City of Benson
City Council Communication

Regular Meeting May 22, 2017

To: Mayor and Council Agenda Item # 8

From: Bradley J. Hamilton, Public Works Director / City Engineer

Subject:

Discussion and possible action regarding Resolution 7-2017 of the Mayor and Council of the City of Benson, Arizona, adopting new Water and Wastewater Rates

Discussion:

The principal source of revenue for the Water & Wastewater Utility operations and maintenance is derived from monthly user fees charged for services provided. The current Water & Wastewater Utility rates, fees and other charges were adopted by Mayor and Council in March, 2007 and went into effect April, 2007. These rates were put into place to bring the Water and Wastewater Utilities budgets into balance. Although, at the time it did help, it did not meet its goal. In addition, due to the economic downturn over the past 10 years, the City suspended capital expenditures on all utilities and services. This resulted in the Water and Wastewater having no reserves for major maintenance and repairs and the utilities have been relying on the General Fund for support to make their ordinary business expenses.

After ten years of no increases in rates, Staff is now proposing a 5-year rate increase with a Consumer Price Index (CPI) increase after 5 years moving forward until otherwise changed. This will provide the Water and Wastewater Utilities the opportunity to raise prices slowly to a level they need to be over 5 years and then increase rates based on the CPI, which will eliminate the shortfall of revenue the City has had in the past. The Consumer Price Index (CPI) is a small percent increase and sometimes even a lowering percent depending on economic turns. This would allow the City to both keep rates affordable and have the ability to recover costs. The staff has check and the CPI can only go to 0% not negative.

If approved the new water and wastewater rates would go in to effect in 30 days.

Staff Recommendation:

Approval of Resolution 7-2017

RESOLUTION _-2017

A RESOLUTION OF THE MAYOR AND COUNCIL OF THE CITY OF BENSON, ARIZONA, ADOPTING NEW WATER AND WASTEWATER RATES.

WHEREAS, the Code of the City of Benson requires that its water and wastewater rates generate sufficient revenue to equal the cost of providing water and wastewater services to its customers and the water and wastewater rates currently in effect are being evaluated to determine if the current rates and rate structure are sufficient to satisfy the requirement of generating sufficient revenue to equal the cost of providing said water and wastewater services;

WHEREAS, in accordance with A.R.S. §9-511.01, the City of Benson prepared a written report supplying data supporting the proposed water and wastewater rates modifications, said report being entitled the "City of Benson Water/Wastewater Utility 2017 Cost of Service Rate Study" dated February, 2017;

WHEREAS, in accordance with A.R.S. § 9-511.01, the City adopted Resolution 3-2017 as a Notice of Intention to modify its water and wastewater utility rates and published in a newspaper of general circulation a notice of the hearing at which the proposed rate modification would be discussed; and

WHEREAS, on May 8, 2017, the Mayor and Council held a public hearing at which the proposed water and wastewater rates were discussed.

NOW, THEREFORE BE IT RESOLVED BY THE MAYOR AND CITY COUNCIL as follows:

1. Effective the first billing cycle after June 8, 2017, adopting the increased 2017 rates for providing water and wastewater service based on the rate sheet attached as Exhibit 1.

2. Effective the first billing cycle after January 1st of each year beginning in 2018, through and including 2021, adopting the increased rates for providing water and wastewater service based on the rate sheet attached as Exhibit 1 as listed under each calendar year. .

BE IT FURTHER RESOLVED that the City' s officers and staff are authorized to take all steps necessary and proper to implement the Agreement and carry out its intents and purposes.

PASSED AND ADOPTED BY THE MAYOR AND COUNCIL OF THE CITY OF BENSON, ARIZONA, this 8th day of May, 2017.

_____
TONEY D. KING, SR., Mayor

ATTEST:

_____
VICKI L. VIVIAN, CMC, City Clerk

APPROVED AS TO FORM:

_____
MESCH CLARK ROTHSCHILD
By Gary J. Cohen
City's AttorneyExhibit 1

CITY OF BENSON
NEWLY ADOPTED WATER UTILITY RATES
(5) YEAR PLAN

Residential Water 5/8” x 3/4”	**Existing**	**New**	**New**	**New**	**New**	**New**
	2016	**2017**	**2018**	**2019**	**2020**	**2021**
1-5 Units	$1.00	$1.10	$1.21	$1.33	$1.46	$1.61
6-10 Units	$1.50	$1.65	$1.82	$2.00	$2.20	$2.42
11-30 Units	$2.50	$2.75	$3.03	$3.33	$3.66	$4.03
> 30 Units	$3.50	$3.85	$4.24	$4.66	$5.12	$5.64
Residential Water 1””	**Existing**	**New**	**New**	**New**	**New**	**New**
	2016	**2017**	**2018**	**2019**	**2020**	**2021**
1-5 Units	$1.00	$1.10	$1.21	$1.33	$1.46	$1.61
6-10 Units	$1.50	$1.65	$1.82	$2.00	$2.20	$2.42
11-30 Units	$2.50	$2.75	$3.03	$3.33	$3.66	$4.03
> 30 Units	$3.50	$3.85	$4.24	$4.66	$5.12	$5.64
Residential Water 2”	**Existing**	**New**	**New**	**New**	**New**	**New**
	2016	**2017**	**2018**	**2019**	**2020**	**2021**
1-5 Units	$1.00	$1.10	$1.21	$1.33	$1.46	$1.61
6-10 Units	$1.50	$1.65	$1.82	$2.00	$2.20	$2.42
11-30 Units	$2.50	$2.75	$3.03	$3.33	$3.66	$4.03
> 30 Units	$3.50	$3.85	$4.24	$4.66	$5.12	$5.64
Commercial Water 5/8" X 3/4"	**Existing**	**New**	**New**	**New**	**New**	**New**
	2016	**2017**	**2018**	**2019**	**2020**	**2021**
Fixed Unit Fee	$1.43	$1.72	$1.97	$2.27	$2.61	$3.00
Commercial Water 1”	**Existing**	**New**	**New**	**New**	**New**	**New**
	2016	**2017**	**2018**	**2019**	**2020**	**2021**
Fixed Unit Fee	$1.43	$1.72	$1.97	$2.27	$2.61	$3.00

Commercial Water 1.5”	Existing	New	New	New	New	New
	2016	2017	2018	2019	2020	2021
Fixed Unit Fee	$1.43	$1.72	$1.97	$2.27	$2.61	$3.00
Commercial Water 2”	Existing	New	New	New	New	New
	2016	2017	2018	2019	2020	2021
Fixed Unit Fee	$1.43	$1.72	$1.97	$2.27	$2.61	$3.00
Commercial Water 3”	Existing	New	New	New	New	New
	2016	2017	2018	2019	2020	2021
Fixed Unit Fee	$1.91	$2.29	$2.64	$3.03	$3.49	$4.01
Hydrant Meter	Existing	New	New	New	New	New
	2016	2017	2018	2019	2020	2021
Fixed Unit Fee	$3.80	$4.18	$4.81	$5.53	$6.36	$7.31
Commercial Water 4”	Existing	New	New	New	New	New
	2016	2017	2018	2019	2020	2021
Fixed Unit Fee	$1.91	$2.29	$2.64	$3.03	$3.49	$4.01

NEWLY ADOPTED WASTEWATER UTILITY RATE (5) YEAR PLAN						
WasteWater Fee	Existing 2016	New 2017	New 2018	New 2019	New 2020	New 2021
Base Fee 5/8" X 3/4" Waterline	$11.60	$12.76	$14.04	$15.44	$16.98	$18.68
Base Fee 1" Waterline	$22.90	$25.19	$27.71	$30.48	$33.53	$36.88
Base Fee 1 1/2" Waterline	$38.10	$41.91	$46.10	$50.71	$55.78	$61.36
Base Fee 2" Waterline	$53.40	$58.74	$64.61	$71.08	$78.18	$86.00
Base Fee 4" Waterline	$137.20	$150.92	$166.01	$182.61	$200.87	$220.96
Base Fee 6" Waterline	$206.50	$227.15	$249.87	$274.85	$302.34	$332.57
Charge Per Unit Average Water Use Dec-Feb	$1.80	$1.98	$2.18	$2.40	$2.64	$2.90

CITY OF BENSON
WATER/WASTEWATER UTILITY
2017 COST OF SERVICE RATE STUDY

Introduction

The City of Benson is authorized to operate and maintain a Water Utility and a Wastewater Utility, under the Arizona Revised Statutes. The City of Benson Public Works and Finance Departments are charged with the responsibility of managing and operating the Water and Wastewater Utilities in Benson, Arizona. The Water and Wastewater Utilities operate as enterprise funds, generating revenue from water and wastewater fees charged for providing water and wastewater services to its customers in and around Benson, Arizona. The City is committed to providing dependable and cost effective water distribution & wastewater collection services to its customers.

The Water & Wastewater Utilities have 1,908 residential connections and 364 commercial connections as of December 2016. In the past year, the Water Utility has pumped about 732 acre-feet of water to its customers. The Wastewater Utility collects and processes over 140 million gallons each year. The Water Utility has a current operating budget of $872,250 and a capital budget of $1.0 million and the Wastewater Utility has a current budget of $1,079,000 and a capital budget of $1.5 million.

As recommended in April 2016 by Council, the City of Benson Public Works and Finance Departments have undertaken an examination of the Cost of Service for the Water & Wastewater Utility. It is the intent of the Public Works and Finance Departments to complete the Cost of Service Study in the first quarter of this year. The 2016 Cost of Service Examination was performed in-house by City staff and is intended to be an update to the 2005 Cost of Service Study.

Fees and Revenues

The principal source of revenue for the Water & Wastewater Utility operations and maintenance is derived from monthly user fees charged for services provided. The current Water & Wastewater Utility rates, fees and other charges were adopted by Mayor and Council in March 2007 and went into effect April 2007. These rates were put into place to bring the Water and Wastewater Utility budget into balance. Although, at the time it did help, it did not meet its goal. With the economic down turn over the past 10 years, the City suspended capital expenditures on all utilities and services. The Water and Wastewater has no reserves and has been relying on the General Fund for support. The financials are located on pages 11-12 within this document. Water and Wastewater has received funds from the General Fund to make their ordinary business expenses. This has left both these enterprise funds with no reserves for major maintenance and repairs. After ten years of no increases in rates, Staff is now proposing the following rate changes to water and wastewater:

Water Utility Residential Rate Changes

CITY OF BENSON
WATER UTILITY RATE STUDY 2017 (5) YEAR PLAN

Residential Water 5/8" x 3/4"

	Existing 2016	New 2017	New 2018	New 2019	New 2020	New 2021
Monthly Base Charge	$8.00	$9.00	$10.00	$11.00	$12.00	$13.00
1-5 Units	$1.00	$1.10	$1.21	$1.33	$1.46	$1.61
6-10 Units	$1.50	$1.65	$1.82	$2.00	$2.20	$2.42
11-30 Units	$2.50	$2.75	$3.03	$3.33	$3.66	$4.03
>30 units	$3.50	$3.85	$4.24	$4.66	$5.12	$5.64

Residential Water 1"

	Existing 2016	New 2017	New 2018	New 2019	New 2020	New 2021
Monthly Base Charge	$8.00	$9.00	$10.00	$11.00	$12.00	$13.00
1-5 Units	$1.00	$1.10	$1.21	$1.33	$1.46	$1.61
6-10 Units	$1.50	$1.65	$1.82	$2.00	$2.20	$2.42
11-30 Units	$2.50	$2.75	$3.03	$3.33	$3.66	$4.03
>30 units	$3.50	$3.85	$4.24	$4.66	$5.12	$5.64

Residential Water 2"

	Existing 2016	New 2017	New 2018	New 2019	New 2020	New 2021
Monthly Base Charge	$8.00	$10.00	$11.00	$12.00	$13.00	$14.00
1-5 Units	$1.00	$1.10	$1.21	$1.33	$1.46	$1.61
6-10 Units	$1.50	$1.65	$1.82	$2.00	$2.20	$2.42
11-30 Units	$2.50	$2.75	$3.03	$3.33	$3.66	$4.03
>30 units	$3.50	$3.85	$4.24	$4.66	$5.12	$5.64

CITY OF BENSON
WATER/WASTEWATER UTILITY
2017 COST OF SERVICE RATE STUDY

Commercial Water 5/8" X 3/4"

	Existing 2016	New 2017	New 2018	New 2019	New 2020	New 2021
Monthly Base Charge	$8.00	$10.00	$11.00	$12.00	$13.00	$14.00
Fixed Unit Fee	$1.43	$1.72	$1.97	$2.27	$2.61	$3.00

Commercial Water 1"

	Existing 2016	New 2017	New 2018	New 2019	New 2020	New 2021
Monthly Base Charge	$8.00	$10.00	$11.00	$12.00	$13.00	$14.00
Fixed Unit Fee	$1.43	$1.72	$1.97	$2.27	$2.61	$3.00

Commercial Water 1.5"

	Existing 2016	New 2017	New 2018	New 2019	New 2020	New 2021
Monthly Base Charge	$8.00	$10.00	$11.00	$12.00	$13.00	$14.00
Fixed Unit Fee	$1.43	$1.72	$1.97	$2.27	$2.61	$3.00

Commercial Water 2"

	Existing 2016	New 2017	New 2018	New 2019	New 2020	New 2021
Monthly Base Charge	$8.00	$10.00	$11.00	$12.00	$13.00	$14.00
Fixed Unit Fee	$1.43	$1.72	$1.97	$2.27	$2.61	$3.00

Commercial Water 3"

	Existing 2016	New 2017	New 2018	New 2019	New 2020	New 2021
Monthly Base Charge	$8.00	$10.00	$11.00	$12.00	$13.00	$14.00
Fixed Unit Fee	$1.91	$2.29	$2.64	$3.03	$3.49	$4.01

Hydrant Meter

	Existing 2016	New 2017	New 2018	New 2019	New 2020	New 2021
Monthly Base Charge	$29.00	$30.00	$31.00	$32.00	$33.00	$34.00
Fixed Unit Fee	$3.80	$4.18	$4.81	$5.53	$6.36	$7.31

Commercial Water 4"

	Existing 2016	New 2017	New 2018	New 2019	New 2020	New 2021
Monthly Base Charge	$200.00	$210.00	$215.00	$220.00	$225.00	$225.00
Fixed Unit Fee	$1.91	$2.29	$2.64	$3.03	$3.49	$4.01

Wastewater Utility Rate Changes

CITY OF BENSON
WASTEWATER UTILITY RATE STUDY 2017 (5) YEAR PLAN

WasteWater Fee	Existing 2016	New 2017	New 2018	New 2019	New 2020	New 2021
Base Fee 5/8" X 3/4" Waterline	$11.60	$12.76	$14.04	$15.44	$16.98	$18.68
Base Fee 1" Waterline	$22.90	$25.19	$27.71	$30.48	$33.53	$36.88
Base Fee 1 1/2" Waterline	$38.10	$41.91	$46.10	$50.71	$55.78	$61.36
Base Fee 2" Waterline	$53.40	$58.74	$64.61	$71.08	$78.18	$86.00
Base Fee 4" Waterline	$137.20	$150.92	$166.01	$182.61	$200.87	$220.96
Base Fee 6" Waterline	$206.50	$227.15	$249.87	$274.85	$302.34	$332.57
Charge Per Unit Average Water Use Dec-Feb	$1.80	$1.98	$2.18	$2.40	$2.64	$2.90

Water & Wastewater Utility Rate Change Explanation

As noted, the rate change suggestion to the Water and Wastewater Utilities have been done over a 5-year period. The reasoning behind this decision and suggestion by Staff is to lessen the impact of a single large increase on the customer. Staff felt that a 5-year consistent smaller increase would be more sustainable by customers and Benson residents. Each year the increase on rates both in Water and Wastewater will be approximately 10%. Both Utilities will not move into the black until close to the fifth year of rate increases, as shown on pages 11-12 in this document. This means that the General Fund will continue to support these utilities until that point. These are estimates as there are certain variables that are unknown and cannot be predicted or forecasted. The estimates do include important capital expenditures to keep our Water and Wastewater systems in compliance and functioning at full capacity. Both Utilities are regulated by Arizona Department of Environmental Quality (ADEQ) whose mission is: Protecting public Health Environment in Arizona through information about air, water and waste programs and the regulations governing them. In order to stay compliant with the ADEQ regulations, the Water and Wastewater Utility must be able to sustain itself and be able to improve and replace systems in timely manner.

