	900.77	1,023.36	\$ 122.59	13.61%
237,000	644.73	732.72	\$ 87.99	13.65%
399,000	884.49	1,004.88	\$ 120.39	13.61%
252,000	666.93	757.92	\$ 90.99	13.64%
328,000	779.41	885.60	\$ 106.19	13.62%
365,000	834.17	947.76	\$ 113.59	13.62%
285,000	715.77	813.36	\$ 97.59	13.63%
357,000	822.33	934.32	\$ 111.99	13.62%
314,000	758.69	862.08	\$ 103.39	13.63%
379,000	854.89	971.28	\$ 116.39	13.61%
253,000	668.41	759.60	\$ 91.19	13.64%
Average Usage				
278,208	\$ 705.72	\$ 801.95	\$ 96.23	13.64%
Median Usage				
7,000	\$ 354.65	\$ 403.44	\$ 48.79	13.76%

Units 41

**Present Rates:**

Monthly Minimum:	\$ 354.65
Gallons in Minimum	41,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.48
Up to 999,999,999	\$ 1.48
Over 999,999,999	\$ 1.48
	\$ 1.48

**Proposed Rates:**

Monthly Minimum:	\$ 403.44
Gallons in Minimum	41,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.68
Up to 999,999,999	\$ 1.68
Over -	\$ 1.68
	\$ 1.68

<u>Usage</u>	<u>Present Bill</u>	<u>Proposed Bill</u>	<u>Dollar Increase</u>	<u>Percent Increase</u>
-	\$ 1,505.10	\$ 1,712.16	\$ 207.06	13.76%
1,000	1,505.10	1,712.16	\$ 207.06	13.76%
2,000	1,505.10	1,712.16	\$ 207.06	13.76%
3,000	1,505.10	1,712.16	\$ 207.06	13.76%
4,000	1,505.10	1,712.16	\$ 207.06	13.76%
5,000	1,505.10	1,712.16	\$ 207.06	13.76%
6,000	1,505.10	1,712.16	\$ 207.06	13.76%
7,000	1,505.10	1,712.16	\$ 207.06	13.76%
8,000	1,505.10	1,712.16	\$ 207.06	13.76%
9,000	1,505.10	1,712.16	\$ 207.06	13.76%
10,000	1,505.10	1,712.16	\$ 207.06	13.76%
11,000	1,505.10	1,712.16	\$ 207.06	13.76%
12,000	1,505.10	1,712.16	\$ 207.06	13.76%
13,000	1,505.10	1,712.16	\$ 207.06	13.76%
14,000	1,505.10	1,712.16	\$ 207.06	13.76%
15,000	1,505.10	1,712.16	\$ 207.06	13.76%
16,000	1,505.10	1,712.16	\$ 207.06	13.76%
17,000	1,505.10	1,712.16	\$ 207.06	13.76%
18,000	1,505.10	1,712.16	\$ 207.06	13.76%
19,000	1,505.10	1,712.16	\$ 207.06	13.76%
20,000	1,505.10	1,712.16	\$ 207.06	13.76%
21,000	1,505.10	1,712.16	\$ 207.06	13.76%
22,000	1,505.10	1,712.16	\$ 207.06	13.76%
23,000	1,505.10	1,712.16	\$ 207.06	13.76%
24,000	1,505.10	1,712.16	\$ 207.06	13.76%
25,000	1,505.10	1,712.16	\$ 207.06	13.76%
26,000	1,505.10	1,712.16	\$ 207.06	13.76%
27,000	1,505.10	1,712.16	\$ 207.06	13.76%
28,000	1,505.10	1,712.16	\$ 207.06	13.76%
29,000	1,505.10	1,712.16	\$ 207.06	13.76%
30,000	1,505.10	1,712.16	\$ 207.06	13.76%
31,000	1,505.10	1,712.16	\$ 207.06	13.76%
32,000	1,505.10	1,712.16	\$ 207.06	13.76%
33,000	1,505.10	1,712.16	\$ 207.06	13.76%
34,000	1,505.10	1,712.16	\$ 207.06	13.76%
35,000	1,505.10	1,712.16	\$ 207.06	13.76%
36,000	1,505.10	1,712.16	\$ 207.06	13.76%
37,000	1,505.10	1,712.16	\$ 207.06	13.76%
38,000	1,505.10	1,712.16	\$ 207.06	13.76%
39,000	1,505.10	1,712.16	\$ 207.06	13.76%
40,000	1,505.10	1,712.16	\$ 207.06	13.76%
41,000	1,505.10	1,712.16	\$ 207.06	13.76%
Average Usage				
17,400	\$ 1,505.10	\$ 1,712.16	\$ 207.06	13.76%
Median Usage				
7,000	\$ 1,505.10	\$ 1,712.16	\$ 207.06	13.76%

Units 174

**Present Rates:**

Monthly Minimum:	\$ 1,505.10
Gallons in Minimum	174,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.48
Up to 999,999,999	\$ 1.48
Over 999,999,999	\$ 1.48
	\$ 1.48

**Proposed Rates:**

Monthly Minimum:	\$ 1,712.16
Gallons in Minimum	174,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.68
Up to 999,999,999	\$ 1.68
Over -	\$ 1.68
	\$ 1.68

<u>Usage</u>	<u>Present Bill</u>	<u>Proposed Bill</u>	<u>Dollar Increase</u>	<u>Percent Increase</u>
-	\$ 30.00	\$ 34.14	\$ 4.14	13.80%
1,000	30.00	34.14	\$ 4.14	13.80%
2,000	31.48	35.82	\$ 4.34	13.79%
3,000	32.96	37.50	\$ 4.54	13.77%
4,000	34.44	39.18	\$ 4.74	13.76%
5,000	35.92	40.86	\$ 4.94	13.75%
6,000	37.40	42.54	\$ 5.14	13.74%
7,000	38.88	44.22	\$ 5.34	13.73%
8,000	40.36	45.90	\$ 5.54	13.73%
9,000	41.84	47.58	\$ 5.74	13.72%
10,000	43.32	49.26	\$ 5.94	13.71%
11,000	44.80	50.94	\$ 6.14	13.71%
12,000	46.28	52.62	\$ 6.34	13.70%
13,000	47.76	54.30	\$ 6.54	13.69%
14,000	49.24	55.98	\$ 6.74	13.69%
15,000	50.72	57.66	\$ 6.94	13.68%
16,000	52.20	59.34	\$ 7.14	13.68%
17,000	53.68	61.02	\$ 7.34	13.67%
18,000	55.16	62.70	\$ 7.54	13.67%
19,000	56.64	64.38	\$ 7.74	13.67%
20,000	58.12	66.06	\$ 7.94	13.66%
489,000	752.24	853.98	\$ 101.74	13.52%
503,000	772.96	877.50	\$ 104.54	13.52%
504,000	774.44	879.18	\$ 104.74	13.52%
508,000	780.36	885.90	\$ 105.54	13.52%
524,000	804.04	912.78	\$ 108.74	13.52%
535,000	820.32	931.26	\$ 110.94	13.52%
Average Usage				
103,576	\$ 181.81	\$ 206.47	\$ 24.66	13.56%
Median Usage				
7,000	\$ 38.88	\$ 44.22	\$ 5.34	13.73%

**Present Rates:**

Monthly Minimum:	\$ 30.00
Gallons in Minimum	1,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.48
Up to 999,999,999	\$ 1.48
Over 999,999,999	\$ 1.48
	\$ 1.48

**Proposed Rates:**

Monthly Minimum:	\$ 34.14
Gallons in Minimum	1,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.68
Up to 999,999,999	\$ 1.68
Over	\$ 1.68
	\$ 1.68

