#### ATTACHMENT E STAFF REPORT CASE NO. 2003-00486 STAFF'S RECOMMENDED RATE

Table 1									
Revenue &	Expense Adju	ıstm	ents						
	Test Year Operations (11/02 - 10/03)		Proposed	Ref.	Adjusted Test Year Operations				
OPERATING INCOME									
Water Sales	\$1,453,229	(1)	\$6,435	(2)	\$1,459,664				
Misc. Service Rev. & Misc.	27,903	` '	. ,	( )	27,903				
Forfeited Discounts	28,357				28,357				
Interest Income & Other Rev.	8,342				8,342				
Total Operating Income	\$1,517,831		\$6,435		\$1,524,266				
OPERATION & MAINT. EXPENSES									
Source of Supply - Power	5,444		403	(3)	5,847				
Source of Supply - Other	7,705		244	(4)	7,949				
Water Treatment - Power	58,543		4,338	(3)	62,881				
Water Treatment - Other	180,407		0	(4)	180,407				
Trans. & Dist Power	31,592		2,340	(3)	33,932				
Trans. & Dist Meters & Services	62,468		0	(5)	62,468				
Trans. & Dist Other	230,490		0	(6)	230,490				
Cust. Accounts - Meter Testing	9,134		0	(5)	9,134				
Cust. Accounts - Other	178,728		0	(5)	178,728				
Admin. & General	102,501		0	(5)	102,501				
Total Operating Expenses	\$867,012		\$7,326		\$874,338				
OTHER EXPENSES									
Depreciation	347,821		23,000	(7)	370,821				
PSC Assessment	2,765				2,765				
Tax Expense	2,372				2,372				
Interest Expense - Deposits	2,518				2,518				
Total Other Expenses	\$355,476		\$23,000		\$378,476				
DEBT REPAYMENT									
Interest	285,662				285,662				
Principal	130,612				130,612				
Total Debt Repayment	\$416,274		\$0		\$416,274				
TOTAL EXPENSES & PRINCIPAL	\$1,638,762		\$30,326		\$1,669,088				
NET INCOME AFTER PRINCIPAL  COVERAGE	<u>-\$120,931</u> 0.71		<u>-\$23,891</u>		<u>-\$144,822</u> 0.65				

Table 2 Usage Factors	
Maximum Day Usage Maximum Hour Average Day	1,180,500 88,331 847,976
Base Factor (avg day / max. day)	0.718
Max Day Factor (max day - avg day) / max day	0.282
Max. Hour Factor To Base (avg day / (max hr x 24)) To max day ((max day - avg day) / (max hr x To max hour ((max hr - max day) / (max hr x	0.400 0.157 0.443

Allocation of Plant Value								
					Customer,			
		_	Maximum	Maximum	Meters and			
Item	Total \$	Base \$	Day \$	Hour \$	Services \$			
Land and Land Rights								
Source of Supply & Pumping	7,847	5,634	2,213					
Water Treatment Plant	60,677	43,566	17,111					
Transmission & Distribution	12,130	4,852	1,904	5,374				
Structures & Improvements								
Source of Supply & Pumping	205,228	147,354	57,874					
Water Treatment Plant	326,595	234,495	92,100					
River Intake	5,340	3,834	1,506					
Pumping Equipment	563,304	404,452	158,852					
Water Treatment Equipment	1,415,640	1,016,430	399,210					
Distribution Reservoir and Standpipes	1,420,424	568,170	223,007	629,248				
Fransmission and Distribution Mains	10,138,999	4,055,600	1,591,823	4,491,577				
Services	827,589				827,589			
Meters and Installations	1,137,560				1,137,560			
Hydrants	54,731	54,731						
Other Plant and Misc Equipment	2,569	1,845	724					
Subtotal	16,178,633	6,540,962	2,546,324	5,126,198	1,965,149			
Factors		0.4043	0.1574	0.3168	0.1215			
General Plant								
Office Furniture and Equipment	58,836	23,787	9,260	18,642	7,147			
Transportation Equipment	38,358	15,508	6,037	12,154	4,659			
Tools, Shop, and Etc.	7,898	3,193	1,243	2,502	959			
Communication Equipment	348	141	55	110	42			
Miscellaneous Equipment	1,240	501	195	393	151			
Other Tangible Plant	6,888	2,785	1,084	2,182	837			
Subtotal	113,568	45,915	17,874	35,984	13,795			
Total	16,292,201	6,586,877	2,564,198	5,162,182	1,978,944			
Percentage of Total		40.43%	15.74%	31.68%	12.15%			
<u> </u>								