Comparisons of Effect of Rate Increase

The Public Works and Finance Departments have done a great deal of research and comparison to other utilities in order to provide Mayor and Council with a good understanding of the local market. The Water and Wastewater in the City of Benson is in most cases significantly underpriced. Although, Staff doesn't feel the need to increase to the level of these other utility companies, the increases over the next five years are important and necessary. Each of the companies listed in the comparisons below worksheets and rate sheets are in appendix.

CITY OF BENSON
WATER UTILITY RATE STUDY 2017 Example Effect

Resident with 5/8" x 3/4" Waterline
1 Unit of Water=748 gallons

	Existing 2016	New 2017	New 2018	New 2019	New 2020	New 2021
Monthly Base Charge	$8.00	$9.00	$10.00	$11.00	$12.00	$13.00
Using 5 units	$5.00	$5.50	$6.05	$6.65	$7.30	$8.05
Using 10 Units	$7.50	$8.25	$9.10	$10.00	$11.00	$12.10
Using 30 units	$37.50	$41.25	$45.45	$49.95	$54.90	$60.45
Using 40 units	$35.00	$38.50	$42.40	$51.20	$51.20	$56.40
Total Water Bill	$93.00	$102.50	$113.00	$128.80	$136.40	$150.00

CITY OF BENSON
WASTEWATER UTILITY RATE STUDY 2017 Example Effect

WasteWater Fees

	Existing 2016	New 2017	New 2018	New 2019	New 2020	New 2021
Base Fee 5/8" X 3/4" Waterline	$11.60	$12.76	$14.04	$15.44	$16.98	$18.68
Charge Per Unit Average Water Use Dec-Feb (10 units)	$18.00	$19.80	$21.80	$24.00	$26.40	$29.00
Total Waste Water Bill using average 10 Units	**$29.60**	**$32.56**	**$35.84**	**$39.44**	**$43.38**	**$47.68**

New Rates Compared to Other Utility Companies Continue

CITY OF BENSON
WATER UTILITY RATE STUDY 2017 Example Effect

Resident with 5/8" x 3/4" Waterline
1 Unit of Water=748 gallons

	Existing 2016	New 2017	New 2018	New 2019	New 2020	New 2021
Monthly Base Charge	$8.00	$9.00	$10.00	$11.00	$12.00	$13.00
Using 5 units	$5.00	$5.50	$6.05	$6.65	$7.30	$8.05
Using 10 Units	$7.50	$8.25	$9.10	$10.00	$11.00	$12.10
Using 30 units	$37.50	$41.25	$45.45	$49.95	$54.90	$60.45
Using 40 units	$35.00	$38.50	$42.40	$51.20	$51.20	$56.40
Total Water Bill	$93.00	$102.50	$113.00	$128.80	$136.40	$150.00

Safford Water Utility Charges

5/8" X 3/4" Line	Current Rates	Comparison
Current Monthly Base Charge	$27.81	$27.81
Using 5 Units	$1.86	$9.30
Using 10 Units	$2.32	$11.60
Using 30 Units	$3.25	$48.75
Using 40 Units	$5.57	$55.70
	Total Bill	**$153.16**

Thatcher Water Utility Charges

5/8" X 3/4" Line	Current Rates	Comparison
Current Monthly Base Charge	$30.58	$30.58
Using 5 Units	$2.04	$10.20
Using 10 Units	$2.56	$12.80
Using 30 Units	$3.58	$53.70
Using 40 Units	$6.13	$61.30
	Total Bill	**$168.58**

Willcox Water Utility Charges

5/8" X 3/4" Line	Current Rates	Comparison	
Current Monthly Base Charge	$14.99	$14.99	Increases By CPI annually
Graudated use water			
40 Units	$0.19	$7.40	Increases By CPI annually
50 Units	$0.21	$10.30	Increases By CPI annually
100 Units	$0.21	$20.60	Increases By CPI annually
	Total Bill	**$53.29**	

New Rates Compared to Other Utility Companies Continue

CITY OF BENSON
WASTEWATER UTILITY RATE STUDY 2017 Example Effect

WasteWater Fees

	Existing 2016	New 2017	New 2018	New 2019	New 2020	New 2021
Base Fee 5/8" X 3/4" Waterline	$11.60	$12.76	$14.04	$15.44	$16.98	$18.68
Charge Per Unit Average Water Use Dec-Feb (10 units)	$18.00	$19.80	$21.80	$24.00	$26.40	$29.00
Total Waste Water Bill using average 10 Units	**$29.60**	**$32.56**	**$35.84**	**$39.44**	**$43.38**	**$47.68**

Safford WasteWater Utility Charges

5/8" X 3/4" Line	Current Rates	Comparison
Current Monthly Base Charge	$27.81	$27.81
Using 10 units	$5.86	$29.30
	Total Bill	**$57.11**

Thatcher WasteWater Utility Charges

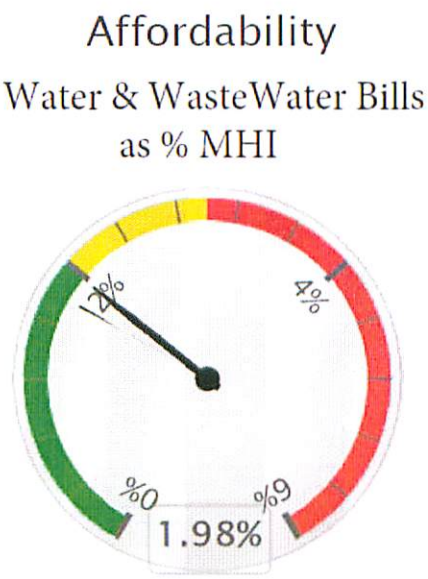
5/8"x3/4" Water Line	Current Rate	Comparison
Current Monthly Base Charge	$61.17	$61.17
Using 10 Units	$5.86	$29.30
	Total Bill	**$90.47**

Willcox WasteWater Utility Charges

5/8"x3/4" Water Line	Current Rate	Comparison	
Current Monthly Base Charge	$21.57	$21.57	Increases By CPI annually
Using 10 Units	$0.29	$2.91	Increases By CPI annually
	Total Bill	**$24.48**	

Public Impact

The Median Household Income for the City of Benson is $31,111 with an average household size of 2.09. The City of Benson has a poverty rate of 23.20% (US Census Bureau 2010). These are important factors to the staff at the City of Benson as the increases on the Water and Wastewater Utilities were examined. In determining the change in utility rates, Staff looked at the sustainability by its residents. With the increase over the next 5 years, the utilities would remain within the affordability range for the proposed increases. It will still leave the utilities on the lower end of cost recovery and the lower end of the bill comparisons to other similarly-sized utility companies in the State of Arizona.



The above chart is provided to the Water and Wastewater Utility by the Water Infrastructure Finance Authority of Arizona (WIFA). This is a tool used to help measure the affordability of the proposed rate increase to residents, based on the average household income and poverty level (US Census Bureau 2010). The explanation of this is that we are remaining with our increase within the suggested 2% of median household income that will be affected negatively. In our model 1.98% may or may not be affected negatively in the City of Benson. The green area is an acceptable increase, yellow being a little more risky and red being high risk. This is only a tool that has been used to help us ensure we are within an affordable index. There are really no finite numbers or definitions of what is affordable.

CITY OF BENSON
WATER/WASTEWATER UTILITY
2017 COST OF SERVICE RATE STUDY

Bill Comparison

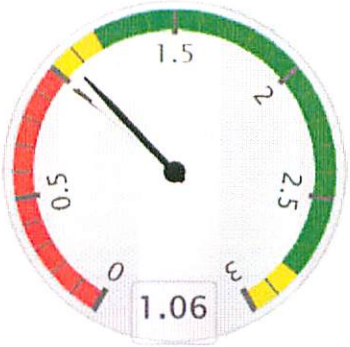
Similar Sized Utility in Arizona

Water & WasteWater Bill
at
7500 Gallons

The bill comparison above is based on similarly-sized utility companies to the City of Benson Water and Wastewater Utilities. Again this is a tool provided by WIFA and is based on rates they collect from other utilities in Arizona. Overall, the City's utilities are in the yellow, meaning the utilities are below, even with rate increase, the average compared to other similarly-sized utility companies in Arizona. The range is from the lowest at $43.01 per month to $119.38 per month for both utilities. With the majority of the companies in Arizona the City's utilities are compared with being around the $62.00 to $102.00 range. Ours is a total average residential bill of around $51.23.

Cost Recovery

Operating Ratio Includes
Depreciation



The Cost recovery chart above is used to determine if the rate increase will meet the cost of operating the Water and Wastewater Utilities. This chart includes the depreciation of equipment and capital expenditures. With the rate increase, the City is still barely meeting the cost of recovery for these utility operations. This is the reason it will take several years to recover from operating in the negative for so many years.

Conclusion

The 2017 rate study has proven to be a difficult undertaking for several reasons. Estimating future revenue was challenging because of the constant change in consumption. The current water demand is down by 5% compared to last year and seems to get less each year. This affects the wastewater as the rates are based on water consumption. The primary reason water consumption continues to drop is the increase in high efficient water fixtures in residence and commercial structures. Some of these include high efficient dishwashers and no-flush urinals.

Another factor in this being such a large undertaking, is the constant change in laws. In November 2016, Arizona voters approved a minimum wage increase starting in 2017 to 2020. This minimum wage increase will have several effects. The most obvious effect will be the need to adjust pay to the current utility workers in order to maintain a value in years served. The other effect, which is not as obvious, is the cost of products and the amount of inflation that will come with doing business in Arizona.

The final difficulty is estimating the future needs of the Water and Wastewater Utility. This is difficult as the City moves forward to maintain and comply with the constant changing regulations from ADEQ. It is difficult to project whether the equipment the City has will be able to be fixed or if it will become completely obsolete over the next few years. Wastewater is already encountering this type of issue as much of the equipment has become obsolete and is no longer manufactured.

At this time the City Staff recommends the 5-year rate increase with a Consumer Price Index (CPI) increase after 5 years moving forward until otherwise changed. This will provide the Water and Wastewater Utilities the opportunity to raise prices slowly to a level they need to be over 5 years and then increase rates based on the CPI, which will eliminate the shortfall of revenue the City has had in the past. The Consumer Price Index (CPI) is a small percent increase and sometimes even a lowering percent depending on economic turns. This would allow the City to keep rates both affordable and have the ability to recover costs.

CITY OF BENSON
WATER/WASTEWATER UTILITY
2017 COST OF SERVICE RATE STUDY

CITY OF BENSON
WATER UTILITY RATE STUDY 2017 (5) YEAR PLAN
PROJECTED REVENUES AND EXPENDITURES

	Actual Fiscal Year 2015-16	2016-2017 Budget	Fiscal YTD through 12/31/2016	Projection Fiscal Year 2017-18	Projection Fiscal Year 2018-19	Projection Fiscal Year 2019-20	Projection Fiscal Year 2020-21
REVENUES:							
Residential Revenue	$383,774	$465,000	$202,327	$441,340	$507,541	$583,672	$671,223
Commerical Revenue	$298,048	$335,000	$141,180	$342,756	$394,169	$453,294	$521,288
New Water Hook-ups	$2,162	$10,000	$1,618	$2,486	$2,859	$3,288	$3,781
Series 2010 Bond Proceeds	$0	$50,000	$0	$0	$0	$0	$0
Water Accomodation Fees	$10,950	$12,000	$4,525	$12,593	$14,481	$16,654	$19,152
Other Income: Tank Rental	$8,041	$250	$0	$9,247	$10,634	$12,229	$14,063
Total Water Revenue	**$702,974**	**$872,250**	**$349,651**	**$808,421**	**$929,684**	**$1,069,136**	**$1,229,507**
EXPENDITURES:							
Salaries & Wages	$278,281	$250,930	$154,632	$292,195	$306,804	$322,144	$338,252
Overtime Wages	$15,760	$10,300	$7,439	$16,548	$17,376	$18,245	$19,157
Payroll Taxes	$21,049	$19,961	$11,671	$22,101	$23,207	$24,367	$25,585
Retirement Benefits	$136,504	$29,955	$18,595	$143,330	$150,496	$158,021	$165,922
Employee Insurance	$60,611	$52,808	$27,995	$63,642	$66,824	$70,165	$73,673
Professional Services	$1,756	$25,000	$3,318	$1,844	$1,936	$2,033	$2,134
Chemical Analysis	$2,823	$4,000	$1,005	$2,964	$3,112	$3,268	$3,431
IT Services	$0	$2,500	$0	$0	$0	$0	$0
Education & Training	$1,888	$3,000	$1,730	$1,982	$2,082	$2,186	$2,295
Bank Charges	$3,423	$3,000	$1,595	$3,594	$3,774	$3,963	$4,161
Utilities	$101,667	$120,000	$50,024	$106,750	$112,088	$117,692	$123,577
Telephone	$1,291	$1,200	$772	$1,356	$1,423	$1,495	$1,569
Repairs & Maintenance	$3,810	$25,000	$1,627	$4,000	$4,200	$4,410	$4,631
Equipment Rentals	$1,433	$1,500	$0	$1,505	$1,580	$1,659	$1,742
Uniforms	$1,890	$2,000	$658	$1,984	$2,084	$2,188	$2,297
Insurance	$9,471	$10,000	$7,433	$9,945	$10,442	$10,964	$11,512
Public Notices, Advertising	$988	$1,000	$0	$1,038	$1,090	$1,144	$1,201
Dues & Licenses	$6,900	$15,000	$7,217	$7,245	$7,607	$7,988	$8,387
Office Supplies	$31	$250	$0	$32	$34	$35	$37
Printing & Postage	$4,431	$5,000	$1,893	$4,653	$4,886	$5,130	$5,386
Computer Supplies	$0	$5,200	$4,070	$0	$0	$0	$0
Other Operating Costs	$2,111	$45,000	$9,908	$2,216	$2,327	$2,444	$2,566
Depreciation	$31,291	$0	$0	$32,856	$34,499	$36,223	$38,035
Fuel & Oil	$153,092	$12,000	$3,616	$160,747	$168,784	$177,223	$186,084
Vehicle Repairs & Maintenance	$8,960	$10,000	$7,126	$9,408	$9,878	$10,372	$10,891
Equipment Repairs	$0	$5,000	$0	$0	$0	$0	$0
Capital Expenditures Vehicle	$12,144	$25,000	$3,833	$12,751	$13,389	$14,058	$14,761
Telemeteres	$0	$50,000	$0	$25,000	$25,000	$25,000	$25,000
Capital Expenditures Sue Juan Repairs	$0	$10,000	$0	$10,000	$10,000	$10,000	$10,000
Capital Expenditures Hill Crest Water	$0	$25,000	$0	$25,000	$0	$0	$0
Capital Expenditures Pump Replacement	$0	$50,000	$0	$50,000	$50,000	$50,000	$50,000
Capital Expenditures Pot-Holer	$0	$0	$0	$0	$0	$35,000	$0
Bad Debt Write-off	$1,024	$1,500	$758	$1,075	$1,129	$1,186	$1,245
Contingency	$767	$51,146	$0	$805	$846	$888	$932
Series 2010 Bond Payback			$0	$66,700	$66,700	$66,700	$66,700
Total Water Expenditures	**$863,397**	**$872,250**	**$326,915**	**$1,083,266**	**$1,103,595**	**$1,186,189**	**$1,201,164**
Net Revenues over Expenditures	**-$160,422**	**$0**	**$22,736**	**-$274,846**	**-$173,911**	**-$117,053**	**$28,343**