Usage	Present Bill	Proposed Bill	Dollar Increase	Percent Increase
-	\$ 8.65	\$ 9.84	\$ 1.19	13.76%
1,000	8.65	9.84	1.19	13.76%
2,000	10.13	11.52	1.39	13.72%
3,000	11.61	13.20	1.59	13.70%
4,000	13.09	14.88	1.79	13.67%
5,000	14.57	16.56	1.99	13.66%
6,000	16.05	18.24	2.19	13.64%
7,000	17.53	19.92	2.39	13.63%
8,000	19.01	21.60	2.59	13.62%
9,000	20.49	23.28	2.79	13.62%
10,000	21.97	24.96	2.99	13.61%
11,000	23.45	26.64	3.19	13.60%
12,000	24.93	28.32	3.39	13.60%
13,000	26.41	30.00	3.59	13.59%
14,000	27.89	31.68	3.79	13.59%
15,000	29.37	33.36	3.99	13.59%
16,000	30.85	35.04	4.19	13.58%
17,000	32.33	36.72	4.39	13.58%
18,000	33.81	38.40	4.59	13.58%
19,000	35.29	40.08	4.79	13.57%
20,000	36.77	41.76	4.99	13.57%
21,000	38.25	43.44	5.19	13.57%
22,000	39.73	45.12	5.39	13.57%
23,000	41.21	46.80	5.59	13.56%
Average Usage 3,731	12.69	14.43	1.74	13.68%
Median Usage 7,000	17.53	19.92	2.39	13.63%

**Present Rates:**

Monthly Minimum:	\$ 8.65
Gallons in Minimum	1,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.48
Up to 999,999,999	\$ 1.48
Over 999,999,999	\$ 1.48
	\$ 1.48

**Proposed Rates:**

Monthly Minimum:	\$ 9.84
Gallons in Minimum	1,000
Charge Per 1,000 Gallons	
Up to 999,999,999	\$ 1.68
Up to 999,999,999	\$ 1.68
Over 999,999,999	\$ 1.68
	\$ 1.68

**Arizona / American Mohave Water**  
 Test Year Ended December 31, 2001  
 Customer Classification

RS 5/8 Inch Summary

Exhibit  
 Schedule H-5  
 Page 1  
 Witness: Kozoman

Usage From:	Usage To:	Month of Jan-01	Month of Feb-01	Month of Mar-01	Month of Apr-01	Month of May-01	Month of Jun-01	Month of Jul-01	Month of Aug-01	Month of Sep-01	Month of Oct-01	Month of Nov-01	Month of Dec-01	Total Year
1000	1,000	1,825	1,899	1,904	1,726	1,614	1,594	1,704	1,912	1,644	1,995	1,875	2,057	21,749
2000	1,000	967	986	1,050	962	876	785	782	807	773	783	822	956	10,549
3000	2,000	1,050	1,103	1,205	1,026	859	733	758	856	682	796	855	1,030	10,953
4000	3,000	1,109	1,238	1,298	1,089	922	734	697	852	759	829	921	1,109	11,557
5000	4,000	1,114	1,155	1,237	1,049	942	742	728	870	718	799	903	1,043	11,300
6000	5,000	984	1,086	1,066	972	852	777	717	783	688	811	841	967	10,544
7000	6,000	848	879	830	855	760	705	672	654	643	694	778	833	9,151
8000	7,000	704	671	693	690	659	637	646	623	575	634	700	726	7,958
9000	8,000	572	547	542	612	559	562	554	499	550	574	591	575	6,737
10000	9,000	505	458	457	511	513	519	440	435	475	511	524	461	5,809
11000	10,000	383	368	336	409	487	448	423	400	390	425	429	410	4,908
12000	11,000	329	288	274	325	406	375	388	368	348	385	381	321	4,188
13000	12,000	268	220	183	268	330	334	364	306	321	306	329	254	3,483
14000	13,000	192	180	156	221	283	293	288	277	279	293	263	196	2,921
15000	14,000	144	124	108	199	248	232	276	251	248	244	210	166	2,493
16000	15,000	115	104	108	166	193	232	232	228	230	213	212	143	2,176
17000	16,000	116	69	91	145	180	206	252	206	203	188	163	98	1,917
18000	17,000	83	65	57	112	159	213	173	160	188	170	148	111	1,639
19000	18,000	78	69	49	85	142	166	182	138	160	137	137	90	1,433
20000	19,000	68	60	34	76	102	168	139	142	119	115	111	64	1,198
21000	20,000	50	45	34	63	105	168	158	103	110	109	108	65	1,118
22000	21,000	31	29	24	58	86	113	117	103	116	89	74	54	894
23000	22,000	37	30	17	41	70	116	107	92	97	93	78	42	820
24000	23,000	34	21	16	35	78	110	131	84	81	68	60	33	751
25000	24,000	32	23	20	37	57	76	102	71	85	81	60	40	684
26000	25,000	33	27	9	24	54	60	71	70	63	67	41	32	551
27000	26,000	14	16	17	21	41	65	52	65	76	57	37	29	490
28000	27,000	17	11	12	12	23	58	66	41	58	37	33	27	395
29000	28,000	17	9	8	20	24	65	58	43	42	45	24	14	369
30000	29,000	13	6	6	16	37	53	45	47	39	36	32	17	347
31000	30,000	12	10	8	11	17	39	55	43	54	46	18	11	324
32000	31,000	10	7	2	13	22	36	48	35	39	30	18	22	282
33000	32,000	9	7	4	12	17	52	47	29	29	29	20	7	262
34000	33,000	6	7	6	8	20	27	38	38	35	26	29	14	254
35000	34,000	8	5	4	5	13	29	44	24	32	23	15	12	214
36000	35,000	5	4	6	5	17	26	32	28	26	35	23	10	218
37000	36,000	8	8	3	4	14	27	35	14	26	16	13	12	173
38000	37,000	8	4	4	6	12	20	22	18	26	15	8	7	159
39000	38,000	5	4	4	6	10	22	17	13	22	26	16	6	156
40000	39,000	9	4	4	3	11	17	26	18	22	17	8	5	139
41000	40,000	7	3	1	5	11	19	23	15	15	11	9	5	127
42000	41,000	4	2	3	7	5	19	23	15	14	13	7	7	111
43000	42,000	1	1	3	4	5	17	11	14	18	15	9	6	104
44000	43,000	5	2	2	1	3	14	12	13	16	10	10	6	94
45000	44,000	7	2	1	3	5	12	22	10	15	10	14	5	106
46000	45,000	3	2	2	2	10	13	12	9	15	9	1	7	83
	46,000	1	1	2	2	6	7	7	12	10	4	7	3	60