	Table 4									
	Allocation of Depreciation									
Item	Total \$	Base \$	Maximum Day \$	Maximum Hour \$	Customer \$					
Structures and Improvements	10,640	7,640	3,000							
River Intake & Supply Mains	169	121	48							
Pumping Equipment	11,264	8,088	3,176							
Water Treatment Equipment	37,498	26,924	10,574							
Distribution Reservoirs and Standpipes	32,606	13,042	5,119	14,444						
Transmission and Distribution Mains	220,044	88,018	34,547	97,479						
Services	16,366				16,366					
Meters	23,639				23,639					
Hydrants	2,125	2,125								
Other Plant and Miscellaneous	50	50								
Subtotal	354,401	146,007	56,465	111,924	40,005					
Factors		0.4120	0.1593	0.3158	0.1129					
Office Furniture and Equipment	10,123	4,170	1,613	3,197	1,143					
Transportation Equipment	5,455	2,247	869	1,723	616					
Tools, Shop and Etc.	579	239	92	183	65					
Misc. Equipment & Other	263	108	42	83	30					
Subtotal	16,420	6,765	2,616	5,186	1,853					
Total	370,821	152,772	59,081	117,110	41,858					

Table 5										
Allocation of Operation and Maintenance Expense										
Item	Total \$	Base \$	Maximum Day \$	Maximum Hour \$	Meters and Services \$	Billing and Collecting				
Source of Supply & Treatment	257,084	184,586	72,498							
Transmission and Distribution	326,890	105,769	41,514	117,139	62,468					
Customer Accounts	187,862				9,134	178,728				
Subtotal	771,836	290,355	114,012	117,139	71,602	178,728				
Percentages	_	0.3762	0.1477	0.1518	0.0928	0.2316				
Administrative and General	102,501	38,560	15,141	15,556	9,509	23,735				
Taxes, PSC Ass'mt. & Int. Exp.	7,655	2,880	1,131	1,162	710	1,773				
Total Operation and Maint.	881,992	331,794	130,284	133,857	81,821	204,236				
Depreciation	370,821	152,772	59,081	117,110	41,858					
Debt - Principle and Interest	416,274	168,298	65,517	131,896	50,563					
1.2 Debt Coverage	83,255	33,660	13,103	26,379	10,113					
Total Expenses	\$1,752,342	\$686,523	\$267,985	\$409,242	\$123,679	\$264,912				