CITY OF BENSON
WATER/WASTEWATER UTILITY
2017 COST OF SERVICE RATE STUDY

CITY OF BENSON

WASTEWATER UTILITY RATE STUDY 2017 (5) YEAR PLAN
PROJECTED REVENUES AND EXPENDITURES

	Actual Fiscal Year 2015-16	2016-2017 Budget	Fiscal YTD through 12/31/2016	Projection Fiscal Year 2017-18	Projection Fiscal Year 2018-19	Projection Fiscal Year 2019-20	Projection Fiscal Year 2020-21
REVENUES:							
Residential Wastewater Fees	$406,205	$475,000	$219,621	$487,446	$584,935	$701,922	$842,307
Multi-User Wasterwater Fees	$5,945	$9,000	$2,381	$7,134	$8,561	$10,274	$12,328
Commercial Wastwater Fees	$258,842	$300,000	$132,084	$310,610	$372,732	$447,279	$536,735
New WasteWater Hook-Ups	$4,075	$15,000	$1,448	$4,889	$5,867	$7,041	$8,449
Series 2010 Bond	$0	$280,000	$0	$0	$0	$0	$0
Whetstone Wastewater Fees	$0	$0	$0	$0	$0	$0	$0
Miscellaneous Revenue	$3,400	$6,000	$0	$4,080	$4,896	$5,875	$7,050
Total WasteWater Revenue	**$678,467**	**$1,085,000**	**$355,534**	**$814,160**	**$976,992**	**$1,172,391**	**$1,406,869**
EXPENDITURES:							
Salaries & Wages	$186,982	$218,800	$85,756	$196,331	$206,148	$216,455	$227,278
Overtime Wages	$7,859	$15,450	$3,332	$8,252	$8,665	$9,098	$9,553
Payroll Taxes	$15,004	$17,886	$6,580	$15,754	$16,542	$17,369	$18,238
Retirement Benefits	$110,706	$26,840	$10,019	$116,241	$122,053	$128,156	$134,564
Employee Insurance	$37,575	$46,520	$13,235	$39,454	$41,426	$43,498	$45,673
Professional Services	$20,357	$25,000	$18,860	$21,375	$22,444	$23,566	$24,744
Chemical Analyses	$15,830	$15,000	$5,315	$16,621	$17,452	$18,325	$19,241
IT Services	$0	$5,000	$0	$0	$0	$0	$0
Education & Training	$2,033	$25,000	$3,547	$2,135	$2,241	$2,353	$2,471
Bank Charges	$3,423	$3,000	$1,595	$3,594	$3,774	$3,963	$4,161
Utilites	$65,770	$75,000	$27,067	$69,058	$72,511	$76,136	$79,943
Telephone	$3,799	$3,500	$1,801	$3,989	$4,188	$4,397	$4,617
Repairs & Maintenance	$48,185	$85,000	$60,477	$50,594	$53,123	$55,780	$58,569
Rental Equipment	$2,702	$1,000	$9,098	$2,837	$2,978	$3,127	$3,284
Uniforms	$1,259	$1,500	$610	$1,322	$1,388	$1,458	$1,530
Insurance	$28,413	$28,000	$22,298	$29,834	$31,326	$32,892	$34,536
Public Notices & Advertising	$36	$250	$0	$38	$40	$42	$44
Dues & License	$16,399	$25,000	$9,184	$17,219	$18,080	$18,984	$19,933
Office Supplies	$166	$400	$0	$175	$183	$193	$202
Printing & Postage	$4,452	$5,000	$1,921	$4,675	$4,909	$5,154	$5,412
Computer Supplies	$3,570	$7,700	$3,691	$3,748	$3,935	$4,132	$4,339
Operating Supplies	$40,376	$35,000	$15,752	$42,395	$44,515	$46,740	$49,077
Depreciation	$261,255	$0	$0	$274,318	$288,034	$302,435	$317,557
Fuel & Oil	$4,281	$7,500	$4,711	$4,495	$4,720	$4,956	$5,204
Vehicle Repairs & Maintentance	$14,366	$10,000	$7,412	$15,084	$15,839	$16,630	$17,462
Equipment Repairs		$5,000	$0	$0	$0	$0	$0
Contingency	$767	$20,154	$0	$0	$0	$0	$0
CIP Truck Purchase	$0	$25,000	$3,833	$25,000	$25,000	$25,000	$25,000
CIP Jet Router	$0	$70,000	$0	$0	$100,000	$0	$0
CIP NPDES ADEQ PERMIT		$80,000	$0	$0	$25,000	$0	$25,000
CIP UV SYSTEM		$200,000	$0	$100,000	$0	$0	$0
CIP Diesel Back-up Generator			$0	$0	$0	$0	$0
CIP Sand Filters		$0	$0	$0	$0	$0	$80,000
CIP Ditch Rebuild (Clarifiers, Airators)		$0	$0	$0	$50,000	$50,000	$50,000
Bad Debt Write-Off	$1,283	$1,500	$1,205	$1,347	$1,414	$1,485	$1,559
Series 2010 Bond Payback		$0	$0	$66,700	$66,700	$66,700	$66,700
Total Waste Water Expenditures	**$896,847**	**$1,085,000**	**$317,300**	**$1,132,584**	**$1,254,629**	**$1,179,025**	**$1,335,891**
Net Revenue over Expenses	**-$218,380**	**$0**	**$38,233**	**-$318,424**	**-$277,636**	**-$6,634**	**$70,978**

WATER

APPENDIX

SAFFORD/THATCHER

Resolution Number 13-027
Water Utility Rates
Adopted: July 24, 2013

Table 4-4. Proposed Monthly Meter Charge

Description	Current ($)	FY 13/14 ($)	FY 14/15 ($)	FY 15/16 ($)	FY 16/17 ($)	FY 17/18 ($)
Safford Full Monthly Meter Charge						
5/8" & 3/4"	20.14	21.56	25.26	26.50	27.81	27.86
1" & 1.25"	23.18	24.13	28.27	29.67	31.14	31.19
1.5"	28.80	30.57	35.81	37.58	39.44	39.52
2"	40.87	38.28	44.86	47.08	49.41	49.51
3"	71.00	58.87	68.99	72.40	75.99	76.14
4"	87.59	82.02	96.13	100.89	105.90	106.11
6"	129.68	146.34	171.53	180.03	188.97	189.34
8"	179.94	223.52	262.01	274.99	288.65	289.23
Metered Construction (Fire Hydrant)	36.62	47.61	54.75	57.48	60.36	60.51
Master Meter Unit Charge	3.13	4.07	4.68	4.91	5.16	5.17
Thatcher Full Monthly Meter Charge						
5/8" & 3/4"	22.15	23.72	27.79	29.15	30.58	30.63
1" & 1.25"	25.50	26.55	31.11	32.63	34.24	34.30
1.5"	31.68	33.63	39.41	41.34	43.38	43.47
2"	44.95	42.12	49.36	51.80	54.36	54.47
3"	78.10	64.77	75.92	79.67	83.62	83.80
4"	96.35	90.25	105.80	111.03	116.54	116.79
6"	142.64	161.04	188.79	198.14	207.99	208.45
8"	197.93	245.97	288.38	302.68	317.72	318.44
Metered Construction (Fire Hydrant)	40.29	52.38	60.23	63.25	66.41	66.57
Master Meter Unit Charge	3.44	4.47	5.14	5.40	5.67	5.68
Bonita Full Monthly Meter Charge						
5/8" & 3/4"	25.18	26.96	31.55	33.09	34.71	34.76
1" & 1.25"	28.98	30.17	35.32	37.05	38.86	38.92
1.5"	36.00	38.22	44.75	46.93	49.24	49.32
2"	51.08	47.87	56.05	58.80	61.69	61.79
3"	88.75	73.61	86.20	90.43	94.89	95.06
4"	109.49	102.57	120.12	126.03	132.24	132.49
6"	162.09	183.01	214.34	224.89	235.99	236.45
8"	224.92	279.55	327.41	343.53	360.49	361.20
Metered Construction (Fire Hydrant)	45.78	59.51	68.44	71.86	75.46	75.64
Master Meter Unit Charge	3.91	5.08	5.85	6.14	6.44	6.46

Resolution Number 13-027
Water Utility Rates
Adopted: July 24, 2013

Table 4-6.1. Proposed Safford Commodity Rates

Description	FY 13/14 ($)	FY 14/15 ($)	FY 15/16 ($)	FY 16/17 ($)	FY 17/18 ($)
Safford					
Projected Water Consumption per Tier (elasticity is factored into the rates below)					
Tier 1: 0 - 7,200 gal	75,267,431	75,694,583	76,302,896	76,916,770	77,536,256
Tier 2: 7,201 - 20,000 gal	177,557,591	178,672,010	180,240,726	181,824,044	183,422,103
Tier 3: 20,001 - 40,000 gal	77,715,650	78,203,423	78,890,038	79,583,045	80,282,503
Tier 4: 40,001 & above gal	126,063,247	126,854,469	127,968,234	129,092,366	130,226,964
Residential & Commercial Consumption Charge (per 1,000 gal)					
Tier 1: 0 - 7,200 gal	1.44	1.69	1.77	1.86	1.86
Tier 2: 7,201 - 20,000 gal	1.80	2.11	2.21	2.32	2.33
Tier 3: 20,001 - 40,000 gal	2.52	2.95	3.10	3.25	3.26
Tier 4: 40,001 & above gal	4.32	5.06	5.31	5.57	5.59
Industrial Consumption Charge (per 1,000 gal)					
All Usage	1.44	1.69	1.77	1.86	1.86
Metered Construction (Fire Hydrant) Consumption Charge (per 1,000 gal)					
All Usage	4.32	5.06	5.31	5.57	5.59

Table 4-6.2. Proposed Thatcher Commodity Rates

Description	FY 13/14 ($)	FY 14/15 ($)	FY 15/16 ($)	FY 16/17 ($)	FY 17/18 ($)
Thatcher					
Projected Water Consumption per Tier (elasticity is factored into the rates below)					
Tier 1: 0 - 7,200 gal	40,245,207	40,481,611	40,820,774	41,163,001	41,508,322
Tier 2: 7,201 - 20,000 gal	107,939,208	108,573,449	109,483,376	110,401,524	111,327,972
Tier 3: 20,001 - 40,000 gal	47,244,196	47,521,799	47,920,067	48,321,934	48,727,433
Tier 4: 40,001 & above gal	76,635,232	77,085,534	77,731,568	78,383,440	79,041,204
Residential & Commercial Consumption Charge (per 1,000 gal)					
Tier 1: 0 - 7,200 gal	1.58	1.85	1.95	2.04	2.05
Tier 2: 7,201 - 20,000 gal	1.98	2.32	2.43	2.56	2.56
Tier 3: 20,001 - 40,000 gal	2.77	3.25	3.41	3.58	3.59
Tier 4: 40,001 & above gal	4.75	5.56	5.84	6.13	6.15
Metered Construction (Fire Hydrant) Consumption Charge (per 1,000 gal)					
All Usage	4.75	5.56	5.84	6.13	6.15

Resolution Number 13-027
Water Utility Rates
Adopted: July 24, 2013

Table 4-6.3. Proposed County Commodity Rates

Description	FY 13/14 ($)	FY 14/15 ($)	FY 15/16 ($)	FY 16/17 ($)	FY 17/18 ($)
County					
Projected Water Consumption per Tier (elasticity is factored into the rates below)					
Tier 1: 0 - 7,200 gal	89,495,112	89,828,387	90,303,082	90,782,115	91,265,528
Tier 2: 7,201 - 20,000 gal	148,415,793	149,309,922	150,583,464	151,868,644	153,165,573
Tier 3: 20,001 - 40,000 gal	64,960,499	65,351,853	65,909,273	66,471,787	67,039,443
Tier 4: 40,001 & above gal	105,373,005	106,007,823	106,912,019	107,824,478	108,745,278
Residential & Commercial Consumption Charge (per 1,000 gal)					
Tier 1: 0 - 7,200 gal	1.81	2.12	2.23	2.34	2.34
Tier 2: 7,201 - 20,000 gal	2.26	2.65	2.78	2.92	2.93
Tier 3: 20,001 - 40,000 gal	3.17	3.71	3.90	4.09	4.10
Tier 4: 40,001 & above gal	5.43	6.36	6.68	7.02	7.03
Metered Construction (Fire Hydrant) Consumption Charge (per 1,000 gal)					
All Usage	5.43	6.36	6.68	7.02	7.03

CITY OF WILLCOX, ARIZONA						
WATER SYSTEM						
RATES AND CHARGES EFFECTIVE JULY 1, 2016						
Customer Type	Meter Size	Rate Code	FY14 Meter Charge	FY15 Meter Charge	FY16 Meter Charge	FY17 Meter Charge
Residential	3/4" or less	301	$14.55	$14.78	$14.78	$14.99
Residential	1"	302	$19.21	$19.52	$19.52	$19.79
Commercial	3/4" or less	310	$14.55	$14.78	$14.78	$14.99
Commercial	1"	311	$19.21	$19.52	$19.52	$19.79
Commercial	1 1/2"	312	$26.52	$26.94	$26.94	$27.32
Commercial	2"	313	$35.16	$35.72	$35.72	$36.22
Commercial	3"	314	$72.80	$73.96	$73.96	$75.00
Commercial	4"	315	$182.61	$185.53	$185.53	$188.13

CITY OF WILLCOX

Utility SHEET 2016-2017

GAS CALCULATION:
THE USAGE FOR THAT MONTH x THE GAS RATE FOR THAT MONTH + THE BASE RATE:

30(UNITS) x .74877(GAS RATE FOR MONTH) = $22.47(TOTAL) + $12.37(BASE RATE) = $34.84

BASE RATE - $12.20 + CPI = $12.37(TOTAL)

WATER CALCULATION:
(TOTAL USAGE – 20) = USAGE FOR CALCULATION

THEN USE GRADUATED RATE FOR USAGE CALCULATION AMOUNT (ABOVE)

EXAMPLES-
#1
250 (TOTAL USAGE) – 20 (FREE) = 230 (USAGE CALC)

40 x $.166 = $6.64
40 x $.185 = $7.40
50 x $.206 = $10.30
100 x $.219 = $21.90
230 $46.24

REMEMBER: 1ST THREE USAGE LEVELS ARE TAPPED OUT. EASIER CALCULATING FOR LARGE USAGES☺

(NOTE: GRADUATED RATES SHOWN ABOVE ARE FOUND IN UTILITY BILLING –RATE MAINTENANCE)

$14.99 (BASE RATE FOR METER SIZE) + $46.24= $61.23

#2
80 (TOTAL USAGE) – 20 (FREE) = 60 (USAGE CALC)

40 x $.166 = $6.64
20 x $.185 = $3.70
60 $10.34

$14.99 (BASE RATE/CPI) + $10.34= $25.33

SEWER CALCULATION:
AVG OF THREE MONTHS WATER USAGE (DEC., JAN, FEB) x SEWER RATE FOR WATER METER SIZE:

52 (DEC.) + 71 (JAN.) + 61 (FEB.) = 184 (UNITS) / 3 (MONTHS) = 61.3 (USAGE AVERAGE)

61(USAGE) x $.290684 (CITY USAGE CHARGE) = $17.74(TOTAL) + $21.57 (BASE RATE/CPI) = 39.31

ORIGINAL

ARIZONA WATER COMPANY

WATER RATES - GENERAL SERVICE

Filed by: William M. Garfield
Title: President
Date(s) of Original Filing: Apr. 1, 1965
System(s): COCHISE (BISBEE)

A.C.C. No. 539
Cancelling A.C.C. No(s). 498
Tariff or Schedule No. WG-102
Filed: February 22, 2013
Effective: March 1, 2013

AVAILABILITY: In Bisbee and environs at all points where facilities of adequate capacity and pressure are adjacent to the premises served.