**Arizona / American Mohave Water**  
 Test Year Ended December 31, 2001  
 Customer Classification

RS 5/8 Inch Summary

Exhibit  
 Schedule H-5  
 Page 1a  
 Witness: Kozoman

**Revised**

Usage From:	Usage To:	Month of Jan-01	Month of Feb-01	Month of Mar-01	Month of Apr-01	Month of May-01	Month of Jun-01	Month of Jul-01	Month of Aug-01	Month of Sep-01	Month of Oct-01	Month of Nov-01	Month of Dec-01	Total Year
47,000	47,000	2	3	3	2	6	8	10	7	8	7	6	1	63
48,000	48,000	5	1	-	2	4	7	8	4	12	5	3	2	53
49,000	49,000	1	-	-	2	2	4	8	7	7	12	4	2	49
50,000	50,000	-	2	2	1	-	5	11	6	7	6	4	2	46
51,000	51,000	1	1	-	1	5	4	7	2	11	11	3	3	49
52,000	52,000	1	5	1	2	2	12	7	6	3	3	1	2	45
53,000	53,000	1	1	1	4	2	11	6	9	6	7	5	2	55
54,000	54,000	-	-	1	1	5	3	8	4	4	3	3	2	34
55,000	55,000	1	3	-	-	3	7	4	5	5	4	1	4	37
56,000	56,000	-	1	1	2	3	4	4	4	3	4	2	3	32
57,000	57,000	-	-	1	2	2	6	5	4	11	4	2	-	37
58,000	58,000	2	1	1	-	1	5	7	3	6	1	1	2	30
59,000	59,000	-	-	1	3	3	5	7	5	6	4	-	1	35
60,000	60,000	1	-	2	-	4	3	8	6	2	4	3	-	33
61,000	61,000	1	1	1	-	-	4	4	4	4	4	3	-	25
62,000	62,000	1	1	1	-	-	4	6	5	6	2	-	2	31
63,000	63,000	-	1	-	1	-	8	4	4	3	2	1	1	23
64,000	64,000	-	-	-	-	1	11	5	6	3	1	3	1	31
65,000	65,000	-	1	2	2	2	2	2	2	6	2	2	1	23
66,000	66,000	-	-	1	-	-	8	4	1	3	4	5	3	29
67,000	67,000	1	-	-	-	-	4	1	1	4	1	-	-	12
68,000	68,000	-	1	-	-	1	5	4	2	-	7	1	-	21
69,000	69,000	2	1	-	3	1	4	3	2	2	3	-	1	22
70,000	70,000	1	1	-	-	-	3	3	3	4	1	1	-	17
71,000	71,000	-	1	-	2	2	1	3	2	4	2	1	-	18
72,000	72,000	1	1	1	-	1	4	1	8	2	-	1	1	21
73,000	73,000	-	-	-	-	2	3	2	2	1	2	2	1	15
74,000	74,000	-	-	1	1	1	1	3	2	1	1	-	2	13
75,000	75,000	1	-	-	-	-	1	2	2	3	4	-	1	14
76,000	76,000	-	-	-	1	-	1	1	1	2	-	-	-	8
77,000	77,000	1	-	-	1	1	1	6	1	1	3	2	1	19
78,000	78,000	1	-	1	-	-	-	3	2	2	-	2	-	11
79,000	79,000	-	-	-	1	2	-	4	2	-	-	-	1	10
80,000	80,000	-	-	-	-	1	1	4	2	1	3	2	-	14
81,000	81,000	2	-	-	1	1	3	1	3	2	1	-	-	14
82,000	82,000	2	-	-	-	1	1	-	3	-	3	1	-	11
83,000	83,000	-	-	-	-	1	1	4	-	3	1	-	-	10
84,000	84,000	1	-	-	1	1	-	1	1	-	1	-	-	6
85,000	85,000	-	-	-	1	1	1	3	1	1	2	2	-	12
86,000	86,000	-	-	-	-	-	1	1	-	1	3	-	-	6
87,000	87,000	-	1	-	-	-	2	3	1	4	-	-	1	12
88,000	88,000	1	-	-	-	1	1	1	1	1	-	1	-	7
89,000	89,000	1	-	-	-	1	-	-	2	1	2	-	-	7
90,000	90,000	-	1	-	-	-	1	-	1	-	-	-	-	3
91,000	91,000	-	-	-	-	-	1	-	4	-	4	1	-	12
92,000	92,000	-	-	2	-	-	1	-	-	2	-	-	-	5



**Arizona / American Mohave Water**  
 Test Year Ended December 31, 2001  
 Customer Classification

RS 5/8 Inch Summary

Exhibit  
 Schedule H-5  
 Page 1c  
 Witness: Kozoman

Usage From:	Usage To:	Month of Jan-01	Month of Feb-01	Month of Mar-01	Month of Apr-01	Month of May-01	Month of Jun-01	Month of Jul-01	Month of Aug-01	Month of Sep-01	Month of Oct-01	Month of Nov-01	Month of Dec-01	Total Year
148000	148,000	1												1
149000	149,000					1								1
150000	150,000						1							1
151000	151,000										1			1
154000	154,000							1						1
157000	157,000								1					1
159000	159,000													2
160000	160,000			1										3
163000	163,000										1			1
164000	164,000							1						1
169000	169,000											1		1
171000	171,000						1							1
174000	174,000					1					1			2
176000	176,000									1				1
184000	184,000						1							1
193000	193,000									1				2
195000	195,000							1						1
199000	199,000										1			1
215000	215,000											1		1
216000	216,000							1						1
234000	234,000	1												2
251000	251,000													1
259000	259,000								1					1
276000	276,000											1		1
318000	318,000										1			1
444000	444,000												1	1
448000	448,000													1
482000	482,000													1
482000	482,000												1	1
198000	198,000													1
139000	139,000						1							1
108000	108,000													1
107000	107,000													1
107000	107,000													1
107000	107,000													1
Totals		11,875	11,894	11,922	11,962	11,931	11,967	12,016	12,000	11,360	12,071	12,045	12,155	143,198

Average Usage 7,500  
 Median Usage 7,000  
 Average # Customers 11,933  
 Change in Number of Customers 280



**Arizona / American Mohave Water**  
 Test Year Ended December 31, 2001  
 Customer Classification

CM Summary 2 Inch

Exhibit  
 Schedule H-5  
 Page 92A  
 Witness: Kozoman

**REVISED**

Usage From:	Usage To:	Month of Jan-01	Month of Feb-01	Month of Mar-01	Month of Apr-01	Month of May-01	Month of Jun-01	Month of Jul-01	Month of Aug-01	Month of Sep-01	Month of Oct-01	Month of Nov-01	Month of Dec-01	Total Year
47000	47,000	-	1	-	-	-	-	1	1	3	-	-	1	7
48000	48,000	1	-	1	-	1	-	-	1	2	1	1	1	9
49000	49,000	1	-	-	1	-	1	-	-	-	-	2	1	6
50000	50,000	1	2	-	1	1	2	-	2	2	-	-	1	12
51000	51,000	-	-	-	-	-	-	1	-	-	-	-	-	3
52000	52,000	2	-	-	1	-	-	-	-	1	1	-	-	5
53000	53,000	1	-	-	3	-	-	-	-	-	-	-	-	4
54000	54,000	-	3	1	-	1	-	1	-	-	-	-	1	7
55000	55,000	-	1	-	1	-	-	1	1	-	-	1	-	5
56000	56,000	-	-	1	-	1	-	2	2	1	1	-	-	8
57000	57,000	-	1	2	3	-	-	1	1	-	3	2	1	14
58000	58,000	1	2	-	1	-	1	-	-	1	1	-	-	7
59000	59,000	-	-	-	-	-	-	-	1	1	-	1	-	3
60000	60,000	2	1	2	-	-	-	1	-	-	1	-	-	7
61000	61,000	-	1	-	-	1	1	-	-	-	1	-	1	5
62000	62,000	1	-	-	-	-	1	-	1	2	1	-	-	7
63000	63,000	-	-	-	-	2	1	-	1	-	1	-	1	8
64000	64,000	-	2	-	1	2	1	1	-	-	-	-	-	7
65000	65,000	-	-	1	1	-	-	1	4	-	-	-	-	8
66000	66,000	2	-	-	1	1	-	-	1	-	1	-	-	7
67000	67,000	1	1	-	-	-	1	4	1	1	1	-	1	10
68000	68,000	1	-	3	-	1	-	-	-	1	-	1	-	10
69000	69,000	-	1	-	-	1	1	-	-	-	1	-	-	4
70000	70,000	-	1	-	1	-	-	-	-	1	-	-	-	3
71000	71,000	1	-	-	1	-	-	-	1	-	1	2	1	7
72000	72,000	-	1	-	-	-	-	1	-	-	-	-	-	2
73000	73,000	-	-	1	1	1	2	-	1	-	1	-	-	7
74000	74,000	-	-	-	-	2	2	3	-	-	-	-	-	5
75000	75,000	-	-	-	1	2	-	1	1	-	1	-	-	6
76000	76,000	-	-	-	-	1	-	1	-	-	-	-	-	3
77000	77,000	1	-	1	-	1	-	1	-	1	-	1	-	6
78000	78,000	-	1	-	-	2	1	-	-	-	-	1	1	6
79000	79,000	-	-	-	-	-	1	-	-	-	1	-	3	5
80000	80,000	-	1	-	1	-	1	-	-	1	1	-	1	6
81000	81,000	-	1	-	-	1	-	-	-	-	1	-	-	3
82000	82,000	-	1	2	2	1	1	1	-	-	1	-	-	9
83000	83,000	1	-	-	1	-	1	1	-	-	-	2	-	6
84000	84,000	-	1	-	-	2	-	-	-	-	1	1	-	6
85000	85,000	-	-	-	-	-	-	1	1	-	1	-	1	5
86000	86,000	1	-	-	-	-	-	1	1	-	1	-	2	6
87000	87,000	-	-	-	1	1	-	-	1	1	-	-	1	5
88000	88,000	1	1	2	-	1	1	1	2	1	-	1	1	12
89000	89,000	-	3	-	1	-	-	-	-	-	-	3	-	7
90000	90,000	-	-	-	1	-	-	-	-	1	-	1	-	6
91000	91,000	-	-	1	-	1	-	-	-	-	1	-	1	5
92000	92,000	-	1	-	1	-	2	1	1	1	-	-	-	10