				Table 6		0.407514	
		ANAL	YSIS OF WA	ATER USAGE	ON FUTURE	SYSIEM	
<u>5/8" ME</u>	TER	<u>S:</u>		RESIDENT	TAL	COMMERC	CIAL
USAGE	E/MO	N	AVG	NO. BILLS	USAGE	NO. BILLS	<u>USAGE</u>
0	to	2,000	900	12,691	12,099,29		763,990
2	to	3,000	2,516	7,992	20,111,670		337,340
3	to	4,000	3,498	7,981	27,921,36	3 101	351,110
4	to	5,000	4,480	6,747	30,225,78	107	478,990
5	to	6,000	5,475	4,923	26,953,82	7 74	406,450
6	to	8,000	6,872	5,691	39,105,73		850,680
8	to	10,000	8,885	2,336	20,753,78		409,150
10	to	12,000	10,862	1,014	11,003,69		444,970
12	to	16,000	13,645	835	11,380,460		626,710
16	to	20,000	17,745	276	4,895,660		356,960
20	to	25,000	22,304	148	3,309,050		527,210
25	to	50,000	32,616	148	4,813,87		2,068,090
50	to	100,000	67,706	20	1,300,93		2,016,680
100	&	Above	117,555	10	874,22	1 15	2,064,650
		SUBTOT	ALS	50,812	214,749,33	2,432	11,702,980
1" MET	<u>ERS</u>			DECIDENT	-1 4 1	COMMEDI	2141
				RESIDENT	IAL	COMMERC	JIAL
USAGE	E/MO		<u>AVG</u>	NO. BILLS	<u>USAGE</u>	NO. BILLS	<u>USAGE</u>
О	to	5,000	1,713	111	249,77		151,000
5	to	6,000	5,542	43	238,110		27,890
6	to	7,000	6,546	30	196,31		19,700
7	to	8,000	7,599	16	121,58		22,810
8	to	9,000	8,610	10	85,810		26,120
9	to	10,000	9,644	8	77,210		38,520
10	to	12,000	10,836	9	96,96		43,910
12	to	16,000	13,509	18	241,720		82,500
16	to	20,000	17,753	11	191,87		234,200
20	to	25,000	22,489	5	117,750		219,590
25	to	50,000	32,915	6	198,36		558,690
50	to	100,000	70,666	7	465,530		1,159,780
100	&	Above	279,476	2	446,260	26	7,379,070
		SUBTOT	ALS	276	2,727,24	233	9,963,780
<u>1 1/2" N</u>	/ETE	RS:		RESIDENT	TAL	COMMERC	CIAL
USAGE			<u>AVG</u>	NO. BILLS	<u>USAGE</u>	NO. BILLS	<u>USAGE</u>
0	to	10,000	2,500	0		0 12	30,000
10	to	12,000	0	0		0	0
12	to	14,000	0	0		0	0
14	to	16,000	0	0		0	0
16	to	18,000	0	0		0	0
18	to	20,000	0	0		0	0
20	to	25,000	0	0		0	0
25	to	50,000	42,700	0		5	213,500
50	to	100,000	78,810	0		0 10	788,100
100	&	Above	144,167	О	•	9	1,297,500
		SUBTOT	ALS	0	•	36	2,329,100

Table N	lo. 6	- Continu	ıed					
2" MET	ERS	<u>!</u>		RESIDENT	TAL	_	COMMERC	CIAL
USAGE	E/MO	N	<u>AVG</u>	NO. BILLS	<u>USAGE</u>		NO. BILLS	USAGE
0	to	16,000	7,559	0		0	34	257,000
16	to	18,000	16,500	0		0	1	16,500
18	to	20,000	19,340	0		0	5	96,700
20	to	25,000	21,725	0		0	4	86,900
25	to	50,000	36,104	0		0	23	830,400
50	to	100,000	68,323	0		0	13	888,200
100	&	Above	453,800	0		0	26	11,798,800
		SUBTOT	ALS	0		0	106	13,974,500
3" MET	ERS	<u>.</u>						
							COMMERC	CIAL
USAGE	<u>=/MO</u>	<u>N</u>	<u>AVG</u>	NO. BILLS	<u>USAGE</u>		NO. BILLS	<u>USAGE</u>
0	to	25,000	15,240	0		0	5	76,200
25	to	30,000	25,700	0		0	1	25,700
30	to	40,000	36,500	0		0	1	36,500
40	to	50,000	44,500	0		0	4	178,000
50	to	75,000	57,900	0		0	1	57,900
75	to	100,000	0	0		0	0	C
100	&	Above	0	0		0	0	O
		SUBTOT	ALS	0		0	12	374,300
6" MET	ERS	<u> </u>						
							COMMERC	CIAL
USAGE	E/MO	N	AVG	NO. BILLS	<u>USAGE</u>		NO. BILLS	<u>USAGE</u>
0	to	60,000	23,523	0	<u> </u>	0	22	517,500
60	to	70,000	64,500	0		0	2	129,000
70	to	80,000	76,500	0		0	1	76,500
80	to	90,000	83,500	0		0	2	167,000
90	to	100,000	93,500	0		0	1	93,500
100	&	Above	163,750	0		0	8	1,310,000
		SUBTOT	ALS	0	63,70	0 80	36	2,293,500
-	ГОТА	ALS		51,088	217,476,5		2,855	40,638,160

## Table 7 Units of Service

#### Water Usage Patterns:

	Base							
Usage <u>Block</u>		Adj. for Min. (gals x 1000)	Adjusted Sales (gals x 1000)	Avg. Day (gpd x 1000)	Capacity <u>Factor</u>	Total Capacity (gpd x 1000)	Extra Capacity (gpd x 1000)	Capacity <u>Factor</u>
0 - 6,000	188,074.6	16,595.9	204,670.5	560.7	1.42	796.2	235.5	2.6
6 - 50,000	47,626.5	1,132.3	48,758.8	133.6	1.35	180.4	46.8	2.3
50 - 100,000	6,843.1	6.0	6,849.1	18.8	1.28	24.1	5.3	1.9
100 & above	15,570.5		15,570.5	42.7	1.20	51.2	8.5	1.5
Totals	258,114.7	7 17,734.2	275,849.0	755.8	1.39	1,051.9	296.1	2.5