APPLICATION: To all water service required when such service is supplied at one premise through one point of delivery and measured through one meter. Not applicable to temporary, standby, or supplementary service.

RESIDENTIAL:

Meter Size	Minimum Charge	Commodity Rate per 1,000 Gallons Consumed				
5/8" x 3/4"	$17.00	0 - 3,000 gallons -	$1.6800;	3,001 - 10,000 gallons -	$5.4050;	gallons over 10,000 - $8.5280
1"	$42.50	0 - 30,000 gallons -	$5.4050;	gallons over 30,000 -	$8.5280	
1½"	$85.00	0 - 65,000 gallons -	$5.4050;	gallons over 65,000 -	$8.5280	
2"	$136.00	0 - 100,000 gallons -	$5.4050;	gallons over 100,000 -	$8.5280	
3"	$272.00	0 - 220,000 gallons -	$5.4050;	gallons over 220,000 -	$8.5280	
4"	$425.00	0 - 350,000 gallons -	$5.4050;	gallons over 350,000 -	$8.5280	
6"	$850.00	0 - 725,000 gallons -	$5.4050;	gallons over 725,000 -	$8.5280	
8"	$1,360.00	0 - 1,175,000 gallons -	$5.4050;	gallons over 1,175,000 -	$8.5280	
10"	$1,955.00	0 - 1,700,000 gallons -	$5.4050;	gallons over 1,700,000 -	$8.5280	

COMMERCIAL:

Meter Size	Minimum Charge	Commodity Rate per 1,000 Gallons Consumed			
5/8" x 3/4"	$17.00	0 - 10,000 gallons -	$5.4050;	gallons over 10,000 -	$8.5280
1"	$42.50	0 - 30,000 gallons -	$5.4050;	gallons over 30,000 -	$8.5280
1½"	$85.00	0 - 65,000 gallons -	$5.4050;	gallons over 65,000 -	$8.5280
2"	$136.00	0 - 100,000 gallons -	$5.4050;	gallons over 100,000 -	$8.5280
3"	$272.00	0 - 220,000 gallons -	$5.4050;	gallons over 220,000 -	$8.5280
4"	$425.00	0 - 350,000 gallons -	$5.4050;	gallons over 350,000 -	$8.5280
6"	$850.00	0 - 725,000 gallons -	$5.4050;	gallons over 725,000 -	$8.5280
8"	$1,360.00	0 - 1,175,000 gallons -	$5.4050;	gallons over 1,175,000 -	$8.5280
10"	$1,955.00	0 - 1,700,000 gallons -	$5.4050;	gallons over 1,700,000 -	$8.5280

INDUSTRIAL:

Meter Size	Minimum Charge	Commodity Rate per 1,000 Gallons Consumed	
5/8" x 3/4"	$24.65	all gallons -	$3.7500
1"	$61.63	all gallons -	$3.7500
1½"	$123.25	all gallons -	$3.7500
2"	$197.20	all gallons -	$3.7500
3"	$394.40	all gallons -	$3.7500
4"	$616.25	all gallons -	$3.7500
6"	$1,232.50	all gallons -	$3.7500
8"	$1,972.00	all gallons -	$3.7500
10"	$2,834.75	all gallons -	$3.7500

CONSTRUCTION:

Meter Size	Minimum Charge	Commodity Rate per 1,000 Gallons Consumed			
5/8" x 3/4"	$17.00	0 - 10,000 gallons -	$5.4050;	gallons over 10,000 -	$8.5280
1"	$42.50	0 - 30,000 gallons -	$5.4050;	gallons over 30,000 -	$8.5280
1½"	$85.00	0 - 65,000 gallons -	$5.4050;	gallons over 65,000 -	$8.5280
2"	$136.00	0 - 100,000 gallons -	$5.4050;	gallons over 100,000 -	$8.5280
3"	$272.00	0 - 220,000 gallons -	$5.4050;	gallons over 220,000 -	$8.5280
4"	$425.00	0 - 350,000 gallons -	$5.4050;	gallons over 350,000 -	$8.5280
6"	$850.00	0 - 725,000 gallons -	$5.4050;	gallons over 725,000 -	$8.5280
8"	$1,360.00	0 - 1,175,000 gallons -	$5.4050;	gallons over 1,175,000 -	$8.5280
10"	$1,955.00	0 - 1,700,000 gallons -	$5.4050;	gallons over 1,700,000 -	$8.5280

SALES FOR RESALE:

Meter Size	Minimum Charge	Commodity Rate per 1,000 Gallons Consumed	
5/8" x 3/4"	$17.00	all gallons -	$5.4050
1"	$42.50	all gallons -	$5.4050
1½"	$85.00	all gallons -	$5.4050
2"	$136.00	all gallons -	$5.4050
3"	$272.00	all gallons -	$5.4050
4"	$425.00	all gallons -	$5.4050
6"	$850.00	all gallons -	$5.4050
8"	$1,360.00	all gallons -	$5.4050
10"	$1,955.00	all gallons -	$5.4050

ADJUSTMENT: Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of the gross revenues of the Company and/or the price or revenue from the water or service sold and/or the volume of water pumped or purchased for sale and/or sold hereunder and any tax or similar assessment based on the withdrawal, delivery or use of water. In the event of any increase or decrease in taxes or other governmental impositions, rates shall be adjusted to reflect such increase or decrease.

SPECIAL PROVISIONS: Subject to the Company's Tariff Schedule SC-253.

TERMS AND CONDITIONS: Subject to the Company's Tariff Schedule TC-243.

APPROVED FOR FILING
DECISION #: 73736

ORIGINAL

ARIZONA WATER COMPANY

WATER RATES - GENERAL SERVICE
Filed by: William M. Garfield
Title: President
Date(s) of Original Filing: Sep. 8, 1960
System(s): COCHISE (SIERRA VISTA)

A.C.C. No. 640
Canceling A.C.C. No(s). 497
Tariff or Schedule No. WG-182
Filed: February 22, 2013
Effective: March 1, 2013

AVAILABILITY: In Sierra Vista and environs at all points where facilities of adequate capacity and pressure are adjacent to the premises served.

APPLICATION: To all water service required when such service is supplied at one premise through one point of delivery and measured through one meter. Not applicable to temporary, standby, or supplementary service.

RESIDENTIAL:

Meter Size	Minimum Charge	Commodity Rate per 1,000 Gallons Consumed
5/8" x 3/4"	$17.00	0 - 3,000 gallons - $1.2000; 3,001 - 10,000 gallons - $1.9320; gallons over 10,000 - $3.0550
1"	$42.50	0 - 30,000 gallons - $1.9320; gallons over 30,000 - $3.0550
1½"	$85.00	0 - 65,000 gallons - $1.9320; gallons over 65,000 - $3.0550
2"	$136.00	0 - 100,000 gallons - $1.9320; gallons over 100,000 - $3.0550
3"	$272.00	0 - 220,000 gallons - $1.9320; gallons over 220,000 - $3.0550
4"	$425.00	0 - 350,000 gallons - $1.9320; gallons over 350,000 - $3.0550
6"	$850.00	0 - 725,000 gallons - $1.9320; gallons over 725,000 - $3.0550
8"	$1,360.00	0 - 1,175,000 gallons - $1.9320; gallons over 1,175,000 - $3.0550
10"	$1,955.00	0 - 1,700,000 gallons - $1.9320; gallons over 1,700,000 - $3.0550

COMMERCIAL:

Meter Size	Minimum Charge	Commodity Rate per 1,000 Gallons Consumed
5/8" x 3/4"	$17.00	0 - 10,000 gallons - $1.9320; gallons over 10,000 - $3.0550
1"	$42.50	0 - 30,000 gallons - $1.9320; gallons over 30,000 - $3.0550
1½"	$85.00	0 - 65,000 gallons - $1.9320; gallons over 65,000 - $3.0550
2"	$136.00	0 - 100,000 gallons - $1.9320; gallons over 100,000 - $3.0550
3"	$272.00	0 - 220,000 gallons - $1.9320; gallons over 220,000 - $3.0550
4"	$425.00	0 - 350,000 gallons - $1.9320; gallons over 350,000 - $3.0550
6"	$850.00	0 - 725,000 gallons - $1.9320; gallons over 725,000 - $3.0550
8"	$1,360.00	0 - 1,175,000 gallons - $1.9320; gallons over 1,175,000 - $3.0550
10"	$1,955.00	0 - 1,700,000 gallons - $1.9320; gallons over 1,700,000 - $3.0550

INDUSTRIAL:

Meter Size	Minimum Charge	Commodity Rate per 1,000 Gallons Consumed
5/8" x 3/4"	$24.85	all gallons - $5.7500
1"	$61.63	all gallons - $5.7500
1½"	$123.25	all gallons - $5.7500
2"	$197.20	all gallons - $5.7500
3"	$394.40	all gallons - $5.7500
4"	$616.25	all gallons - $5.7500
6"	$1,232.50	all gallons - $5.7500
8"	$1,972.00	all gallons - $5.7500
10"	$2,834.75	all gallons - $5.7500

CONSTRUCTION:

Meter Size	Minimum Charge	Commodity Rate per 1,000 Gallons Consumed
5/8" x 3/4"	$17.00	0 - 10,000 gallons - $1.9320; gallons over 10,000 - $3.0550
1"	$42.50	0 - 30,000 gallons - $1.9320; gallons over 30,000 - $3.0550
1½"	$85.00	0 - 65,000 gallons - $1.9320; gallons over 65,000 - $3.0550
2"	$136.00	0 - 100,000 gallons - $1.9320; gallons over 100,000 - $3.0550
3"	$272.00	0 - 220,000 gallons - $1.9320; gallons over 220,000 - $3.0550
4"	$425.00	0 - 350,000 gallons - $1.9320; gallons over 350,000 - $3.0550
6"	$850.00	0 - 725,000 gallons - $1.9320; gallons over 725,000 - $3.0550
8"	$1,360.00	0 - 1,175,000 gallons - $1.9320; gallons over 1,175,000 - $3.0550
10"	$1,955.00	0 - 1,700,000 gallons - $1.9320; gallons over 1,700,000 - $3.0550

SALES FOR RESALE:

Meter Size	Minimum Charge	Commodity Rate per 1,000 Gallons Consumed
5/8" x 3/4"	$17.00	all gallons - $1.9320
1"	$42.50	all gallons - $1.9320
1½"	$85.00	all gallons - $1.9320
2"	$136.00	all gallons - $1.9320
3"	$272.00	all gallons - $1.9320
4"	$425.00	all gallons - $1.9320
6"	$850.00	all gallons - $1.9320
8"	$1,360.00	all gallons - $1.9320
10"	$1,955.00	all gallons - $1.9320

ADJUSTMENT: Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of the gross revenues of the Company and/or the price or revenue from the water or service sold and/or the volume of water pumped or purchased for sale and/or sold hereunder and any tax or similar assessment based on the withdrawal, delivery or use of water. In the event of any increase or decrease in taxes or other governmental impositions, rates shall be adjusted to reflect such increase or decrease.

SPECIAL PROVISIONS: Subject to the Company's Tariff Schedule SC-255.

TERMS AND CONDITIONS: Subject to the Company's Tariff Schedule TC-243.

APPROVED FOR FILING
DECISION #: 73734

Compare with caution. High rates may be justified and necessary to protect public health.

Rate Table 2: 2015 Residential Monthly-Equivalent Water Bills at Various Consumption Levels (Includes Base Charges)

Utility / Rate Structure	Service Population (Approx.)	Operating Ratio	Zero Gallons (0 cf)		3,000 Gallons (401 cf)		4,000 Gallons (535 cf)		5,000 Gallons (668 cf)		7,000 Gallons (936 cf)		10,000 Gallons (1,337 cf)		15,000 Gallons (2,005 cf)	
			Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside
A. Petersen Water Company, Inc.	117 [2]	1.01	$25.00		$36.16		$42.88		$49.60		$63.04		$86.82		$138.52	
ABRA Water Company, Inc.	1,437 [1]	1.21	$14.53		$21.52		$25.46		$29.40		$37.28		$49.10		$80.25	
ACME Water Company-Blue Hills #3	125 [2]		$20.10		$29.10		$33.60		$38.10		$47.10		$60.60		$87.60	
ACME Water Company-Dells	180 [1]		$11.00		$15.11		$17.17		$19.23		$23.35		$29.53		$41.88	
ACME Water Company-Thunderbird Meadows	200 [1]		$23.21		$33.56		$38.74		$43.92		$54.28		$69.82		$100.82	
ACME Water Company-Yavapai Mobile Home Estates System	200 [1]		$22.73		$29.33		$32.98		$36.63		$43.93		$54.88		$75.88	
Adaman Mutual Water Company	800 [1]	0.95	$10.00		$15.40		$17.30		$19.20		$23.00		$28.70		$38.90	
Agua Water Services, Inc.	964 [1]	1.13	$26.00		$35.39		$38.52		$41.65		$47.91		$57.30		$72.95	
Ajo Improvement Company	2,500 [1]	0.26	$9.45		$16.95		$19.85		$22.75		$28.55		$37.25		$53.75	
American Ranch Domestic Water Improvement District	132 [1]		$25.00		$30.60		$33.40		$36.20		$41.80		$50.20		$64.20	
Antelope Lakes Water Company, Inc.		0.16	$15.00		$21.00		$23.00		$25.00		$29.00		$35.00		$45.00	
Antelope Peak Domestic Water Improvement District	59 [1]		$10.00		$45.00		$48.75		$56.25		$73.75		$106.25		$168.75	
Antelope Water Company	163 [1]	0.76	$13.50		$16.50		$17.50		$18.50		$21.30		$25.50		$32.50	
Arivay Manville Water Company, L.L.C.	602 [1]	1.35	$30.00		$40.50		$44.00		$47.50		$54.50		$65.00		$89.25	
Apache Junction Water Utilities Community Facilities District	13,657 [1]	1.14	$19.35		$30.99		$34.87		$38.75		$49.71		$66.15		$95.26	
Appaloosa Water Company, Inc.	500 [1]		$25.00		$30.05		$34.10		$37.35		$43.85		$57.20		$79.45	
Arivaca Townsite Cooperative Water Company, Inc.	150 [1]	0.60	$10.00		$14.50		$16.50		$18.50		$22.50		$30.50		$45.50	
Arizona City Sanitary District																
Arizona Water Company-Ajo	1,606 [1]	1.25	$25.00		$35.09		$41.04		$46.99		$58.89		$76.74		$122.85	
Arizona Water Company-Apache Junction, Miami, Superior	69,272 [1]		$22.26		$27.16		$30.49		$33.82		$40.47		$50.45		$74.44	
Arizona Water Company-Bisbee	7,975 [1]		$17.00		$21.98		$27.39		$32.79		$43.60		$59.82		$92.46	
Arizona Water Company-Casa Grande, Coolidge, Stanfield	844 [1]		$16.00		$19.56		$21.67		$23.77		$27.97		$34.28		$50.58	
Arizona Water Company-Lakeside, Overgaard	21,308 [1]		$17.26		$29.01		$34.43		$39.85		$50.69		$66.96		$103.49	
Arizona Water Company-Oracle, Saddlebrooke Ranch	4,943 [1]		$26.94		$34.76		$40.22		$45.69		$56.62		$73.01		$109.24	
Arizona Water Company-Pinewood, Rimrock, Sedona	21,562 [1]		$25.33		$31.69		$35.25		$38.80		$45.90		$56.56		$78.99	
Arizona Water Company-San Manuel	5,717 [1]		$27.00		$33.51		$37.96		$42.41		$51.32		$64.67		$95.86	
Arizona Water Company-Sierra Vista	9,735 [1]		$17.00		$20.60		$22.53		$24.46		$28.33		$34.12		$49.40	
Arizona Water Company-White Tank	6,205 [1]		$23.00		$28.40		$30.20		$32.00		$38.00		$47.00		$62.00	
Arizona Water Company-Winkelman	463 [1]		$21.00		$23.25		$24.90		$26.55		$29.85		$34.80		$49.80	
Ash Creek Water Company	360 [1]		$18.00		$22.65		$25.40		$28.15		$33.55		$43.10		$62.85	
Ash Fork Water Service	2,150 [1]	0.95	$12.00		$22.05		$26.05		$30.05		$38.71		$52.69		$75.99	

Service Population is approximated.
Source 1= EPA SDWIS 2013; 2= 2013 Census Population

Water Infrastructure Finance Authority of Arizona
and Environmental Finance Center

Compare with caution. High rates may be justified and necessary to protect public health.