**Arizona / American Mohave Water**  
 Test Year Ended December 31, 2001  
 Customer Classification

CM Summary 2 Inch

Exhibit  
 Schedule H-5  
 Page 92B  
 Witness: Kozoman

**REVISED**

Usage From:	Usage To:	Month of Jan-01	Month of Feb-01	Month of Mar-01	Month of Apr-01	Month of May-01	Month of Jun-01	Month of Jul-01	Month of Aug-01	Month of Sep-01	Month of Oct-01	Month of Nov-01	Month of Dec-01	Total Year
93000	93,000	2	-	-	-	-	-	-	2	-	-	1	-	5
94000	94,000	-	-	-	-	1	1	-	-	-	1	2	1	5
95000	95,000	-	1	-	1	-	-	-	-	1	-	-	-	4
96000	96,000	-	-	-	-	-	1	1	-	-	-	-	1	4
97000	97,000	2	-	-	1	1	1	1	-	-	-	1	3	10
98000	98,000	-	-	1	-	1	-	-	-	-	1	1	-	4
99000	99,000	-	1	1	-	1	-	-	-	2	1	1	-	8
100000	100,000	-	1	1	-	-	1	-	-	-	-	1	-	3
101000	101,000	1	1	-	1	-	-	1	-	-	-	-	1	4
101000	101,000	-	-	-	-	-	-	1	-	-	-	-	-	1
102000	102,000	1	-	-	-	1	-	-	1	-	1	-	-	5
103000	103,000	1	1	-	1	1	-	-	-	-	-	-	-	4
104000	104,000	-	1	1	-	-	1	-	-	-	1	-	-	3
104000	104,000	-	-	-	-	-	-	-	-	-	-	-	1	1
105000	105,000	-	1	-	-	-	-	1	1	-	-	-	-	3
106000	106,000	1	-	-	-	-	2	1	-	-	-	-	1	5
106000	106,000	-	-	-	-	-	-	-	-	1	-	-	-	1
107000	107,000	-	-	-	-	-	-	2	1	-	-	-	-	6
108000	108,000	-	1	-	-	-	-	1	-	-	1	1	-	4
109000	109,000	-	-	-	-	-	-	-	-	2	-	-	-	3
109000	109,000	-	-	1	-	-	-	-	-	-	-	-	-	1
109000	109,000	-	-	2	-	-	-	-	1	1	-	-	-	8
110000	110,000	2	-	-	-	-	-	-	-	-	-	2	-	5
111000	111,000	1	-	-	-	1	-	1	2	-	-	1	-	4
112000	112,000	-	1	-	-	-	-	1	1	-	-	-	-	4
113000	113,000	-	-	-	-	-	-	-	-	-	1	2	-	3
114000	114,000	-	-	-	-	-	-	-	1	-	-	-	-	1
115000	115,000	1	1	-	-	-	1	-	-	-	-	1	-	4
116000	116,000	-	-	1	-	-	1	-	-	-	-	-	2	5
117000	117,000	-	-	-	-	1	-	-	-	-	-	1	1	4
118000	118,000	-	-	-	1	1	-	-	1	2	-	-	-	4
118000	118,000	-	-	-	-	-	-	-	-	-	1	-	-	1
119000	119,000	-	-	-	-	-	-	-	-	1	-	-	-	1
119000	119,000	-	1	-	-	-	-	-	-	-	-	2	-	5
120000	120,000	1	-	-	1	1	-	-	-	-	-	-	-	3
120000	120,000	-	-	-	-	-	-	-	1	-	-	-	-	1
121000	121,000	-	-	-	-	-	-	-	-	-	1	1	-	2
122000	122,000	-	-	-	-	1	-	2	1	-	-	-	-	5
123000	123,000	-	-	-	-	1	-	-	1	-	-	1	-	3
123000	123,000	-	-	-	-	1	1	1	-	-	-	-	-	4
124000	124,000	-	-	-	-	1	-	-	1	-	-	-	1	3
125000	125,000	1	-	-	1	1	1	-	-	-	-	-	-	4
126000	126,000	-	-	-	-	1	-	1	-	2	1	-	-	7
127000	127,000	1	-	-	-	-	1	-	-	-	1	-	-	3
127000	127,000	1	-	-	-	-	1	-	-	-	-	-	-	2
128000	128,000	-	1	-	-	-	-	-	-	1	-	-	-	3
129000	129,000	-	-	-	-	1	-	-	-	1	-	-	-	4
130000	130,000	-	-	1	-	-	-	-	-	-	1	-	-	3

**Arizona / American Mohave Water**

Test Year Ended December 31, 2001

Customer Classification

CM Summary 2 Inch

Exhibit

Schedule H-5

Page 92C

Witness: Kozoman

**REVISED**

Usage From:	Usage To:	Month of Jan-01	Month of Feb-01	Month of Mar-01	Month of Apr-01	Month of May-01	Month of Jun-01	Month of Jul-01	Month of Aug-01	Month of Sep-01	Month of Oct-01	Month of Nov-01	Month of Dec-01	Total Year
131000	131000	1	1	2	1	-	-	-	-	-	-	-	1	5
132000	132000	-	-	-	-	-	-	-	-	-	1	-	-	1
132000	132000	1	-	1	-	1	-	-	-	1	-	-	1	5
133000	133000	-	2	1	1	-	-	-	-	1	-	-	-	5
134000	134000	-	-	-	-	-	1	-	-	-	-	-	-	1
135000	135000	-	-	-	-	-	1	-	2	-	2	-	-	5
136000	136000	-	-	-	-	-	1	-	-	-	-	-	-	1
136000	136000	-	1	-	-	-	-	-	-	-	-	-	-	1
137000	137000	-	-	-	1	-	-	-	-	-	-	-	-	1
137000	137000	-	-	-	-	-	-	-	-	1	-	-	-	1
138000	138000	-	-	-	-	-	-	-	1	-	-	-	-	1
139000	139000	-	1	-	-	-	-	1	-	-	-	-	-	1
140000	140000	-	-	-	-	-	1	-	-	-	-	-	-	3
141000	141000	1	-	-	-	1	-	-	1	-	-	-	1	2
142000	142000	1	-	-	-	-	3	-	-	-	1	-	-	7
143000	143000	-	-	-	2	-	-	-	1	-	-	1	-	1
144000	144000	-	1	1	-	-	1	-	1	-	-	-	1	4
145000	145000	-	-	-	-	-	-	-	-	-	1	-	1	5
146000	146000	1	-	-	-	-	-	-	-	-	-	-	1	2
147000	147000	-	-	-	-	-	-	2	-	1	-	-	-	1
148000	148000	-	-	-	1	-	-	-	1	-	-	-	-	3
149000	149000	-	-	-	-	-	-	-	2	-	-	-	1	3
150000	150000	-	1	-	-	-	1	-	1	-	-	-	-	3
151000	151000	1	-	-	-	-	-	-	-	-	1	-	-	2
152000	152000	-	1	-	-	-	-	-	-	-	1	-	-	3
153000	153000	-	-	-	1	-	-	-	-	-	-	-	-	2
154000	154000	-	-	1	1	-	-	1	-	-	-	-	1	4
155000	155000	-	-	-	-	-	-	-	-	-	-	-	-	2
156000	156000	-	-	-	-	-	-	-	-	1	-	-	-	3
157000	157000	1	-	-	-	1	-	-	1	-	-	-	-	4
158000	158000	-	-	-	-	-	-	2	1	-	-	-	-	2
159000	159000	1	-	1	-	-	-	-	-	-	1	-	1	3
160000	160000	-	-	1	2	-	-	-	-	-	-	-	-	3
161000	161000	-	-	-	-	-	1	-	-	-	-	-	-	1
162000	162000	-	-	1	-	-	-	1	-	-	1	-	-	3
163000	163000	1	-	1	1	-	-	-	-	-	-	-	-	5
164000	164000	-	-	-	-	1	1	-	-	1	-	-	-	3
165000	165000	-	-	-	-	-	-	-	-	-	-	-	-	1
166000	166000	-	-	-	-	-	-	-	-	-	1	-	-	2
167000	167000	-	-	-	-	2	-	-	-	-	-	-	-	2
169000	169000	-	-	-	-	-	-	-	-	1	-	-	-	2
170000	170000	1	-	-	-	-	1	-	-	-	-	-	-	2
171000	171000	-	-	-	2	-	-	-	-	-	-	-	-	2
172000	172000	-	-	-	-	-	-	1	-	-	-	-	-	3
172000	172000	-	-	-	-	-	-	-	-	1	2	1	-	6
173000	173000	1	-	-	-	-	-	-	-	-	-	-	-	1
174000	174000	1	1	-	-	-	1	-	1	-	-	-	-	4