### Number of Services and Equivalents:

	Service	Service	No. of	No. of
Meter Size	<u>Cost</u>	<u>Ratios</u>	<u>Services</u>	<u>Equivalents</u>
5/8 x 3/4"	450	1.00	53,244	53,244
1"	550	1.22	509	622
1-1/2"	1,150	2.56	36	92
2"	1,300	2.89	106	306
3"	4,000	8.89	12	107
4"	10,200	22.67	0	0
6"	13,600	30.22	36	1,088
8"	16,400	36.44	0	0
	<b>Annual Totals</b>		53,943	55,459
	Average Montl	hly Totals	4,495	4,622

Table 8									
Unit Cost of Service per 1,000 Gallons or Meter									
Item	Base	Maximum Day	Maximum Hour	Meters and Services \$	Collecting \$				
Total System Units of Service	075 040 0	200.4	0.14.4	55.450	50.040				
Number Units	275,849.0 thou. gals.	296.1 thou. gals.	841.1 thou. gals.	55,459 equiv. mtrs.	53,943 no. of bills				
T		J		•	<b>#</b> 004.040				
Total Expenses less Misc. Revenue	\$686,523 -64,602	\$267,985	\$409,242	\$123,679	\$264,912				
less Private Fire Serv. Revenu	-6,790								
Cost of Service to be Allocated	\$615,132	\$267,985	\$409,242	\$123,679	\$264,912				
Unit Cost of Service	\$2.23	\$905.05	\$486.56	\$2.23	\$4.91				

Table 9									
Cost Distribution to Rate Blocks									
				Total Cost of	Rate per				
16	D	Maximum	Maximum	Service by	Thou. Gals.				
Item	Base	Day	Hour	Block	by Block				
Unit Cost of Service	\$2.23	\$905.05	\$486.56						
Units	thou. gals.	thou. gals.	thou. gals.						
	arear gamer	arear gamer	unoun ganor						
Rate Blocks:									
0 - 6,000 gals.	0040705	005.5	000 7						
Units of Service	204,670.5	235.5	689.7						
Allocated Costs	\$456,415	\$213,139	\$335,580	\$1,005,134	\$4.91				
6 - 50,000 gals.	40 ==0 0	40.0	400.0						
Units of Service	48,758.8	46.8	126.9						
Allocated Costs	\$108,732	\$42,356	\$61,744	\$212,832	\$4.36				
50 - 100,000 gals.									
Units of Service	6,849.1	5.3	11.6						
Allocated Costs	\$15,274	\$4,797	\$5,644	\$25,715	\$3.75				
7 modated Costs	Ψ10,214	ψ+,101	ψυ,υ	Ψ25,7 15	ψ5.75				
100,000 & above									
Units of Service	15,570.5	8.5	12.9						
Allocated Costs	\$34,722	\$7,693	\$6,277	\$48,692	\$3.13				
Allocated Costs	ΨΟΨ,1 ΔΖ	Ψ1,033	ψ0,211	ψ40,032	ψυ. 13				

	Table 10									
	Customer Charges									
Unit Cust.	Unit Cust. Cost - Billing & Collecting \$4.91									
Unit Cust.	Cost - Meters 8	Services	\$2.23							
Service Size	Annual Connections	Monthly Billing & Col. Costs	Service Ratio	Monthly Service Costs	Total Monthly Customer Charge	Total Annual Customer Charges				
						<del></del>				
5/8 x 3/4"	53,244	4.91	1.00	2.23	7.14	\$380,162				
1"	509	4.91	1.22	2.73	7.64	3,889				
1-1/2"	36	4.91	2.56	5.70	10.61	382				
2"	106	4.91	2.89	6.44	11.35	1,203				
3"	12	4.91	8.89	19.82	24.73	297				
4"	0	4.91	22.67	50.55	55.46	0				
6"	36	4.91	30.22	67.40	72.31	2,603				
8"	0	4.91	36.44	81.27	86.18	0				
Total	53,943					\$388,536				