Rate Table 2: 2015 Residential Monthly-Equivalent Water Bills at Various Consumption Levels (Includes Base Charges)

Utility / Rate Structure	Service Population (Approx.)	Operating Ratio	Zero Gallons (0 cf)		3,000 Gallons (401 cf)		4,000 Gallons (535 cf)		5,000 Gallons (668 cf)		7,000 Gallons (936 cf)		10,000 Gallons (1,337 cf)		15,000 Gallons (2,005 cf)	
			Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside
Aubrey Water Company	823 [1]	0.45	$12.50		$17.75		$20.00		$22.25		$26.75		$33.50		$47.00	
Avondale	79,335 [1]	0.74	$11.50		$14.32		$15.26		$16.70		$19.58		$25.34		$39.56	
Avra Water Cooperative	8,360 [1]	1.16	$28.29		$35.79		$38.29		$40.79		$45.79		$54.69		$69.99	
Baca Float Water Company, Inc.	832 [1]	0.73	$15.00		$24.75		$29.65		$34.55		$44.35		$59.05		$88.30	
Beardsley Water Company, Inc.	541 [1]	0.71	$14.00		$20.48		$22.64		$25.09		$29.99		$37.34		$54.99	
Beaver Dam Water Company, Inc.	910 [1]	1.04	$27.50		$34.25		$38.50		$42.75		$51.25		$68.50		$97.25	
Bellemont Water Company, Inc.	100 [1]		$16.00		$61.00		$76.00		$98.50		$143.50		$211.00		$356.00	
Bensch Ranch Utilities																
Benson	6,306 [1]	0.99	$8.00		$12.01		$13.52		$15.53		$19.54		$28.92		$45.69	
Bermuda Water Company, Inc.	18,000 [1]	1.26	$13.00		$16.75		$18.75		$20.75		$24.75		$31.87		$47.47	
Bemeil Water Company	1,115 [1]		$4.40		$5.09		$5.78		$6.47		$7.85		$9.92		$13.37	
Biasi Water Company, Inc.	425 [1]	0.92	$15.00		$24.00		$27.00		$30.00		$36.00		$45.00		$60.00	
Bidegain Water Company	49 [1]		$13.50		$19.50		$21.50		$24.70		$31.10		$43.50		$66.50	
Big Park Domestic Wastewater Improvement District																
Big Park Water Company, Inc.	7,006 [1]	0.97	$18.00		$22.72		$25.08		$27.44		$32.16		$39.24		$51.04	
Bisbee																
Black Canyon City Water Improvement District	2,437 [1]	1.16	$15.00		$25.74		$29.32		$32.90		$40.06		$51.70		$74.10	
Bonita Creek Land and Homeowner Association	50 [1]	1.13	$35.00		$54.50		$61.50		$68.50		$82.50		$105.00		$143.75	
Bradshaw Mountain View Water Company, Inc.	1,070 [1]		$17.00		$21.89		$24.34		$26.79		$31.69		$39.04		$53.74	
Bradshaw Water Company, Inc.	440 [1]	0.87	$38.00		$56.00		$62.00		$71.00		$89.00		$129.10		$206.85	
Brooke Water, LLC	7,786 [1]		$16.90		$28.69		$32.62		$36.55		$44.41		$56.20		$75.85	
Buckeye	4,005 [1]	0.98	$26.94		$37.20		$40.62		$44.04		$52.41		$67.26		$109.66	
Buckskin Sanitary District																
Bullhead City																
Camp Verde																
Camp Verde Water System	3,730 [1]	1.15	$23.75		$33.65		$36.95		$40.25		$46.85		$56.75		$73.25	
Carefree Water Company, Inc.	2,800 [1]	1.18	$40.75		$50.62		$53.91		$57.20		$63.78		$75.93		$98.08	
Casa Grande	909 [1]	1.10	$18.50		$27.50		$30.50		$33.50		$39.50		$48.50		$63.50	
Casa Grande South Water Company	220 [1]	1.10	$22.00		$27.46		$29.28		$31.10		$34.74		$40.20		$49.30	
Casa Grande West Water Company, Inc.	834 [1]	1.14	$14.22		$21.78		$24.30		$27.22		$33.06		$42.22		$58.82	
Cave Creek	5,015 [1]	1.26	$50.00		$59.75		$63.00		$66.25		$72.75		$82.50		$105.00	
C-D Oasis Water Company	21 [1]		$17.00		$19.80		$22.60		$25.40		$31.00		$40.80		$58.30	
Cedar Grove Water Company, Inc.	1,092 [1]	0.83	$22.50		$32.25		$37.25		$42.25		$52.25		$69.25		$104.25	
Cerbat Water Company, Inc.	648 [1]	0.99	$30.00		$36.45		$40.20		$43.95		$51.45		$65.90		$92.65	
Chandler	300,000 [1]	1.10	$8.87	$12.42	$13.67	$19.14	$15.27	$21.38	$16.87	$23.62	$20.07	$28.10	$24.87	$34.82	$34.77	$48.72
Chaparral Water Company, Inc.	332 [1]	1.31	$13.25		$18.98		$20.89		$22.80		$26.62		$33.82		$45.82	
Chino Meadows II Water Company, Inc.	2,350 [1]	0.97	$17.75		$24.95		$28.15		$31.35		$37.75		$49.35		$70.35	

Service Population is approximated
Source: 1= EPA SDWIS 2013; 2= 2013 Census Population

Water Infrastructure Finance Authority of Arizona
and Environmental Finance Center

Compare with caution. High rates may be justified and necessary to protect public health.

Rate Table 2: 2015 Residential Monthly-Equivalent Water Bills at Various Consumption Levels (Includes Base Charges)

Utility / Rate Structure	Service Population (Approx.)	Operating Ratio	Zero Gallons (0 cf)		3,000 Gallons (401 cf)		4,000 Gallons (535 cf)		5,000 Gallons (668 cf)		7,000 Gallons (936 cf)		10,000 Gallons (1,337 cf)		15,000 Gallons (2,005 cf)	
			Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside
Chino Valley	1,950 [1]	0.54	$5.29		$18.22		$22.53		$26.84		$35.46		$50.55		$77.50	
Cibola Mutual Water Company	162 [2]	1.16	$25.00		$37.00		$41.00		$45.00		$53.00		$67.50		$93.75	
Cienega Water Company, Inc.	265 [1]	2.61	$30.00		$42.80		$49.60		$56.40		$70.00		$101.80		$154.80	
Circle City Water Company, L.L.C.	672 [1]		$10.75		$12.70		$14.65		$16.60		$20.50		$26.35		$36.10	
Citrus Park Water Company, Inc.	40 [1]	0.44	$20.00		$24.50		$26.00		$27.50		$30.50		$35.00		$42.50	
Clarkdale	4,027 [1]	1.35	$35.28		$45.20		$50.16		$55.12		$65.42		$80.87		$116.92	
Clay Springs Domestic Water Improvement District	380 [1]		$30.00		$31.83		$35.48		$39.13		$46.43		$57.38		$69.88	
Clear Springs Utility Company, Inc.	1,650 [1]	1.15	$12.75		$17.25		$20.85		$24.45		$31.65		$45.55		$71.30	
Clearwater Utilities Company, Inc.	2,075 [1]	1.07	$10.00		$14.35		$15.80		$17.25		$20.15		$24.90		$33.15	
Clifton																
Cloud Nine Water Company, Inc.	289 [1]	0.48	$8.00		$9.25		$10.50		$11.75		$14.25		$18.00		$24.25	
Coldwater Canyon Water Company	1,085 [1]	1.16	$12.50		$14.75		$15.50		$16.50		$18.50		$21.50		$29.75	
Colorado City	5,500 [1]	1.00	$28.50		$32.10		$33.30		$34.50		$36.90		$40.50		$46.50	
Community Water Company of Green Valley	20,000 [1]	1.11	$13.00		$16.90		$19.40		$21.90		$26.90		$34.40		$51.50	
Concho Wastewater Improvement District																
Congress Domestic Water Improvement District	1,850 [1]	2.34	$35.00		$41.00		$44.00		$47.00		$53.00		$62.00		$77.00	
Coolidge																
Cordes Lakes Water Company, Inc.	2,417 [1]		$11.75		$20.30		$24.55		$28.80		$37.30		$54.55		$87.05	
Coronado Utilities, Inc.																
Cottonwood	22,770 [1]	1.25	$24.76	$32.19	$30.90	$40.19	$33.97	$44.19	$37.04	$48.19	$45.50	$59.19	$58.19	$75.69	$88.34	$114.89
CP Water Company	37 [1]		$5.00		$5.00		$5.00		$5.00		$6.00		$7.50		$10.00	
Dateland Public Service Company, Inc.	319 [1]	0.64	$36.00		$42.00		$45.10		$48.20		$54.40		$67.60		$89.60	
Dateland Water, LLC	31 [1]		$10.00		$16.00		$18.00		$20.00		$24.00		$30.00		$40.00	
Desert Valencia Water, Inc.		0.16	$6.25		$7.25		$8.25		$9.25		$10.75		$13.00		$16.00	
Desert Vista Sanitary District																
Diamond Valley Water Distnct	2,000 [1]	1.40	$43.00		$63.55		$71.85		$80.15		$96.75		$125.45		$176.45	
Diversified Water Utilities, Inc.	3,808 [1]	1.01	$27.50		$38.45		$42.10		$45.75		$53.05		$64.00		$82.25	
Doney Park Water	8,430 [1]	1.07	$21.95		$39.05		$44.75		$52.45		$67.85		$90.95		$139.45	
Double R Water Distributers, Inc.	84 [1]	0.72	$13.20		$17.20		$19.20		$21.20		$25.20		$31.70		$42.95	
Douglas	13,300 [1]	1.16	$15.50	$19.50	$18.05	$22.20	$18.95	$23.20	$19.85	$24.20	$21.65	$26.20	$24.45	$29.30	$29.20	$34.55
Dragoon Water Company, Inc.	378 [1]	1.07	$32.00		$41.75		$47.15		$52.55		$63.35		$79.55		$113.55	
DS Water Company	244 [1]	0.64	$25.00		$31.00		$33.00		$36.75		$44.25		$55.50		$87.10	
Duncan	348 [1]	0.65	$19.01		$21.62		$24.24		$26.85		$32.08		$39.92		$52.99	
Eagar	4,500 [1]	1.14	$10.71	$21.42	$13.36	$26.72	$16.01	$32.02	$18.66	$37.32	$23.96	$47.92	$31.91	$63.82	$45.16	$90.32
Eagletail Water Company, LLC	130 [1]	1.24	$31.56		$43.26		$49.11		$54.96		$66.66		$84.21		$113.46	
East Slope Water Company, Inc.	2,265 [1]	1.03	$12.23		$15.08		$16.78		$18.48		$21.88		$26.98		$42.83	
Eden Water Company, Inc.	400 [1]		$23.42		$27.92		$31.62		$35.32		$42.72		$56.92		$83.17	

Service Population is approximated
Source: 1= EPA SDWIS 2013, 2= 2013 Census Population

Water Infrastructure Finance Authority of Arizona
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Rate Table 2: 2015 Residential Monthly-Equivalent Water Bills at Various Consumption Levels (Includes Base Charges)