**Arizona / American Mohave Water**  
 Test Year Ended December 31, 2001  
 Customer Classification

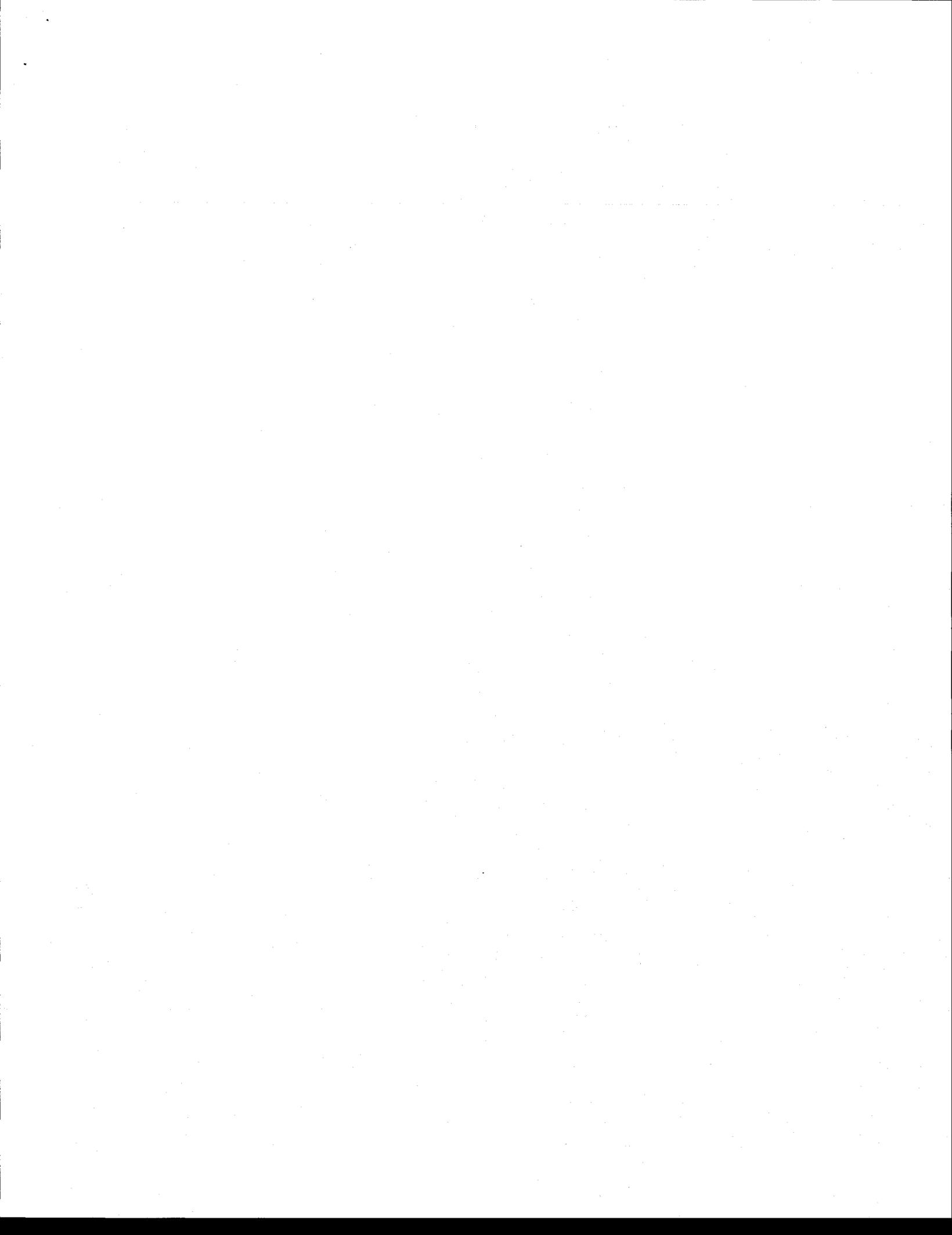
CM Summary 2 Inch

Exhibit  
 Schedule H-5  
 Page 92H  
 Witness: Kozoman

**REVISED**

Usage From:	Usage To:	Month of Jan-01	Month of Feb-01	Month of Mar-01	Month of Apr-01	Month of May-01	Month of Jun-01	Month of Jul-01	Month of Aug-01	Month of Sep-01	Month of Oct-01	Month of Nov-01	Month of Dec-01	Total Year
606000	609000			1						1				1
609000	611000						1							1
611000	629000											1		1
629000	634000								1					1
634000	644000		1											1
644000	647000				1									1
647000	660000					1								1
660000	723000											1		1
723000	738000		1											1
738000	744000										1			1
744000	755000													1
755000	756000											1		1
756000	760000					1								1
760000	764000													1
764000	773000							1						1
773000	816000													1
816000	830000			1										1
830000	854000									1				1
854000	867000	1												1
867000	869000	1												1
869000	871000						1							1
871000	908000													1
908000	912000													1
912000	921000							1						1
921000	971000													1
971000	977000													1
977000	1004000											1		1
1004000	1012000													1
1012000	1100000													2
1100000	1275000												1	1
1275000	1464000													1
1464000	1566000													1
1566000	1610000													1
1610000	1701000													1
1701000	1860000													1
1860000	2036000													1
2036000	2057000													1
2057000	2287000													1
2287000														1
Totals		164	160	149	160	161	162	164	167	166	167	166	168	1,954

Average Usage 103,576  
 Median Usage 977  
 Average # Customers 163  
 Change in Number of Customers 4



**Arizona American - Havasu Water**  
 Revenue Summary  
 With Annualized Revenues to Year End Number of Customers  
 Test Year Ended December 31, 2001

Exhibit H-1  
 Schedule H-1  
 Page 1  
 Witness: Kozoman

**REVISED**

Line No.	Customer Classification and/or Meter Size	Present Revenues		Proposed Revenues		Dollar Change	Percent Change	Percent of Present Water Revenues	Percent of Proposed Water Revenues
		Revenues	Revenues	Revenues	Revenues				
1	5/8 Inch Residential	249,903	364,729	114,827	45.95%	56.31%	0.74%	0.75%	
2	1 Inch Residential	3,296	4,805	1,509	45.78%	0.00%	0.00%	0.00%	
3	1.5 Inch Residential	-	-	724	45.82%	0.00%	0.36%	0.36%	
4	2 Inch Residential	1,580	2,303	-	-	0.84%	0.00%	0.00%	
5	3 Inch Residential	-	-	-	-	0.00%	0.84%	0.85%	
6	4 Inch Residential	3,730	5,438	1,709	45.82%	0.00%	0.00%	0.00%	
7	6 Inch Residential	-	-	-	-	0.00%	0.00%	0.00%	
8	5/8 Inch Commercial	15,714	22,921	7,207	45.87%	3.54%	3.54%	3.57%	
9	1 Inch Commercial	7,007	10,219	3,212	45.83%	1.58%	1.58%	1.59%	
10	2 Inch Commercial	3,958	5,773	1,815	45.87%	0.89%	0.89%	0.90%	
11	3 Inch Commercial	30,088	43,869	13,782	45.81%	6.78%	6.78%	6.83%	
12	4 Inch Commercial	3,820	5,572	1,751	45.84%	0.86%	0.86%	0.87%	
13	6 inch Commercial	-	-	-	-	0.00%	0.00%	0.00%	
14	Multi-Family 44	7,203	10,518	3,315	46.02%	1.62%	1.62%	1.64%	
15	Multi-Family 56	7,741	11,307	3,565	46.06%	1.74%	1.74%	1.76%	
16	Multi-Family 64	10,065	14,697	4,632	46.03%	2.27%	2.27%	2.29%	
17	Multi-Family 65	9,406	13,737	4,331	46.05%	2.12%	2.12%	2.14%	
18	Multi-Family 67	11,990	17,505	5,515	46.00%	2.70%	2.70%	2.73%	
19	Multi-Family 89	13,438	18,768	5,329	39.66%	3.03%	3.03%	2.92%	
20	Multi-Family 102	12,850	18,772	5,922	46.08%	2.90%	2.90%	2.92%	
21	Multi-Family 129	16,174	23,649	7,475	46.22%	3.64%	3.64%	3.68%	
22	Multi-Family 153	18,998	27,754	8,756	46.09%	4.28%	4.28%	4.32%	
23	Miscellaneous Revenues	10,532	10,532	-	0.00%	2.37%	2.37%	1.64%	
24	Difference between Bill Count Revenues and General Ledger Revenues	6,311	9,220	2,909	46.10%	1.42%	1.42%	1.44%	
25		\$ 443,802	\$ 642,088	198,286	44.68%	100.00%	100.00%	100.00%	
26	<b>Subtotal Revenues</b>								