# Table 11 Calculation of Minimum Bills and Summary of Charges

### **Minimum Bills**

		Proposed	ſ			Existing
Meter	Cust.	1,000 gals.	Water	Proposed	<b>Existing</b>	1,000 gals.
Size	Charge	in min.	Charges	Min. Bills	Min. Bills	in Min.
5/8 x 3/4"	7.14	2.0	\$9.82	\$16.96	\$14.11	2.0
1"	7.64	5.0	24.55	32.19	30.05	5.0
1-1/2"	10.61	10.0	46.90	57.51	53.87	10.0
2"	11.35	16.0	73.06	84.41	81.61	16.0
3"	24.73	25.0	112.30	137.03	141.90	30.0
4"	55.46	30.0	134.10	189.56	231.67	50.0
6"	72.31	60.0	258.80	331.11	426.21	100.0
8"	86.18	80.0	333.80	419.98		

### **Water Usage Charges**

	Proposed	Existing
Usage	Rate	Rate
0 - 6,000	\$4.91	\$4.55
6 - 50,000	4.36	4
50 - 100,000	3.75	3
100 & above	3.13	2

EXISTING RATE ANALYSIS:							
Usage <u>Block</u>	Annual Sales (gals x 1000)		Gals Sold Above Min.	Rate per 1000 gals.	Rev. from <u>Usage Charges</u>		
0 - 6,000 6 - 50,000 50 - 100,000	187,058.8 47,558.5 6,843.1	13,225 876 466	173,833.9 46,682.1 6,377.1	\$4.55 3.96 3.37	\$790,944 184,861 21,491		
100 & above	15,570.5		15,570.5	2.01	31,297		
Totals	•		242,463.7	:	\$1,028,593		
Meter <u>Size</u>	No. of Minimum Bills	No. of Bills Above Min.	Minimum <u>Bills</u>	Rev. from Min. Bills	Customer <u>Charges</u>	Rev. From <u>Cust. Chgs.</u>	
5/8 x 3/4" 1"	14,221 234	38,723 275	\$14.11 30.05	\$200,658 7,032	\$5.01 7.30	\$194,002 2,008	
1-1/2" 2"	12 34	24 72	53.87 81.61	646 2,775	10.73 14.71	258 1,059	
3"	6	6	141.90	851	19.56	117	
4" 6"	0 28	0	231.67 426.21	0 11,934	30.13 56.17	0 449	
Totals	14,535	39,108		\$223,896	<u>-</u>	\$197,893	
	Total Sales Re			-	\$1,453,229		
	Less Existing Actual Revenu	g Private Fire S ue from Gene			-6,790 \$1,446,439	016 *	
	Total Existing			ve	\$1,450,383	OK *	
	* Difference	is less than C	0.3 percent.				
			<u> </u>				
PROPOSED	RATE ANALYS	SIS:	·				
PROPOSED  Usage Block	RATE ANALYS  Annual Sales (gals x 1000)	<u>_</u>	Gals Sold	Rate per	Rev. from Usage Charges		
Usage <u>Block</u> 0 - 6,000	Annual Sales (gals x 1000) 188,074.6	Gals. Incl'd. in Min. Bills 13,294	Gals Sold Above Min. 174,780.5	1000 gals. \$4.91	Usage Charges \$858,172		
Usage <u>Block</u>	Annual Sales (gals x 1000)	Gals. Incl'd. in Min. Bills	Gals Sold Above Min.	1000 gals.	<u>Usage Charges</u>		
Usage <u>Block</u> 0 - 6,000 6 - 50,000 50 - 100,000	Annual Sales (gals x 1000) 188,074.6 47,626.5 6,843.1 15,570.5	Gals. Incl'd. in Min. Bills 13,294	Gals Sold Above Min. 174,780.5 46,775.8 6,843.1	1000 gals. \$4.91 4.36 3.75	Usage Charges \$858,172 203,943 25,662		