Utility / Rate Structure	Service Population (Approx.)	Operating Ratio	Zero Gallons (0 cf)		3,000 Gallons (401 cf)		4,000 Gallons (535 cf)		5,000 Gallons (668 cf)		7,000 Gallons (936 cf)		10,000 Gallons (1,337 cf)		15,000 Gallons (2,005 cf)	
			Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside
Ehrenberg Improvement Association	1,500 [1]	0.98	$15.00		$18.75		$20.40		$22.05		$25.35		$30.80		$40.30	
El Mirage	36,905 [1]	1.08	$19.77		$30.42		$33.97		$37.52		$45.34		$57.07		$76.62	
El Prado Water Company, Inc.	350 [1]	0.91	$15.00		$20.44		$23.16		$25.88		$31.32		$39.48		$53.08	
Elfrida Domestic Water Improvement District	805 [1]		$25.00		$29.65		$31.20		$32.75		$35.85		$40.50		$48.25	
Eloy	9,700 [1]	1.03	$18.22	$36.44	$26.98	$53.96	$29.90	$59.80	$32.82	$65.64	$38.66	$77.32	$47.42	$94.84	$65.67	$131.34
Empirita Water Company, LLC	64 [1]	0.40	$30.00		$37.50		$42.00		$46.50		$55.50		$70.50		$100.50	
EPCOR Water Company-Agua Fria	52,400 [1]	1.42	$22.61		$31.54		$34.52		$38.97		$47.88		$61.24		$85.45	
EPCOR Water Company-Anthem	25,302 [1]		$27.08		$33.58		$36.83		$40.08		$50.91		$69.32		$107.23	
EPCOR Water Company-Chaparral City Water Company	26,026 [1]		$20.40		$27.75		$31.40		$35.05		$42.35		$54.15		$76.65	
EPCOR Water Company-Havasu	4,068 [1]		$29.00		$38.39		$42.72		$47.05		$55.71		$71.18		$105.24	
EPCOR Water Company-Mohave	36,330 [1]		$11.00		$13.64		$15.48		$17.32		$21.00		$26.52		$42.55	
EPCOR Water Company-North Mohave	4,886 [1]		$11.00		$15.40		$17.60		$19.80		$24.20		$30.80		$41.80	
EPCOR Water Company-Paradise Valley	11,600 [1]		$25.23		$28.38		$29.43		$30.48		$32.98		$36.73		$42.98	
EPCOR Water Company-Sun City	38,016 [1]		$8.76		$11.63		$12.99		$14.35		$17.08		$21.46		$30.81	
EPCOR Water Company-Sun City West	25,362 [1]		$14.80		$22.03		$24.44		$27.39		$33.29		$42.14		$56.89	
EPCOR Water Company-Tubac	1,485 [1]		$28.26		$35.25		$38.68		$42.10		$48.96		$59.24		$81.38	
Escapees at North Ranch Utilities, LLC	500 [1]	0.85	$12.00		$15.60		$16.80		$18.00		$20.40		$24.00		$30.00	
Far West Water and Sewer, Inc.	32,425 [1]		$15.53		$20.44		$22.08		$23.72		$26.99		$31.90		$40.09	
Farmers Water Company, Inc.	7,125 [1]	0.77	$8.50		$12.55		$14.45		$16.35		$20.15		$25.85		$38.85	
Fisher's Landing Water and Sewer Works, LLC	402 [1]	0.62	$10.00		$13.00		$14.80		$16.60		$20.20		$25.60		$36.10	
Flagstaff	64,908 [1]	1.03	$6.71	$7.38	$17.90	$19.68	$21.88	$24.05	$26.43	$29.06	$36.69	$40.36	$56.16	$61.78	$106.86	$117.55
Flagstaff Ranch Water Company, Inc.	575 [1]	0.82	$27.00		$32.90		$35.85		$38.80		$44.70		$53.55		$68.30	
Florence	13,733 [1]	1.85	$22.34	$29.04	$27.14	$35.16	$28.74	$37.20	$30.34	$39.24	$33.54	$43.32	$38.34	$49.44	$49.39	$63.59
Flowing Wells Irrigation District	15,500 [1]		$10.35	$14.24	$17.34	$22.31	$19.67	$25.00	$22.00	$27.69	$26.66	$33.07	$33.65	$41.14	$45.30	$54.59
Forest Highlands Water Company	1,485 [1]	0.82	$20.00		$27.50		$30.00		$32.50		$38.20		$47.80		$63.80	
Fountain Hills Sanitary District																
Francesca Water Company, Inc.	108 [1]	1.02	$22.00		$28.90		$32.90		$36.90		$44.90		$56.90		$80.55	
Fredonia	1,300 [1]	1.01	$42.12		$44.67		$45.52		$46.37		$48.27		$51.12		$56.37	
Gadsden Water Company, Inc.	930 [1]	1.12	$8.00		$10.00		$11.00		$12.00		$14.00		$17.00		$22.00	
Gila Bend	1,922 [1]	0.71	$26.50	$33.13	$29.80	$37.25	$30.90	$38.63	$32.00	$40.00	$34.50	$43.13	$38.25	$47.81	$45.50	$56.88
Gilbert	210,000 [1]	1.13	$14.63		$17.87		$18.95		$20.03		$22.19		$25.43		$31.13	
Glendale	180,000 [1]	1.28	$9.70	$12.61	$16.12	$20.98	$18.26	$23.77	$20.40	$26.56	$25.22	$32.84	$33.26	$43.31	$46.66	$60.76
Globe	10,417 [1]	0.95	$10.65	$25.10	$19.95	$36.98	$23.05	$40.94	$27.35	$47.10	$34.03	$55.90	$44.05	$69.10	$60.75	$91.10
Golden Shores Water Company, Inc.	2,740 [1]	0.97	$20.00		$24.56		$26.08		$27.60		$30.64		$35.20		$42.80	
Golden Valley Domestic Water Improvement District	3,950 [1]	0.60	$15.00		$15.00		$18.30		$22.87		$33.47		$49.37		$88.87	
Goodman Water Company	1,600 [1]	1.74	$45.25		$58.93		$68.23		$77.53		$96.13		$125.33		$178.33	

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Rate Table 2: 2015 Residential Monthly-Equivalent Water Bills at Various Consumption Levels (Includes Base Charges)

Utility / Rate Structure	Service Population (Approx.)	Operating Ratio	Zero Gallons (0 cf)		3,000 Gallons (401 cf)		4,000 Gallons (535 cf)		5,000 Gallons (668 cf)		7,000 Gallons (936 cf)		10,000 Gallons (1,337 cf)		15,000 Gallons (2,005 cf)	
			Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside
Goodyear	34,000 [1]	1.38	$11.24	$14.06	$15.14	$18.95	$16.44	$20.58	$17.74	$22.21	$21.63	$27.08	$29.40	$36.80	$46.25	$57.89
Graham County Utilities, Inc.	3,025 [2]	1.13	$19.50		$28.50		$31.70		$34.90		$41.30		$51.21		$68.76	
Granite Dells Water Company	50 [1]	0.42	$4.00		$10.21		$11.68		$13.15		$16.09		$19.83		$25.85	
Granite Mountain Water Company	278 [1]		$25.00		$38.20		$42.60		$49.20		$62.40		$82.20		$121.70	
Granite Oaks Water Users Association	1,200 [1]	1.17	$20.00		$24.00		$26.00		$28.00		$32.00		$38.00		$48.00	
Green Valley Domestic Water Improvement District	8,790 [2]	0.79	$20.25		$26.10		$28.05		$30.00		$33.90		$39.75		$49.50	
Groom Creek Water Users Association	810 [1]	1.58	$50.00		$83.00		$96.00		$109.00		$137.50		$184.00		$339.00	
Halcyon Acres Annex #2 Water Company, Inc.	100 [1]	0.76	$14.00		$19.25		$21.00		$23.30		$27.90		$34.80		$47.80	
Halcyon Acres Water Users Association, Inc.	234 [1]	0.58	$32.00		$32.00		$32.00		$32.00		$34.00		$37.00		$42.00	
Harrisburg Utility Company	1,300 [2]	0.94	$16.00		$25.00		$28.00		$31.00		$37.00		$48.50		$69.75	
Havasu Heights Domestic Water Improvement District	395 [1]	1.13	$10.00		$17.65		$20.20		$22.75		$27.85		$35.50		$49.35	
Hayden-AZ Water Division			$10.50		$11.80		$13.10		$14.40		$17.00		$20.90		$27.40	
Hayden-Hayden Division	870 [1]		$7.00		$7.00		$7.00		$7.75		$9.25		$11.50		$15.25	
Heckethorn Water Company	90 [1]		$25.25		$32.51		$34.93		$37.35		$42.19		$49.45		$61.55	
High Country Pines Water Company	495 [1]	1.14	$20.00		$30.75		$34.50		$38.25		$45.75		$57.00		$77.00	
High Valley Ranch Domestic Wastewater Improvement District																
Highland Pines Domestic Water Improvement District	450 [1]		$50.00		$90.67		$108.10		$132.26		$192.66		$319.50		$613.65	
Holiday Water Company	555 [1]	1.30	$21.45		$25.95		$28.20		$30.45		$34.95		$41.70		$61.70	
Ho-Tye Water Company			$25.00		$30.75		$33.00		$35.25		$39.75		$46.50		$57.75	
Huachuca City	1,950 [2]	0.69	$11.00	$13.00	$13.00	$15.00	$15.00	$17.00	$17.00	$19.00	$21.00	$23.00	$27.00	$29.00	$37.00	$39.00
Humboldt Water Systems, Inc.	700 [1]		$22.50		$28.50		$31.60		$34.70		$40.90		$50.20		$73.70	
ICR Water Users Association	201 [1]	0.73	$20.00		$28.40		$31.20		$35.20		$43.20		$56.20		$81.20	
J.D. Campbell Water-Sunrise Water Company	4,400 [1]		$17.00		$22.25		$24.00		$26.50		$31.50		$39.00		$52.80	
J.D. Campbell Water-West End Water Company	725 [1]		$16.50		$24.60		$28.60		$32.60		$40.60		$52.60		$78.85	
Jackson Acres Domestic Water Improvement District	30 [1]		$30.00		$34.50		$38.00		$41.50		$48.50		$60.50		$85.50	
Jake's Corner Water System	35 [1]		$12.00		$15.70		$17.55		$19.40		$23.10		$28.65		$37.90	
Jerome	400 [1]	1.12	$41.05	$51.56	$41.05	$51.56	$41.05	$51.56	$41.05	$51.56	$41.05	$51.56	$41.05	$51.56	$41.05	$51.56
Johnson Utilities Company	59,640 [2]	0.98	$16.90		$22.21		$23.98		$26.13		$30.43		$36.88		$49.41	
Joseph City Domestic Water Improvement District	1,500 [1]		$21.88		$22.88		$23.88		$24.88		$26.88		$29.88		$34.88	
Joshua Valley Utility Company	965 [1]		$13.50		$23.70		$27.10		$30.50		$38.30		$50.00		$69.50	
Kachina Village Improvement District	3,300 [1]		$19.67		$24.35		$27.03		$29.71		$37.07		$53.91		$106.28	
Katherine Resort Water Company	82 [1]		$28.25		$38.75		$44.15		$49.55		$60.35		$80.85		$118.60	
Kearny	2,250 [1]	1.12	$26.45		$26.45		$26.45		$26.45		$30.05		$36.85		$49.35	
Kingman	45,000 [2]	1.69	$10.96	$13.39	$16.75	$21.19	$18.68	$23.79	$20.61	$26.39	$24.47	$31.59	$30.26	$39.39	$42.36	$55.79

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Rate Table 2: 2015 Residential Monthly-Equivalent Water Bills at Various Consumption Levels (Includes Base Charges)

Utility / Rate Structure	Service Population (Approx.)	Operating Ratio	Zero Gallons (0 cf)		3,000 Gallons (401 cf)		4,000 Gallons (535 cf)		5,000 Gallons (668 cf)		7,000 Gallons (936 cf)		10,000 Gallons (1,337 cf)		15,000 Gallons (2,005 cf)	
			Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside
Kings Ranch Unit 2 Domestic Wastewater Improvement District																
La Casita Water Company, Inc.	1,059 [1]	1.02	$21.00		$31.50		$35.00		$38.50		$45.50		$56.00		$73.50	
Lago Del Oro Water Company	12,727 [1]	1.36	$14.50		$19.30		$20.90		$24.05		$30.35		$39.80		$60.80	
Lagoon Estates Water Company, Inc.	1,860 [1]	1.04	$16.00		$23.50		$27.10		$30.70		$37.90		$48.70		$70.85	
Lake Havasu City	54,610 [1]	1.21	$5.16	$6.45	$10.57	$13.23	$12.38	$15.49	$14.18	$17.75	$17.79	$22.27	$23.36	$29.23	$35.12	$43.94
Lake Verde Water Company, Inc.	125 [1]	0.75	$10.50		$14.50		$16.50		$18.50		$22.50		$28.50		$38.50	
Lakewood Water Company	900 [1]		$12.00		$15.00		$16.00		$17.40		$20.20		$24.40		$32.90	
Las Quintas Serenas Water Company	3,042 [1]	1.06	$22.00		$26.50		$28.00		$30.50		$35.50		$43.00		$60.50	
Lazy C Water Service	335 [1]	0.87	$19.00		$26.35		$30.35		$34.35		$42.35		$55.85		$83.35	
Liberty Utilities-Carefree, Cave Creek, Scottsdale, Black Mountain Sewer																
Liberty Utilities-Entrada Del Oro																
Liberty Utilities-Gold Canyon																
Liberty Utilities-Hereford, Bella Vista Water, Huachuca City, Sierra Vista, Whetstone	25,540 [1]	1.05	$15.00		$19.35		$20.80		$23.01		$27.43		$34.06		$47.66	
Liberty Utilities-Litchfield Park, Avondale, Glendale, Goodyear	34,000 [1]	1.50	$13.26		$15.51		$17.46		$19.41		$23.31		$29.16		$43.91	
Liberty Utilities-Rio Rico	20,000 [1]	1.37	$15.46		$19.93		$22.91		$25.89		$31.85		$41.30		$58.75	
Little Colorado Sanitary District																
Little Park Water Company	175 [1]	0.87	$21.21		$26.46		$29.46		$32.46		$38.46		$47.46		$67.86	
Livco Water Company	900 [1]	0.99	$18.75		$23.25		$25.99		$28.73		$34.21		$42.43		$65.03	
Loma Estates Water Company, LLC	80 [1]	0.91	$22.00		$38.80		$44.40		$50.00		$61.20		$78.00		$106.00	
Loma Linda Water Company	362 [1]	0.89	$16.63		$23.74		$26.11		$29.68		$36.82		$47.53		$65.38	
Lord Arizona Water Systems, Inc.	867 [1]		$22.00		$29.44		$31.92		$34.40		$39.36		$46.80		$59.20	
Los Cerros Water Company, Inc.	3,332 [1]	1.07	$12.50		$19.82		$22.26		$24.70		$29.58		$36.90		$49.10	
Lyn Lee Water Company	120 [1]		$17.80		$23.80		$26.80		$29.80		$35.80		$44.80		$59.80	
Mammoth	1,835 [1]		$11.41	$11.41	$18.85	$18.85	$22.57	$22.57	$26.29	$26.29	$33.73	$33.73	$44.89	$44.89	$63.49	$63.49
Marana	15,366 [1]	0.69	$17.31		$27.15		$30.43		$33.71		$40.27		$50.11		$72.06	
Marana Domestic Water Improvement District	1,939 [1]	0.94	$27.40		$33.75		$36.40		$39.05		$44.35		$54.05		$70.80	
Maricopa Domestic Water Improvement District	1,200 [1]	0.83	$22.00	$44.00	$28.75	$50.75	$31.00	$53.00	$33.25	$55.25	$37.75	$59.75	$44.50	$66.50	$55.75	$77.75
Martinez Lake Sewer Company																
Mayer Domestic Water Improvement District	2,050 [1]		$25.50		$30.50		$33.50		$36.50		$43.50		$55.50		$130.50	
Mesa	466,000 [1]	1.62	$24.14		$24.14		$26.88		$29.62		$35.10		$43.32		$61.13	
Mescal Lakes Water Systems, Inc.	1,479 [1]	1.08	$16.50		$27.00		$30.50		$34.00		$41.00		$51.50		$69.00	
Metropolitan Domestic Water Improvement District-Metro-Main, Metro-Hub	48,003 [1]	1.52	$22.00		$29.20		$31.60		$34.70		$40.90		$50.20		$71.74	

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Rate Table 2: 2015 Residential Monthly-Equivalent Water Bills at Various Consumption Levels (Includes Base Charges)