Line No.	Customer Classification	Revenue Annualization		Percent Change	Bills to be Issued (In 1,000's)	Additional Gallons to be Pumped (In 1,000's)
		Present Revenues	Proposed Revenues			
27		11,725	17,113	45.95%	620	4,686
28		(3,296)	(4,805)	45.78%	(4)	(365)
29		(1,428)	(2,082)	45.83%	(6)	(1,001)
30		(4,464)	(6,509)	45.81%	(8)	(2,915)
31		783	1,142	45.87%	22	429
32	5/8 Inch Residential	(541)	(789)	45.84%	(4)	(365)
33	1 Inch Residential	(764)	(1,114)	45.87%	(5)	(460)
34	2 Inch Residential	(4,894)	(7,135)	45.80%	(6)	(3,349)
35	4 Inch Residential	(2,878)	(4,179)	45.21%	(609)	(3,339)
36	5/8 Inch Commercial	440,924	637,909	44.68%		
37	1 Inch Commercial					
38	2 Inch Commercial					
39	3 Inch Commercial					
40	Total Revenue Annualizations					
41	<b>Total Revenues</b>					

**Arizona American - Havasu Water**  
 Revenue Summary  
 With Annualized Revenues to Year End Number of Customers  
 Test Year Ended December 31, 2001  
**Step One Rate Increase**

Exhibit H-1  
 Schedule H-1  
 Page 1  
 Witness: Kozoman

Line No.	Customer Classification and/or Meter Size	Present Revenues		Proposed Revenues		Dollar Change	Percent Change	Percent of Present Water Revenues	Percent of Proposed Water Revenues
		Revenues	Revenues	Revenues	Revenues				
1	5/8 Inch Residential	249,903	350,367	100,464	40.20%	56.31%	56.78%	0.74%	0.75%
2	1 Inch Residential	3,296	4,642	1,346	40.83%	0.74%	0.00%	0.00%	0.00%
3	1.5 Inch Residential	-	-	-	-	-	-	0.36%	0.36%
4	2 Inch Residential	1,580	2,218	639	40.43%	0.00%	0.00%	0.00%	0.00%
5	3 Inch Residential	-	-	-	-	0.84%	0.85%	0.84%	0.85%
6	4 Inch Residential	3,730	5,244	1,515	40.61%	0.00%	0.00%	0.00%	0.00%
7	6 Inch Residential	-	-	-	-	0.00%	0.00%	0.00%	0.00%
8	5/8 Inch Commercial	15,714	22,042	6,328	40.27%	3.54%	3.57%	3.54%	3.57%
9	1 Inch Commercial	7,007	9,828	2,821	40.26%	1.58%	1.59%	1.58%	1.59%
10	2 Inch Commercial	3,958	5,547	1,589	40.15%	0.89%	0.90%	0.89%	0.90%
11	3 Inch Commercial	30,088	42,222	12,134	40.33%	6.78%	6.84%	6.78%	6.84%
12	4 Inch Commercial	3,820	5,356	1,535	40.19%	0.86%	0.87%	0.86%	0.87%
13	6 Inch Commercial	-	-	-	-	0.00%	0.00%	0.00%	0.00%
14	Multi-Family 44	7,203	10,093	2,890	40.12%	1.62%	1.64%	1.62%	1.64%
15	Multi-Family 56	7,741	10,842	3,100	40.05%	1.74%	1.76%	1.74%	1.76%
16	Multi-Family 64	10,065	14,100	4,035	40.09%	2.27%	2.28%	2.27%	2.28%
17	Multi-Family 65	9,406	13,177	3,772	40.10%	2.12%	2.14%	2.12%	2.14%
18	Multi-Family 67	11,990	16,804	4,814	40.15%	2.70%	2.72%	2.70%	2.72%
19	Multi-Family 89	13,438	17,997	4,559	33.92%	3.03%	2.92%	3.03%	2.92%
20	Multi-Family 102	12,850	17,993	5,143	40.02%	2.90%	2.92%	2.90%	2.92%
21	Multi-Family 129	16,174	22,670	6,496	40.16%	3.64%	3.67%	3.64%	3.67%
22	Multi-Family 153	18,998	26,599	7,601	40.01%	4.28%	4.31%	4.28%	4.31%
23	Miscellaneous Revenues	10,532	10,532	-	0.00%	2.37%	1.71%	2.37%	1.71%
24	Difference in Bill Count & Gen. Leg. Rev	6,311	8,835	2,524	40.00%	1.42%	1.43%	1.42%	1.43%
25	<b>Subtotal Revenues</b>	<b>\$ 443,802</b>	<b>\$ 617,107</b>	<b>173,305</b>	<b>39.05%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>
26									
27									
28									
29									
30									
31	5/8 Inch Residential	11,725	16,444	4,718	40.24%	620	4,686	620	4,686
32	1 Inch Residential	(3,296)	(4,642)	(1,346)	40.83%	(4)	(365)	(4)	(365)
33	2 Inch Residential	(1,428)	(2,006)	(578)	40.51%	(6)	(1,001)	(6)	(1,001)
34	4 Inch Residential	(4,464)	(6,270)	(1,806)	40.46%	(8)	(2,915)	(8)	(2,915)
35	5/8 Inch Commercial	783	1,098	316	40.34%	22	429	22	429
36	1 Inch Commercial	(541)	(756)	(215)	39.73%	(4)	(365)	(4)	(365)
37	2 Inch Commercial	(764)	(1,067)	(304)	39.76%	(5)	(460)	(5)	(460)
38	3 Inch Commercial	(4,894)	(6,873)	(1,979)	40.44%	(6)	(3,349)	(6)	(3,349)
39	Total Revenue Annualizations	(2,878)	(4,072)	(1,194)	41.48%	609	(3,339)	609	(3,339)
40	<b>Total Revenues</b>	<b>440,924</b>	<b>613,035</b>	<b>172,111</b>	<b>39.03%</b>				

Additional Gallons to be Pumped (In 1,000's)