Usage <u>Block</u> 0 - 6,000 6 - 50,000 50 - 100,000 100 & above  Totals  Meter <u>Size</u> 5/8 x 3/4"	Annual Sales (gals x 1000) 188,074.6 47,626.5 6,843.1 15,570.5 258,114.7 No. of Minimum Bills 14,300	Gals. Incl'd. in Min. Bills 13,294 851  No. of Bills Above Min. 38,944	Gals Sold  Above Min.  174,780.5  46,775.8  6,843.1  15,570.5  Minimum  Bills  \$16.96	1000 gals. \$4.91 4.36 3.75 3.13 Rev. from Min. Bills \$242,528	Usage Charges \$858,172 203,943 25,662 48,736 \$1,136,512 Customer Charges \$7.14	Other <u>Cust. Chgs.</u> \$278,060	
Usage <u>Block</u> 0 - 6,000 6 - 50,000 50 - 100,000 100 & above  Totals  Meter <u>Size</u> 5/8 x 3/4" 1" 1-1/2"	Annual Sales (gals x 1000) 188,074.6 47,626.5 6,843.1 15,570.5 258,114.7 No. of Minimum Bills	Gals. Incl'd. in Min. Bills 13,294 851  No. of Bills Above Min. 38,944 275 24	Gals Sold Above Min. 174,780.5 46,775.8 6,843.1 15,570.5  Minimum Bills \$16.96 32.19 57.51	1000 gals. \$4.91 4.36 3.75 3.13 Rev. from Min. Bills	Usage Charges \$858,172 203,943 25,662 48,736 \$1,136,512 Customer Charges \$7.14 7.64 10.61	Cust. Chgs. \$278,060 2,101 255	
Usage <u>Block</u> 0 - 6,000 6 - 50,000 50 - 100,000 100 & above  Totals  Meter <u>Size</u> 5/8 x 3/4" 1"	Annual Sales (gals x 1000) 188,074.6 47,626.5 6,843.1 15,570.5 258,114.7 No. of Minimum Bills 14,300 234	Gals. Incl'd. in Min. Bills 13,294 851  No. of Bills Above Min. 38,944 275	Gals Sold Above Min. 174,780.5 46,775.8 6,843.1 15,570.5  Minimum Bills \$16.96 32.19 57.51 84.41	1000 gals. \$4.91 4.36 3.75 3.13 Rev. from Min. Bills \$242,528 7,532	Usage Charges \$858,172 203,943 25,662 48,736 \$1,136,512 Customer Charges \$7.14 7.64	Cust. Chgs. \$278,060 2,101	
Usage Block 0 - 6,000 6 - 50,000 50 - 100,000 100 & above  Totals  Meter Size 5/8 x 3/4" 1" 1-1/2" 2" 3" 4"	Annual Sales (gals x 1000) 188,074.6 47,626.5 6,843.1 15,570.5 258,114.7 No. of Minimum Bills 14,300 234 12 34 5 0	No. of Bills Above Min. 38,944 275 24 72 7	Gals Sold Above Min. 174,780.5 46,775.8 6,843.1 15,570.5  Minimum Bills \$16.96 32.19 57.51 84.41 137.03 189.56	1000 gals. \$4.91 4.36 3.75 3.13 Rev. from Min. Bills \$242,528 7,532 690 2,870 685 0	Usage Charges \$858,172 203,943 25,662 48,736 \$1,136,512 Customer Charges \$7.14 7.64 10.61 11.35 24.73 55.46	Cust. Chgs. \$278,060 2,101 255 817 173 0	
Usage Block 0 - 6,000 6 - 50,000 50 - 100,000 100 & above  Totals  Meter Size 5/8 x 3/4" 1" 1-1/2" 2" 3"	Annual Sales (gals x 1000) 188,074.6 47,626.5 6,843.1 15,570.5 258,114.7 No. of Minimum Bills 14,300 234 12 34 5 0 22	Gals. Incl'd. in Min. Bills 13,294 851  No. of Bills Above Min. 38,944 275 24 72 7	Gals Sold Above Min. 174,780.5 46,775.8 6,843.1 15,570.5  Minimum Bills \$16.96 32.19 57.51 84.41 137.03	1000 gals. \$4.91 4.36 3.75 3.13 Rev. from Min. Bills \$242,528 7,532 690 2,870 685	Usage Charges \$858,172 203,943 25,662 48,736 \$1,136,512 Customer Charges \$7.14 7.64 10.61 11.35 24.73	Cust. Chgs. \$278,060 2,101 255 817 173	