Utility / Rate Structure	Service Population (Approx.)	Operating Ratio	Zero Gallons (0 cf)		3,000 Gallons (401 cf)		4,000 Gallons (535 cf)		5,000 Gallons (668 cf)		7,000 Gallons (936 cf)		10,000 Gallons (1,337 cf)		15,000 Gallons (2,005 cf)	
			Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside
Metropolitan Domestic Water Improvement District-Metro-Southwest(Diablo Village)	3,304 [1]		$20.00		$30.20		$33.60		$37.00		$43.80		$54.00		$71.00	
Metropolitan Domestic Water Improvement District-Metro-Southwest(E&T)	977 [1]		$15.00		$24.00		$27.00		$30.00		$36.00		$45.00		$63.25	
Metropolitan Domestic Water Improvement District-Metro-Southwest(Lazy B)	84 [1]		$30.00		$42.90		$47.20		$51.50		$60.10		$73.00		$94.50	
Miami																
Michael's Ranch Water Users Association	40 [1]	0.68	$25.00		$36.55		$40.40		$44.25		$57.59		$77.60		$114.19	
Mirabell Water Company, Inc.	130 [1]	1.19	$20.00		$29.35		$33.70		$38.05		$46.75		$67.10		$107.10	
Mohawk Utility Company, Inc.	300 [1]		$12.50		$19.10		$21.30		$23.50		$27.90		$34.50		$45.50	
Monte Vista Water Company, LLC	150 [1]		$6.00		$7.00		$8.00		$9.00		$11.00		$14.00		$19.00	
Montezuma Rimrock Water Company, LLC	429 [1]	0.58	$28.00		$35.35		$40.30		$45.25		$55.15		$71.30		$102.55	
Morenci Water and Electric Company	3,763 [1]	0.45	$11.20		$15.01		$17.01		$19.01		$23.01		$30.35		$43.70	
Morenci Water and Electric Company- Clifton	1,683 [1]		$10.00		$12.55		$14.58		$16.61		$20.67		$27.92		$40.97	
Morristown Water Company	120 [1]		$16.00		$22.60		$24.80		$27.00		$31.40		$38.00		$49.00	
Mount Lemmon Domestic Water Improvement District	279 [1]	0.35	$41.85		$59.85		$65.85		$74.85		$92.85		$119.85		$194.85	
Mount Tipton Water Company, Inc.	1,780 [1]	1.01	$34.15		$44.65		$50.15		$55.65		$66.65		$84.87		$116.67	
Mountain Dell Water, Inc.	215 [1]	1.00	$24.00		$33.30		$36.00		$42.70		$52.10		$66.20		$96.20	
Mountain Glen Water Service		0.98	$21.65		$30.29		$33.17		$36.05		$43.09		$53.65		$71.25	
Mountain Pass Utility Company																
MWC Inc. (McNeal Water Company)	120 [1]	0.44	$20.73		$27.69		$31.17		$34.65		$41.61		$52.05		$69.45	
Naco Water Company, L.L.C.	972 [1]	0.98	$35.00		$52.10		$60.40		$68.70		$85.30		$110.20		$161.70	
Navajo Tribal Utility Authority			$8.22		$17.94		$22.97		$28.00		$38.06		$53.15		$78.30	
Navajo Water Company, Inc.	737 [1]	0.67	$27.30		$42.70		$49.10		$55.50		$68.30		$90.08		$128.53	
New River Utility Company, Inc	11,475 [1]	1.35	$9.00		$11.85		$12.80		$14.70		$18.50		$24.20		$37.35	
New Saddleback Vista Domestic Water Improvement District	129 [1]	0.93	$65.00		$65.00		$65.00		$65.00		$65.00		$65.00		$90.00	
Nogales	22,000 [2]	0.80	$7.11	$21.33	$12.45	$29.34	$14.52	$32.18	$16.59	$35.02	$20.73	$40.70	$27.30	$49.82	$39.03	$66.36
Northern Gila County Sanitary District																
Oak Creek Public Service, LLC	588 [1]	1.26	$12.00		$17.85		$19.80		$21.90		$26.10		$32.40		$43.65	
Oak Creek Utility Corporation	62 [1]	1.09	$30.00		$38.70		$42.70		$46.70		$54.70		$66.70		$86.70	
Oak Creek Water Company, No. 1	1,500 [1]	0.84	$8.00		$13.19		$14.92		$17.32		$22.12		$29.32		$43.72	
Oatman Water Company	536 [1]		$25.00		$39.85		$46.80		$53.75		$67.65		$90.65		$136.15	
Ojo Bonito Estates Domestic Water Improvement District	53 [1]		$30.00		$30.00		$30.00		$35.00		$45.00		$60.00		$110.00	
Orange Grove Water Company	800 [1]	0.95	$12.84		$18.84		$21.59		$24.34		$29.84		$39.21		$55.76	
Oro Valley	49,398 [1]	1.34	$14.19		$23.73		$26.91		$30.09		$36.45		$48.33		$68.13	

Service Population is approximated
Source: 1= EPA SDWIS 2013, 2= 2013 Census Population

Water Infrastructure Finance Authority of Arizona
and Environmental Finance Center

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Rate Table 2: 2015 Residential Monthly-Equivalent Water Bills at Various Consumption Levels (Includes Base Charges)

Utility / Rate Structure	Service Population (Approx.)	Operating Ratio	Zero Gallons (0 cf)		3,000 Gallons (401 cf)		4,000 Gallons (535 cf)		5,000 Gallons (668 cf)		7,000 Gallons (936 cf)		10,000 Gallons (1,337 cf)		15,000 Gallons (2,005 cf)	
			Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside
Page	7,705 [1]	1.11	$14.13		$14.13		$16.48		$18.83		$23.53		$30.58		$42.33	
Palo Verde Utilities Company																
Papago Butte Domestic Water Improvement District	500 [1]	1.28	$36.00		$42.30		$44.40		$46.50		$50.70		$60.00		$75.50	
Paradise Valley																
Park Water Company	348 [1]	0.92	$25.00		$34.00		$39.00		$44.00		$54.00		$72.80		$116.80	
Parker	3,087 [1]	0.94	$9.36		$16.41		$18.76		$21.11		$25.81		$32.86		$44.61	
Parker Springs Water Company			$60.84		$68.94		$73.44		$77.94		$86.94		$102.24		$129.24	
Patagonia	850 [1]	0.66	$16.85		$18.25		$19.65		$21.05		$23.85		$28.05		$38.05	
Payson	17,682 [1]	1.03	$28.31		$32.13		$35.95		$39.77		$49.85		$64.97		$93.77	
Payson Water Company, Inc.	3,009 [1]	0.64	$24.10		$36.10		$43.76		$51.43		$66.76		$89.75		$137.83	
Payson Water Company, Inc.- Gisela and Tonto Creek Shores	480 [1]		$21.00		$31.20		$38.26		$45.32		$59.44		$80.62		$125.72	
Peeples Valley Water Company	500 [1]	0.92	$23.75		$31.85		$35.90		$39.95		$48.05		$60.20		$85.20	
Peoria	124,500 [1]	1.11	$15.54		$18.54		$19.54		$22.13		$27.31		$35.08		$53.38	
Phoenix	1,500,000 [1]	1.44	$4.36	$6.54	$4.36	$6.54	$4.36	$6.54	$6.58	$9.87	$15.24	$22.86	$28.24	$42.35	$49.89	$74.84
Picacho Peak Water Company	321 [1]	1.11	$15.00		$24.15		$28.73		$33.31		$42.47		$56.21		$83.66	
Picacho Sewer Company																
Picacho Water Company	1,270 [1]	1.09	$15.00		$24.00		$27.00		$30.00		$36.00		$45.00		$60.00	
Picacho Water Improvement Corporation	400 [1]		$67.12		$68.62		$70.12		$71.62		$74.62		$79.12		$86.62	
Pima																
Pima County																
Pima Utility Company	20,000 [1]	1.22	$7.72		$9.85		$10.56		$11.57		$13.59		$16.62		$23.87	
Pine Creek Canyon Domestic Water Improvement District	160 [1]	0.98	$37.50		$45.50		$49.50		$53.50		$65.50		$89.50		$145.50	
Pine Meadows Utilities, LLC																
Pine Strawberry Domestic Water Improvement District	8,000 [1]	1.45	$42.50		$47.75		$54.75		$61.75		$77.75		$104.75		$149.75	
Pine Valley Water Company	300 [1]	0.93	$18.65		$28.61		$31.93		$36.91		$46.87		$61.81		$87.71	
Pine Water Association Domestic Water Improvement District	400 [1]		$25.00		$55.00		$65.00		$75.00		$95.00		$125.00		$195.00	
Pinecrest Water Company, Inc.	73 [1]	0.57	$30.00		$39.75		$45.25		$50.75		$61.75		$78.25		$105.75	
Pinetop Water Community Facilities District	3,550 [1]	1.19	$23.48		$34.07		$37.60		$41.13		$48.19		$58.78		$76.43	
Pinetop-Lakeside Sanitary District																
Pineview Water Company	115 [1]		$18.00		$26.25		$30.25		$34.25		$42.25		$54.25		$78.75	
Pinewood Sanitary District																
Ponderosa Park Domestic Water Improvement District	600 [1]	0.87	$48.30		$56.88		$61.87		$70.03		$92.48		$149.65		$333.95	
Ponderosa Utility Corporation	1,100 [1]	1.11	$24.25		$34.88		$38.88		$42.88		$50.88		$63.38		$84.63	

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Source: 1= EPA SDWIS 2013, 2= 2013 Census Population

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Rate Table 2: 2015 Residential Monthly-Equivalent Water Bills at Various Consumption Levels (Includes Base Charges)

Utility / Rate Structure	Service Population (Approx.)	Operating Ratio	Zero Gallons (0 cf)		3,000 Gallons (401 cf)		4,000 Gallons (535 cf)		5,000 Gallons (668 cf)		7,000 Gallons (936 cf)		10,000 Gallons (1,337 cf)		15,000 Gallons (2,005 cf)	
			Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside
Porter Creek Domestic Water Improvement District	300 [1]		$27.50		$38.00		$41.50		$45.00		$52.00		$62.50		$80.00	
Prescott	43,217 [1]	1.32	$13.86	$19.40	$26.10	$35.50	$31.80	$43.13	$37.50	$50.76	$48.90	$66.02	$66.00	$88.91	$105.60	$144.01
Prescott - Chino Valley			$18.02		$33.14		$40.29		$47.44		$61.74		$83.19		$134.69	
Prescott Valley	43,985 [1]	1.04	$9.00		$18.06		$21.08		$24.10		$30.14		$40.40		$58.50	
Pueblo del Sol Water Company	12,804 [1]	1.40	$13.45		$18.05		$20.35		$22.65		$27.25		$34.15		$48.15	
Q Mountain Vista Water Company	440 [1]	1.25	$17.00		$27.00		$32.00		$37.00		$47.00		$69.50		$107.00	
Q Mountain Water, Inc.	848 [1]		$15.00		$21.00		$23.00		$25.00		$29.00		$35.00		$45.00	
Quail Creek Water Company	4,953 [1]	1.23	$15.00		$23.40		$26.20		$29.00		$34.60		$43.00		$57.00	
Quartzsite	1,971 [1]	1.02	$31.51		$43.21		$47.11		$51.01		$58.81		$70.51		$90.01	
Queen Creek	32,597 [1]	1.64	$18.33		$21.87		$23.64		$25.41		$28.95		$34.26		$46.11	
Queen Valley Domestic Water Improvement District	1,500 [1]	0.98	$36.31		$40.81		$42.31		$43.81		$46.81		$51.31		$58.81	
Raindance Water Co-op	159 [1]		$10.00		$23.05		$27.40		$31.75		$40.45		$53.50		$75.25	
Rancho Del Conejo Community Water Co-op, Inc.	558 [1]		$30.00		$34.80		$37.40		$40.00		$45.20		$53.00		$71.85	
Ray Water Company, Inc.	4,500 [1]	1.08	$18.00		$21.00		$22.75		$24.50		$28.00		$36.25		$50.00	
Red Rock Utilities, LLC	1,500 [1]	0.53	$29.00		$38.90		$42.20		$46.45		$54.95		$69.65		$94.15	
Ridgeview Utility Company		0.97	$25.00		$35.23		$38.64		$42.05		$48.87		$59.10		$76.15	
Rillito Water Users Association	100 [1]		$11.50		$14.50		$16.00		$17.50		$20.50		$25.00		$32.50	
Rim Trail Domestic Water Improvement District	204 [1]	1.13	$79.00		$79.00		$84.00		$89.50		$103.50		$127.50		$167.50	
Rincon Water Company	171 [1]	0.57	$12.00		$27.00		$32.00		$37.00		$47.00		$62.00		$87.00	
Rio Verde Utilities, Inc.	3,024 [1]	1.12	$9.00		$13.77		$15.36		$16.95		$20.13		$24.90		$32.85	
Roosevelt Lake Resort, Inc.	26 [1]		$17.00		$28.64		$32.52		$36.40		$44.16		$55.80		$75.20	
Rose Valley Water Company	6,250 [1]	0.87	$5.25		$8.55		$10.20		$11.85		$15.15		$20.75		$32.25	
Saddlebrooke Utility Company																
Safford	18,900 [1]	1.25	$21.56		$25.88		$27.32		$28.76		$31.64		$35.97		$45.97	
Safford-County	18,900 [1]		$26.96		$32.39		$34.20		$36.01		$39.63		$45.32		$57.62	
Safford-Thatcher	18,900 [1]		$23.72		$28.46		$30.04		$31.62		$34.78		$40.64		$50.54	
Saguaro Water Company	2,748 [1]	1.18	$12.00		$20.90		$25.35		$29.80		$38.70		$52.05		$74.30	
Sahuarita																
Sahuarita Water Company, LLC	13,243 [1]	1.30	$17.15		$24.89		$28.64		$32.39		$39.89		$51.84		$74.09	
San Luis	27,800 [1]	1.36	$12.64		$14.57		$16.50		$18.43		$22.29		$28.08		$37.73	
San Simon Water Improvement District	300 [1]		$30.00		$30.00		$30.00		$30.00		$30.00		$36.00		$46.00	
Sandario Water Company, Inc.	1,062 [1]	0.94	$17.00		$20.30		$22.55		$24.80		$29.30		$36.55		$50.30	
Santa Cruz Water Company	46,103 [1]	1.25	$28.40		$34.15		$36.35		$38.55		$44.65		$53.80		$73.30	
Scottsdale	230,000 [1]	1.14	$11.60		$16.58		$18.24		$19.90		$25.62		$34.20		$50.30	
Sedona																
Sedona Venture Water Company	700 [1]		$9.65		$14.15		$15.65		$17.15		$20.15		$24.65		$36.65	

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Rate Table 2: 2015 Residential Monthly-Equivalent Water Bills at Various Consumption Levels (Includes Base Charges)

Utility / Rate Structure	Service Population (Approx.)	Operating Ratio	Zero Gallons (0 cf)		3,000 Gallons (401 cf)		4,000 Gallons (535 cf)		5,000 Gallons (668 cf)		7,000 Gallons (936 cf)		10,000 Gallons (1,337 cf)		15,000 Gallons (2,005 cf)	
			Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside
Seven Canyons Water and Water Treatment Company	250 [1]		$20.00		$38.05		$44.06		$50.08		$62.11		$80.16		$110.24	
Seven Ranches Domestic Water Improvement District	95 [1]	1.29	$30.00		$36.75		$39.00		$41.25		$45.75		$52.50		$63.75	
Shepard Water Company, Inc.	429 [1]	1.74	$14.75		$18.50		$20.30		$22.10		$25.70		$31.10		$42.60	
Show Low	13,561 [1]	0.99	$28.65	$35.63	$28.65	$35.63	$28.65	$35.63	$28.65	$35.63	$34.13	$42.49	$42.35	$52.78	$56.05	$69.93
Sierra Vista																
Sierrita Mountain Water Co-op	234 [1]		$26.35		$28.35		$32.35		$36.35		$44.35		$56.35		$77.35	
Sky High Domestic Water Improvement District	168 [1]		$24.00		$34.50		$38.00		$41.50		$48.50		$59.00		$76.50	
Snowflake	5,590 [1]	1.05	$18.93		$20.61		$22.29		$23.97		$27.33		$32.37		$40.77	
Solitude Trails Domestic Water Improvement District		0.77	$35.00		$40.00		$48.00		$58.50		$92.50		$152.50		$252.50	
Somerton	14,500 [1]	0.72	$11.50		$11.50		$11.50		$11.50		$16.28		$23.45		$35.40	
Sonoita Valley Water Company	142 [1]	1.16	$30.00		$51.69		$62.54		$73.39		$95.09		$127.64		$192.74	
South Grand Canyon Sanitary District																
Southland Utilities Company, Inc.	1,797 [1]		$29.39		$35.49		$38.49		$41.49		$48.49		$60.49		$87.03	
Spanish Trail Water Company	1,050 [1]	0.47	$10.00		$13.00		$14.00		$15.00		$17.75		$23.00		$31.75	
Springerville	1,972 [1]	1.16	$18.30	$27.14	$21.39	$33.33	$24.48	$39.52	$27.57	$45.71	$33.75	$58.09	$43.02	$76.66	$62.92	$116.46
St. Johns	3,800 [1]	1.21	$25.00		$26.50		$29.15		$31.80		$37.10		$45.05		$58.30	
Star Valley	1,107 [1]	0.79	$18.50		$25.19		$27.42		$30.93		$37.95		$48.48		$66.03	
Starlight Water Company, Inc.	1,962 [1]	0.93	$33.70		$44.20		$47.70		$52.70		$62.70		$77.70		$117.70	
Sun Leisure Estates Utilities Co., Inc.	143 [1]	1.07	$16.25		$21.80		$24.57		$27.34		$32.88		$41.19		$58.44	
Sun Valley Farms Unit VI Water Company, Inc.	600 [1]	1.02	$7.50		$10.50		$11.50		$12.50		$14.50		$17.50		$22.50	
Sunizona Water Company	120 [1]		$13.75		$21.75		$25.75		$31.75		$43.75		$64.00		$105.25	
Sunland Water Company	188 [1]	0.93	$19.21		$25.21		$29.46		$33.71		$42.21		$56.46		$85.21	
Sunrise Vistas Utilities Company	1,500 [1]	1.02	$18.45		$25.05		$27.25		$29.45		$33.85		$40.45		$51.45	
Superior																
Superstition Mountains Community Facilities District No. 1																
Surprise	27,116 [1]	0.93	$20.99		$26.18		$27.91		$29.64		$33.10		$38.29		$55.34	
Sweetwater Creek Utilities, Inc.																
Tacna Water Management Company	240 [1]		$28.00		$31.00		$32.50		$34.00		$37.00		$42.25		$51.00	
Taylor	3,175 [1]	1.35	$16.00		$16.00		$16.00		$17.00		$19.00		$22.00		$27.00	
Tempe	165,000 [1]	1.54	$11.50	$14.95	$17.50	$22.75	$19.50	$25.35	$21.50	$27.95	$25.50	$33.15	$32.50	$42.25	$45.00	$58.50
The Links at Coyote Wash Utilities, LLC																
Thim Utility Company	300 [1]	1.38	$24.50		$30.10		$32.90		$35.70		$41.30		$49.70		$63.70	
Tierra Buena Water Company, Inc.	310 [1]	1.00	$9.00		$13.00		$15.00		$17.00		$21.00		$27.00		$37.00	
Tierra Linda Water Company, Inc.	165 [1]		$25.00		$31.75		$34.00		$36.95		$42.85		$51.70		$66.45	