Usage	Summer		Dollar Increase	Percent Increase	Usage	Winter		Dollar Increase	Percent Increase
	Present Bill	Proposed Bill				Present Bill	Proposed Bill		
\$	440.00	616.00	\$ 176.00	40.00%	-	\$ 440.00	\$ 616.00	\$ 176.00	40.00%
1,000	440.00	616.00	\$ 176.00	40.00%	1,000	440.00	616.00	176.00	40.00%
2,000	440.00	616.00	\$ 176.00	40.00%	2,000	440.00	616.00	176.00	40.00%
3,000	440.00	616.00	\$ 176.00	40.00%	3,000	440.00	616.00	176.00	40.00%
4,000	440.00	616.00	\$ 176.00	40.00%	4,000	440.00	616.00	176.00	40.00%
5,000	440.00	616.00	\$ 176.00	40.00%	5,000	440.00	616.00	176.00	40.00%
6,000	440.00	616.00	\$ 176.00	40.00%	6,000	440.00	616.00	176.00	40.00%
7,000	440.00	616.00	\$ 176.00	40.00%	7,000	440.00	616.00	176.00	40.00%
8,000	440.00	616.00	\$ 176.00	40.00%	8,000	440.00	616.00	176.00	40.00%
9,000	440.00	616.00	\$ 176.00	40.00%	9,000	440.00	616.00	176.00	40.00%
10,000	440.00	616.00	\$ 176.00	40.00%	10,000	440.00	616.00	176.00	40.00%
11,000	440.00	616.00	\$ 176.00	40.00%	11,000	440.00	616.00	176.00	40.00%
12,000	440.00	616.00	\$ 176.00	40.00%	12,000	440.00	616.00	176.00	40.00%
13,000	440.00	616.00	\$ 176.00	40.00%	13,000	440.00	616.00	176.00	40.00%
14,000	440.00	616.00	\$ 176.00	40.00%	14,000	440.00	616.00	176.00	40.00%
15,000	440.00	616.00	\$ 176.00	40.00%	15,000	440.00	616.00	176.00	40.00%
16,000	440.00	616.00	\$ 176.00	40.00%	16,000	440.00	616.00	176.00	40.00%
17,000	440.00	616.00	\$ 176.00	40.00%	17,000	440.00	616.00	176.00	40.00%
18,000	440.00	616.00	\$ 176.00	40.00%	18,000	440.00	616.00	176.00	40.00%
94,000	511.42	716.00	\$ 205.58	40.12%	94,000	505.50	707.50	202.00	39.96%
95,000	512.42	718.00	\$ 205.58	40.12%	95,000	506.81	709.33	202.52	39.96%
96,000	513.84	720.00	\$ 206.16	40.12%	96,000	508.12	711.16	203.04	39.96%
97,000	515.26	722.00	\$ 206.74	40.12%	97,000	509.43	712.99	203.56	39.96%
98,000	516.68	724.00	\$ 207.32	40.13%	98,000	510.74	714.82	204.08	39.96%
99,000	518.10	726.00	\$ 207.90	40.13%	99,000	512.05	716.65	204.60	39.96%
120,000	547.92	768.00	\$ 220.08	40.17%	120,000	539.56	755.08	215.52	39.94%
128,000	559.28	784.00	\$ 224.72	40.18%	128,000	550.04	769.72	219.68	39.94%
129,000	560.70	786.00	\$ 225.30	40.18%	129,000	551.35	771.55	220.20	39.94%
149,000	589.10	826.00	\$ 236.90	40.21%	149,000	577.55	808.15	230.60	39.93%
159,000	603.30	846.00	\$ 242.70	40.23%	159,000	590.65	826.45	235.80	39.92%
185,000	640.22	898.00	\$ 257.78	40.26%	185,000	624.71	874.03	249.32	39.91%
193,000	651.58	914.00	\$ 262.42	40.27%	193,000	635.19	888.67	253.48	39.91%
201,000	662.94	930.00	\$ 267.06	40.28%	201,000	645.67	903.31	257.64	39.90%
214,000	681.40	956.00	\$ 274.60	40.30%	214,000	662.70	927.10	264.40	39.90%
248,000	729.68	1,024.00	\$ 294.32	40.34%	248,000	707.24	989.32	282.08	39.88%
Average Usage	605.08	\$ 848.50	\$ 243.43	40.23%	Average Usage	592.29	828.74	236.45	39.92%
160,250	\$				160,250	592.29	828.74	236.45	39.92%
Median Usage	596.20	\$ 836.00	\$ 239.80	40.22%	Median Usage	584.10	817.30	233.20	39.92%
154,000	\$				154,000	584.10	817.30	233.20	39.92%

**Present Rates:**  
 Monthly Minimum: \$ 440.00  
 Gallons in Minimum: 44,000  
 Charge Per 1,000 Gallons: Summer 1.42 \$ Winter 1.31  
 Up to 99,999,999 \$ 1.42 \$ 1.31  
 Up to 99,999,998 \$ 1.42 \$ 1.31  
 Over 100,000,000 \$ 1.42 \$ 1.31

**Proposed Rates:**  
 Monthly Minimum: \$ 616.00  
 Gallons in Minimum: 44,000  
 Charge Per 1,000 Gallons: Summer 2.00 \$ Winter 1.83  
 Up to 99,999,999 \$ 2.00 \$ 1.83  
 Up to 99,999,999 \$ 2.00 \$ 1.83  
 Over 100,000,000 \$ 2.00 \$ 1.83

Arizona American - Havasu Water  
 Bill Comparison  
 Customer Classification

Multi-family 064 4 Inch

Summer

Usage	Present Bill	Proposed Bill	Dollar Increase	Percent Increase
\$	640.00	\$ 896.00	\$ 256.00	40.00%
1,000	640.00	896.00	\$ 256.00	40.00%
2,000	640.00	896.00	\$ 256.00	40.00%
3,000	640.00	896.00	\$ 256.00	40.00%
4,000	640.00	896.00	\$ 256.00	40.00%
5,000	640.00	896.00	\$ 256.00	40.00%
6,000	640.00	896.00	\$ 256.00	40.00%
7,000	640.00	896.00	\$ 256.00	40.00%
8,000	640.00	896.00	\$ 256.00	40.00%
9,000	640.00	896.00	\$ 256.00	40.00%
10,000	640.00	896.00	\$ 256.00	40.00%
11,000	640.00	896.00	\$ 256.00	40.00%
12,000	640.00	896.00	\$ 256.00	40.00%
13,000	640.00	896.00	\$ 256.00	40.00%
14,000	640.00	896.00	\$ 256.00	40.00%
15,000	640.00	896.00	\$ 256.00	40.00%
16,000	640.00	896.00	\$ 256.00	40.00%
17,000	640.00	896.00	\$ 256.00	40.00%
18,000	640.00	896.00	\$ 256.00	40.00%
19,000	640.00	896.00	\$ 256.00	40.00%
20,000	640.00	896.00	\$ 256.00	40.00%
80,000	662.72	928.00	\$ 265.28	40.03%
81,000	664.14	930.00	\$ 265.86	40.03%
82,000	665.56	932.00	\$ 266.44	40.03%
83,000	666.98	934.00	\$ 267.02	40.03%
84,000	668.40	936.00	\$ 267.60	40.04%
85,000	669.82	938.00	\$ 268.18	40.04%
86,000	671.24	940.00	\$ 268.76	40.04%
164,000	782.00	1,096.00	\$ 314.00	40.15%
165,000	783.42	1,098.00	\$ 314.58	40.15%
166,000	784.84	1,100.00	\$ 315.16	40.16%
167,000	786.26	1,102.00	\$ 315.74	40.16%
168,000	787.68	1,104.00	\$ 316.32	40.17%
172,000	796.20	1,116.00	\$ 319.80	40.17%
182,000	807.56	1,132.00	\$ 324.44	40.18%
185,000	811.82	1,138.00	\$ 326.18	40.18%
193,000	823.18	1,154.00	\$ 330.82	40.19%
204,000	838.80	1,176.00	\$ 337.20	40.20%
206,000	841.64	1,180.00	\$ 338.36	40.20%
249,000	902.70	1,266.00	\$ 363.30	40.25%
447,000	1,183.86	1,662.00	\$ 478.14	40.39%

Average Usage  
 208,583 \$ 845.31 \$ 1,185.17 \$ 339.86 40.21%  
 Median Usage  
 183,500 \$ 809.69 \$ 1,135.00 \$ 325.31 40.18%