Usage Block 0 - 6,000 6 - 50,000 50 - 100,000 100 & above  Totals  Meter Size 5/8 x 3/4" 1" 1-1/2" 2" 3" 4" 6"	Annual Sales (gals x 1000) 188,074.6 47,626.5 6,843.1 15,570.5 258,114.7 No. of Minimum Bills 14,300 234 12 34 5 0 22	Gals. Incl'd. in Min. Bills 13,294 851  No. of Bills Above Min. 38,944 275 24 72 7 0 14 39,336	Gals Sold  Above Min.  174,780.5  46,775.8  6,843.1  15,570.5  Minimum  Bills  \$16.96  32.19  57.51  84.41  137.03  189.56  331.11	1000 gals. \$4.91 4.36 3.75 3.13  Rev. from Min. Bills \$242,528 7,532 690 2,870 685 0 7,284 \$261,590	Usage Charges \$858,172 203,943 25,662 48,736 \$1,136,512 Customer Charges \$7.14 7.64 10.61 11.35 24.73 55.46	Cust. Chgs. \$278,060 2,101 255 817 173 0 1,012	
Usage Block 0 - 6,000 6 - 50,000 50 - 100,000 100 & above  Totals  Meter Size 5/8 x 3/4" 1" 1-1/2" 2" 3" 4" 6"	Annual Sales (gals x 1000) 188,074.6 47,626.5 6,843.1 15,570.5 258,114.7 No. of Minimum Bills 14,300 234 12 34 5 0 22 14,607  Total General	Gals. Incl'd. in Min. Bills 13,294 851  No. of Bills Above Min. 38,944 275 24 72 7 0 14 39,336  Service Reve	Gals Sold  Above Min.  174,780.5  46,775.8  6,843.1  15,570.5  Minimum  Bills  \$16.96  32.19  57.51  84.41  137.03  189.56  331.11  Enue Calcula  ervice Reven	1000 gals. \$4.91 4.36 3.75 3.13  Rev. from Min. Bills \$242,528 7,532 690 2,870 685 0 7,284 \$261,590  ted Above ue	Usage Charges \$858,172 203,943 25,662 48,736 \$1,136,512 Customer Charges \$7.14 7.64 10.61 11.35 24.73 55.46 72.31	Cust. Chgs. \$278,060 2,101 255 817 173 0 1,012	
Usage Block 0 - 6,000 6 - 50,000 50 - 100,000 100 & above  Totals  Meter Size 5/8 x 3/4" 1" 1-1/2" 2" 3" 4" 6"	Annual Sales (gals x 1000) 188,074.6 47,626.5 6,843.1 15,570.5 258,114.7 No. of Minimum Bills 14,300 234 12 34 5 0 22 14,607  Total General Plus Misc. &	Gals. Incl'd. in Min. Bills 13,294 851  No. of Bills Above Min. 38,944 275 24 72 7 0 14 39,336  Service Reve	Gals Sold  Above Min.  174,780.5  46,775.8  6,843.1  15,570.5  Minimum  Bills  \$16.96  32.19  57.51  84.41  137.03  189.56  331.11  enue Calcula  ervice Reventith Proposed	1000 gals. \$4.91 4.36 3.75 3.13  Rev. from Min. Bills \$242,528 7,532 690 2,870 685 0 7,284 \$261,590  ted Above ue	Usage Charges \$858,172 203,943 25,662 48,736 \$1,136,512 Customer Charges \$7.14 7.64 10.61 11.35 24.73 55.46 72.31	Cust. Chgs. \$278,060 2,101 255 817 173 0 1,012	