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Rate Table 2: 2015 Residential Monthly-Equivalent Water Bills at Various Consumption Levels (Includes Base Charges)

Utility / Rate Structure	Service Population (Approx.)	Operating Ratio	Zero Gallons (0 cf)		3,000 Gallons (401 cf)		4,000 Gallons (535 cf)		5,000 Gallons (668 cf)		7,000 Gallons (936 cf)		10,000 Gallons (1,337 cf)		15,000 Gallons (2,005 cf)	
			Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside
Tierra Mesa Estates Water Company, Inc.	680 [1]	0.87	$13.25		$17.15		$18.45		$19.75		$22.35		$26.25		$32.75	
Tolleson	6,680 [1]	1.25	$19.85		$19.85		$23.57		$27.29		$34.73		$45.89		$65.54	
Tombstone	1,635 [1]	1.49	$29.19	$45.11	$32.67	$57.95	$36.15	$62.23	$39.63	$66.51	$46.59	$75.07	$57.03	$87.91	$74.43	$109.31
Tonto Basin Water Company	2,591 [1]	0.74	$16.00		$20.65		$22.20		$24.53		$29.19		$36.18		$47.83	
Tonto Creek Water Company, LLC	213 [1]	1.01	$24.00		$29.10		$32.50		$35.90		$42.70		$60.70		$90.70	
Tonto Hills Domestic Water Improvement District		1.19	$40.00		$60.40		$67.20		$77.40		$97.80		$128.40		$183.60	
Tonto Hills Utility Company	225 [1]		$40.00		$60.40		$67.20		$77.40		$97.80		$128.40		$183.60	
Tonto Village Water Company, Inc.	300 [1]		$18.00		$27.00		$31.25		$35.50		$44.00		$60.80		$88.80	
Truxton Canyon Water Company	2,126 [1]	0.80	$14.00		$17.60		$20.00		$22.40		$27.20		$34.40		$53.44	
Tucson	675,686 [1]	1.29	$11.00		$19.06		$21.75		$24.44		$29.81		$43.33		$67.81	
Twin Hawks Utility, Inc.		0.84	$30.00		$36.00		$39.00		$42.00		$48.00		$57.00		$72.00	
Utility Source, LLC		0.74	$18.50		$32.90		$37.70		$44.86		$59.18		$82.10		$125.10	
Utility Systems, LLC			$18.80		$31.80		$36.80		$41.80		$51.80		$70.80		$105.80	
Vail Water Company	10,705 [1]	1.25	$14.70		$29.76		$35.99		$42.22		$54.68		$73.37		$110.17	
Valencia Water Company-Greater Buckeye Division	1,773 [1]	1.19	$27.78		$34.56		$37.24		$39.92		$47.80		$59.62		$85.62	
Valencia Water Company-Town Division	15,309 [1]	1.05	$31.34		$36.40		$38.38		$40.36		$46.06		$54.61		$74.26	
Valle Escondido Domestic Water Improvement District	82 [1]	0.42	$35.00	$70.00	$42.50	$85.00	$45.00	$90.00	$47.50	$95.00	$52.50	$105.00	$60.00	$120.00	$73.75	$147.50
Valle Verde Water Company	2,322 [1]	1.22	$21.64		$26.35		$30.70		$35.05		$43.75		$61.21		$90.31	
Valley Pioneers Water Company, Inc.	6,000 [1]	1.05	$18.00		$25.80		$28.40		$31.00		$36.20		$48.50		$69.00	
Valley Utilities Water Company, Inc.	4,780 [1]	1.04	$18.40		$23.20		$26.08		$28.96		$34.72		$43.36		$62.36	
Valley View Water Company, Inc.	60 [1]		$30.50		$37.25		$39.50		$41.75		$46.25		$53.00		$65.50	
Verde Lakes Water Corporation	2,400 [1]	0.96	$8.75		$13.70		$15.35		$17.00		$21.15		$28.65		$41.15	
Verde Lee Water Company	450 [1]	1.15	$21.25		$28.90		$32.73		$36.56		$44.22		$55.71		$78.71	
Verde Santa Fe Wastewater Company, Inc.																
Vernon Valley Water Company, Inc.	51 [1]	0.80	$24.00		$33.00		$36.00		$40.55		$49.65		$63.30		$94.30	
Virgin Mountain Utilities Company	149 [1]	0.68	$30.00		$39.00		$42.00		$47.00		$57.00		$72.00		$107.00	
Voyager Water Company	2,538 [1]	1.18	$11.00		$17.00		$19.00		$21.00		$25.00		$31.00		$41.00	
Walnut Creek Water Company, Inc.	645 [1]	0.85	$18.00		$24.00		$27.75		$31.50		$39.00		$52.40		$81.90	
Watco, Inc.	843 [1]	0.90	$26.00		$40.19		$47.52		$54.85		$69.51		$104.54		$173.79	
Water Utility of Greater Tonopah, Inc.	483 [1]	0.42	$30.00		$38.54		$41.90		$45.26		$55.02		$69.66		$101.71	
Water Utility of Northern Scottsdale, Inc.	225 [1]	1.10	$27.00		$39.63		$44.22		$48.81		$59.99		$76.76		$110.76	
Weaver Mountain Domestic Wastewater Improvement District																
Wellton	2,068 [1]	0.63	$17.00	$19.00	$17.00	$19.00	$17.93	$20.38	$19.78	$23.13	$23.48	$28.63	$29.03	$36.88	$38.28	$50.63
West Village Water Company	220 [1]		$26.00		$42.50		$51.10		$59.70		$76.90		$106.75		$156.50	
Whetstone Domestic Water Improvement District	1,000 [1]		$25.00		$28.25		$31.50		$34.75		$41.25		$51.00		$67.25	

Service Population is approximated.
Source: 1= EPA SDWIS 2013; 2= 2013 Census Population

Water Infrastructure Finance Authority of Arizona
and Environmental Finance Center

Compare with caution. High rates may be justified and necessary to protect public health.

Rate Table 2: 2015 Residential Monthly-Equivalent Water Bills at Various Consumption Levels (Includes Base Charges)

Utility / Rate Structure	Service Population (Approx.)	Operating Ratio	Zero Gallons (0 cf)		3,000 Gallons (401 cf)		4,000 Gallons (535 cf)		5,000 Gallons (668 cf)		7,000 Gallons (936 cf)		10,000 Gallons (1,337 cf)		15,000 Gallons (2,005 cf)	
			Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside
White Hills Water Company	107 [1]	0.83	$28.25		$60.50		$73.00		$85.50		$110.50		$148.00		$220.50	
White Horse Ranch Owners Association, Inc.	360 [1]	1.27	$35.00		$49.00		$55.00		$63.00		$79.00		$107.00		$167.00	
White Mountain Water Company	500 [1]	1.08	$17.00		$28.28		$32.04		$35.80		$43.32		$54.60		$73.40	
Wickenburg	6,200 [1]	1.00	$11.24	$22.48	$11.24	$22.48	$12.33	$24.66	$13.42	$26.84	$15.60	$31.20	$18.87	$37.74	$26.32	$52.64
Willcox	3,880 [1]	1.28	$14.78		$16.44		$18.10		$19.76		$23.27		$28.82		$39.12	
Williams	2,900 [1]	0.64	$10.73		$21.49		$26.87		$32.25		$43.01		$59.15		$87.45	
Willow Springs Water Company			$28.00		$35.50		$38.00		$41.50		$48.50		$60.00		$82.50	
Willow Valley Water Company, Inc.	4,554 [1]	0.66	$26.56		$36.59		$40.61		$44.63		$56.77		$74.98		$115.38	
Winchester Water Company, LLC	480 [1]	1.27	$13.50		$16.50		$18.40		$20.30		$24.10		$29.80		$46.30	
Winkelman																
Winslow	9,655 [1]	1.06	$16.10	$29.36	$23.42	$44.00	$25.86	$48.88	$28.30	$53.76	$33.18	$63.52	$40.50	$78.16	$52.70	$102.56
Wonderland Acres Domestic Water Improvement District	380 [1]		$17.00		$24.50		$27.00		$29.50		$34.50		$42.00		$54.50	
Worden Water Company	50 [1]	0.88	$16.50		$18.00		$19.50		$21.00		$24.00		$28.50		$36.00	
Yarnell Water Improvement Association	1,600 [1]	1.15	$23.00		$33.80		$37.90		$42.00		$50.20		$67.45		$96.20	
Yuma	103,264 [1]	1.07	$16.15	$21.48	$21.85	$29.06	$23.74	$31.59	$25.64	$34.11	$29.44	$39.17	$35.91	$47.76	$46.94	$62.40

Service Population is approximated
Source: 1= EPA SDWIS 2013, 2= 2013 Census Population

Water Infrastructure Finance Authority of Arizona
and Environmental Finance Center

WASTEWATER APPENDIX

City of Safford
WasteWater Rates Table
Revised - New Rates Effective March 2010
Resolution # 10-004
Exhibit B

Based on Economist.com 2006 Rate Study Recommendation page 9
Adjusted due to Federal Funding of Treatment Plant Debt

	Current	Effective Mar-2010	Change	
Residential - Inside City				
Base (includes 7,200 gal)	$40.79	$36.00	-$4.79	-11.74%
Per 1000 > 7,200 gal base	$5.86	$5.57	-$0.29	-4.95%
Winter Irrigation Rate	$62.74	$58.00	-$4.74	-7.55%
Single Residential Monthly Maximum		$87.00		
Residential - Outside City				
Base (includes 7,200 gal)	$61.17	$58.00	-$3.17	-5.18%
Per 1000 > 7,200 gal base	$5.86	$5.57	-$0.29	-4.95%
Winter Irrigation Rate	$94.11	$87.00	-$7.11	-7.55%
Commercial				
Base (includes 7,200 gal)	$40.79	$36.00	-$4.79	-11.74%
Per 1000 > 7,200 gal base	$5.86	$5.57	-$0.29	-4.95%

Commercial Strength factors will remain capped @1.5
as per Resolution NO. 00-020

Liquid Waste Hauler	Current	Effective Mar-2010	Effective July-2011	Effective July-2012	Effective July-2013	Effective July-2014	Effective July-2015
Percent		10%	3%	3%	3%	3%	3%
Quantity Charge per 1,000 gal	$53.28	$58.61	$60.37	$62.18	$64.05	$65.97	$67.95

CITY OF WILLCOX, ARIZONA						
WASTEWATER SYSTEM						
RATES AND CHARGES EFFECTIVE JULY 1, 2016						
Customer Type	Meter Size	Rate Code	FY14 Meter Charge	FY15 Meter Charge	FY16 Meter Charge	FY17 Meter Charge
Residential	3/4" or less	501	$20.94	$21.28	$21.28	$21.57
Residential	1"	502	$28.47	$28.93	$28.93	$29.33
Residential Multi-Units	3/4" or less	510	$20.94	$21.28	$21.28	$21.57
Commercial	3/4" or less	520	$30.44	$30.93	$30.93	$31.36
Commercial	1"	521	$37.99	$38.60	$38.60	$39.14
Commercial	1 1/2"	522	$56.98	$57.89	$57.89	$58.70
Commercial	2"	523	$79.73	$81.01	$81.01	$82.14
Commercial	3"	524	$151.89	$154.32	$154.32	$156.48
Commercial	4"	525	$246.96	$250.91	$250.91	$254.42

CITY OF WILLCOX

Utilities SHEET 2016-2017

GAS CALCULATION:
THE USAGE FOR THAT MONTH x THE GAS RATE FOR THAT MONTH + THE BASE RATE:

30(UNITS) x .74877(GAS RATE FOR MONTH) = $22.47(TOTAL) + $12.37(BASE RATE) = $34.84

BASE RATE - $12.20 + CPI = $12.37(TOTAL)

WATER CALCULATION:
(TOTAL USAGE – 20) = USAGE FOR CALCULATION

THEN USE GRADUATED RATE FOR USAGE CALCULATION AMOUNT (ABOVE)

EXAMPLES-
#1
250 (TOTAL USAGE) – 20 (FREE) = 230 (USAGE CALC)

40 x $.166 = $6.64
40 x $.185 = $7.40
50 x $.206 = $10.30
100 x $.219 = $21.90
230 $46.24

REMEMBER: 1ST THREE USAGE LEVELS ARE TAPPED OUT. EASIER CALCULATING FOR LARGE USAGES☺

(NOTE: GRADUATED RATES SHOWN ABOVE ARE FOUND IN UTILITY BILLING –RATE MAINTENANCE)

$14.99 (BASE RATE FOR METER SIZE) + $46.24= $61.23

#2
80 (TOTAL USAGE) – 20 (FREE) = 60 (USAGE CALC)

40 x $.166 = $6.64
20 x $.185 = $3.70
60 $10.34

$14.99 (BASE RATE/CPI) + $10.34= $25.33

SEWER CALCULATION:
AVG OF THREE MONTHS WATER USAGE (DEC., JAN, FEB) x SEWER RATE FOR WATER METER SIZE:

52 (DEC.) + 71 (JAN.) + 61 (FEB.) = 184 (UNITS) / 3 (MONTHS) = 61.3 (USAGE AVERAGE)

61(USAGE) x $.290684 (CITY USAGE CHARGE) = $17.74(TOTAL) + $21.57 (BASE RATE/CPI) = 39.31