Arizona American - Havasu Water  
 Bill Comparison  
 Customer Classification

Multi-family 064 4 Inch

Step-One Rate Increase

Winter

Usage	Present Bill	Proposed Bill	Dollar Increase	Percent Increase
\$	640.00	\$ 896.00	\$ 256.00	40.00%
1,000	640.00	896.00	256.00	40.00%
2,000	640.00	896.00	256.00	40.00%
3,000	640.00	896.00	256.00	40.00%
4,000	640.00	896.00	256.00	40.00%
5,000	640.00	896.00	256.00	40.00%
6,000	640.00	896.00	256.00	40.00%
7,000	640.00	896.00	256.00	40.00%
8,000	640.00	896.00	256.00	40.00%
9,000	640.00	896.00	256.00	40.00%
10,000	640.00	896.00	256.00	40.00%
11,000	640.00	896.00	256.00	40.00%
12,000	640.00	896.00	256.00	40.00%
13,000	640.00	896.00	256.00	40.00%
14,000	640.00	896.00	256.00	40.00%
15,000	640.00	896.00	256.00	40.00%
16,000	640.00	896.00	256.00	40.00%
17,000	640.00	896.00	256.00	40.00%
18,000	640.00	896.00	256.00	40.00%
19,000	640.00	896.00	256.00	40.00%
20,000	640.00	896.00	256.00	40.00%
80,000	660.96	925.28	264.32	39.99%
81,000	662.27	927.11	264.84	39.99%
82,000	663.58	928.94	265.36	39.99%
83,000	664.89	930.77	265.88	39.99%
84,000	666.20	932.60	266.40	39.99%
85,000	667.51	934.43	266.92	39.99%
86,000	668.82	936.26	267.44	39.99%
164,000	771.00	1,079.00	308.00	39.95%
165,000	772.31	1,080.83	308.52	39.95%
166,000	773.62	1,082.66	309.04	39.95%
167,000	774.93	1,084.49	309.56	39.95%
168,000	776.24	1,086.32	310.08	39.95%
174,000	784.10	1,097.30	313.20	39.94%
182,000	794.58	1,111.94	317.36	39.94%
185,000	798.51	1,117.43	318.92	39.94%
193,000	808.99	1,132.07	323.08	39.94%
204,000	823.40	1,152.20	328.80	39.93%
206,000	826.02	1,155.86	329.84	39.93%
249,000	882.35	1,234.55	352.20	39.92%
447,000	1,141.73	1,596.89	455.16	39.87%

Average Usage  
 208,583 829.40 1,160.59 331.18 39.93%  
 Median Usage  
 183,500 796.55 1,114.69 318.14 39.94%

Exhibit  
 Schedule H-4  
 Page 13  
 Witness: Kozoman

**Present Rates:**  
 Monthly Minimum: \$ 640.00  
 Gallons in Minimum 64,000  
 Charge Per 1,000 Gallons Summer 1.42 \$ 1.31  
 Up to 99,999,999 \$ 1.42 \$ 1.31  
 Over 100,000,000 \$ 1.42 \$ 1.31

**Proposed Rates:**  
 Monthly Minimum: \$ 896.00  
 Gallons in Minimum 64,000  
 Charge Per 1,000 Gallons Summer 2.00 \$ 1.83  
 Up to 99,999,999 \$ 2.00 \$ 1.83  
 Over 100,000,000 \$ 2.00 \$ 1.83

Arizona American - Havasu Water  
 Bill Comparison  
 Customer Classification

Multi-family 089 1 Inch

Usage	Summer Present Bill	Summer Proposed Bill	Dollar Increase	Percent Increase
1,000	\$ 890.00	\$ 1,246.00	\$ 356.00	40.00%
2,000	890.00	1,246.00	356.00	40.00%
3,000	890.00	1,246.00	356.00	40.00%
4,000	890.00	1,246.00	356.00	40.00%
5,000	890.00	1,246.00	356.00	40.00%
6,000	890.00	1,246.00	356.00	40.00%
7,000	890.00	1,246.00	356.00	40.00%
8,000	890.00	1,246.00	356.00	40.00%
9,000	890.00	1,246.00	356.00	40.00%
10,000	890.00	1,246.00	356.00	40.00%
11,000	890.00	1,246.00	356.00	40.00%
12,000	890.00	1,246.00	356.00	40.00%
13,000	890.00	1,246.00	356.00	40.00%
14,000	890.00	1,246.00	356.00	40.00%
15,000	890.00	1,246.00	356.00	40.00%
16,000	890.00	1,246.00	356.00	40.00%
17,000	890.00	1,246.00	356.00	40.00%
18,000	890.00	1,246.00	356.00	40.00%
19,000	890.00	1,246.00	356.00	40.00%
93,000	895.68	1,254.00	\$ 358.32	40.01%
94,000	897.10	1,256.00	\$ 358.90	40.01%
105,000	912.72	1,278.00	\$ 365.28	40.02%
118,000	931.18	1,304.00	\$ 372.82	40.04%
121,000	935.44	1,310.00	\$ 374.56	40.04%
195,000	1,040.52	1,458.00	\$ 417.48	40.12%
205,000	1,054.72	1,478.00	\$ 423.28	40.13%
237,000	1,100.16	1,542.00	\$ 441.84	40.16%
246,000	1,112.94	1,560.00	\$ 447.06	40.17%
325,000	1,225.12	1,718.00	\$ 492.88	40.23%
333,000	1,236.48	1,734.00	\$ 497.52	40.24%
325,000	1,225.12	1,718.00	\$ 492.88	40.23%
430,000	1,374.22	1,928.00	\$ 553.78	40.30%
432,000	1,377.06	1,932.00	\$ 554.94	40.30%
Average Usage				
256,000	\$ 1,127.14	\$ 1,580.00	\$ 452.86	40.18%
Median Usage				
241,500	\$ 1,106.55	\$ 1,551.00	\$ 444.45	40.17%

Arizona American - Havasu Water  
 Bill Comparison  
 Customer Classification

Multi-family 089 1 Inch

Usage	Winter Present Bill	Winter Proposed Bill	Dollar Increase	Percent Increase
1,000	\$ 890.00	\$ 1,246.00	\$ 356.00	40.00%
2,000	890.00	1,246.00	356.00	40.00%
3,000	890.00	1,246.00	356.00	40.00%
4,000	890.00	1,246.00	356.00	40.00%
5,000	890.00	1,246.00	356.00	40.00%
6,000	890.00	1,246.00	356.00	40.00%
7,000	890.00	1,246.00	356.00	40.00%
8,000	890.00	1,246.00	356.00	40.00%
9,000	890.00	1,246.00	356.00	40.00%
10,000	890.00	1,246.00	356.00	40.00%
11,000	890.00	1,246.00	356.00	40.00%
12,000	890.00	1,246.00	356.00	40.00%
13,000	890.00	1,246.00	356.00	40.00%
14,000	890.00	1,246.00	356.00	40.00%
15,000	890.00	1,246.00	356.00	40.00%
16,000	890.00	1,246.00	356.00	40.00%
17,000	890.00	1,246.00	356.00	40.00%
18,000	890.00	1,246.00	356.00	40.00%
19,000	890.00	1,246.00	356.00	40.00%
93,000	895.24	1,253.32	358.08	40.00%
94,000	896.55	1,255.15	358.60	40.00%
105,000	910.96	1,275.28	364.32	39.99%
118,000	927.99	1,299.07	371.08	39.99%
121,000	931.92	1,304.56	372.64	39.99%
195,000	1,028.86	1,439.98	411.12	39.96%
205,000	1,041.96	1,458.28	416.32	39.96%
237,000	1,083.88	1,516.84	432.96	39.95%
246,000	1,095.67	1,533.31	437.64	39.94%
325,000	1,199.16	1,677.88	478.72	39.92%
333,000	1,209.64	1,692.52	482.88	39.92%
325,000	1,199.16	1,677.88	478.72	39.92%
430,000	1,336.71	1,870.03	533.32	39.90%
432,000	1,339.33	1,873.69	534.36	39.90%
Average Usage				
256,000	1,108.77	1,551.61	442.84	39.94%
Median Usage				
241,500	1,089.78	1,525.08	435.30	39.94%

Exhibit  
 Schedule H-4  
 Page 16  
 Witness: Kozoman

**Present Rates:**  
 Monthly Minimum: \$ 890.00  
 Gallons in Minimum: 89,000  
 Charge Per 1,000 Gallons: Summer \$ 1.42 \$ 1.31  
 Up to 99,999,999 \$ 1.42 \$ 1.31  
 Up to 99,999,998 \$ 1.42 \$ 1.31  
 Over 100,000,000 \$ 1.42 \$ 1.31

**Proposed Rates:**  
 Monthly Minimum: \$1,246.00  
 Gallons in Minimum: 89,000  
 Charge Per 1,000 Gallons: Summer \$ 2.00 \$ 1.83  
 Up to 99,999,999 \$ 2.00 \$ 1.83  
 Up to 99,999,998 \$ 2.00 \$ 1.83  
 Over 100,000,000 \$ 2.00 \$ 1.83