### Table 13 RATE SCHEDULE COMPARISON

				Percent
Existing \	Water Rates	Proposed	Change	
5/8" x 3/4" Meters		5/8" x 3/4" Meters		
First 2,000 gallons	\$14.11 Minimum Bill	First 2,000 gallons	\$16.96 Minimum Bill	20.2%
Next 4,000 gallons	4.55 per 1,000 gallons	Next 4,000 gallons	4.91 per 1,000 gallons	7.9%
Next 44,000 gallons	3.96 per 1,000 gallons	Next 44,000 gallons	4.36 per 1,000 gallons	10.1%
Next 50,000 gallons	3.37 per 1,000 gallons	Next 50,000 gallons	3.75 per 1,000 gallons	11.3%
Over 100,000 gallons	2.01 per 1,000 gallons	Over 100,000 gallons	3.13 per 1,000 gallons	55.7%
1" Meters		1" Meters		
First 5,000 gallons	\$30.05 Minimum Bill	First 5,000 gallons	\$32.19 Minimum Bill	7.1%
Next 1,000 gallons	4.55 per 1,000 gallons	Next 1,000 gallons	4.91 per 1,000 gallons	7.9%
Next 44,000 gallons	3.96 per 1,000 gallons	Next 44,000 gallons	4.36 per 1,000 gallons	10.1%
Next 50,000 gallons	3.37 per 1,000 gallons	Next 50,000 gallons	3.75 per 1,000 gallons	11.3%
Over 100,000 gallons	2.01 per 1,000 gallons	Over 100,000 gallons	3.13 per 1,000 gallons	55.7%
1-1/2" Meters		1-1/2" Meters		
First 10,000 gallons	\$53.87 Minimum Bill	First 10,000 gallons	\$57.51 Minimum Bill	6.8%
Next 40,000 gallons	3.96 per 1,000 gallons	Next 40,000 gallons	4.36 per 1,000 gallons	10.1%
Next 50,000 gallons	3.37 per 1,000 gallons	Next 50,000 gallons	3.75 per 1,000 gallons	11.3%
Over 100,000 gallons	2.01 per 1,000 gallons	Over 100,000 gallons	3.13 per 1,000 gallons	55.7%
2" Meters		2" Meters		
First 16,000 gallons	\$81.61 Minimum Bill	First 16,000 gallons	\$84.41 Minimum Bill	3.4%
Next 34,000 gallons	3.96 per 1,000 gallons	Next 34,000 gallons	4.36 per 1,000 gallons	10.1%
Next 50,000 gallons	3.37 per 1,000 gallons	Next 50,000 gallons	3.75 per 1,000 gallons	11.3%
Over 100,000 gallons	2.01 per 1,000 gallons	Over 100,000 gallons	3.13 per 1,000 gallons	55.7%
3" Meters		3" Meters		
First 30,000 gallons	\$141.90 Minimum Bill	First 25,000 gallons	\$137.03 Minimum Bill	-3.4%
Next 20,000 gallons	3.96 per 1,000 gallons	Next 25,000 gallons	4.36 per 1,000 gallons	10.1%
Next 50,000 gallons	3.37 per 1,000 gallons	Next 50,000 gallons	3.75 per 1,000 gallons	11.3%
Over 100,000 gallons	2.01 per 1,000 gallons	Over 100,000 gallons	3.13 per 1,000 gallons	55.7%
4" Meters		4" Meters		
First 50,000 gallons	\$231.67 Minimum Bill	First 30,000 gallons	\$189.56 Minimum Bill	-18.2%
Next 50,000 gallons	3.37 per 1,000 gallons	Next 20,000 gallons	4.36 per 1,000 gallons	10.1%
Over 100,000 gallons	2.01 per 1,000 gallons	Next 50,000 gallons	3.75 per 1,000 gallons	11.3%
		Over 100,000 gallons	3.13 per 1,000 gallons	55.7%
6" Meters		6" Meters		
First 100,000 gallons	\$426.21 Minimum Bill	First 60,000 gallons	\$331.11 Minimum Bill	-22.3%
Over 100,000 gallons	2.01 per 1,000 gallons	Next 40,000 gallons	3.75 per 1,000 gallons	11.3%
		Over 100,000 gallons	3.13 per 1,000 gallons	55.7%
		8" Meters		
		First 80,000 gallons	\$419.98 Minimum Bill	n/a
		Next 20,000 gallons	3.75 per 1,000 gallons	n/a
		Over 100,000 gallons	3.13 per 1,000 gallons	n/a

# Table 14 Effect on Average Consumer Bills

Customer <u>Class</u>	Average <u>Usage (gals)</u>	Existing Monthly Bill	Proposed Monthly Bill	<u>Increase</u>	Percent Increase
Residential *	4,300	\$24.58	\$28.25	\$3.68	15.0%
Commercial **	14,200	\$67.07	\$72.85	\$5.78	8.6%

<sup>\*</sup> Calculation based on a 5/8" x 3/4" meter

<sup>\*\*</sup> Calculation based on a 1" meter