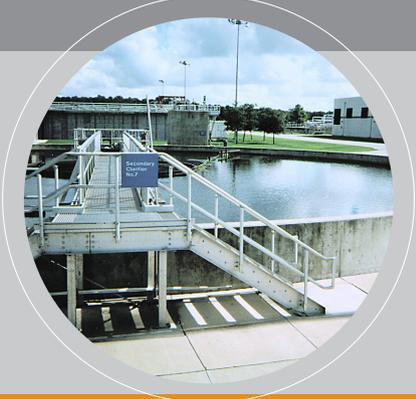


PREPARED FOR:  
CITY OF STILLWATER, OKLAHOMA

# Water and Wastewater Utilities Cost of Service and Rate Design Study



FINAL | January 2009



Mind Powered: Insight with Impact.

January 12, 2009



Mr. Anthony Daniel  
Director  
City of Stillwater  
723 S. Lewis  
Stillwater, OK 74076

**Subject: Water and Wastewater Cost of Service and Rate Design Study Final Report**

Dear Mr. Daniel:

R. W. Beck, Inc. is pleased to submit the enclosed final report to the City of Stillwater, Oklahoma detailing the analysis and conclusions resulting from the Water and Wastewater Cost of Service and Rate Design Study conducted for the water and wastewater utilities. The study equitably distributes costs between the water and wastewater utilities as well as between base and volume charges to ensure the rate structure is fair and equitable to all customer classes. The rates are designed to recover all costs associated with operations and maintenance, debt service, and cash capital outlays. Further, the rates are projected to generate the necessary revenue to ensure the financial integrity of the water and wastewater utilities.

We appreciate the opportunity to provide our professional services to the City of Stillwater and would like to express our sincere appreciation to you and your staff for supplying the needed information and data. Should you or City Council members require additional information or clarification regarding the Water and Wastewater Cost of Service and Rate Design Study, please do not hesitate to contact Mr. Dave Yanke or Mr. Grant Rabon at (512) 450-0991.

Sincerely,

**R. W. BECK, INC.**

A handwritten signature in black ink, appearing to read 'D. S. Yanke'.

David S. Yanke  
Vice President, Gulf Coast Region

# Water and Wastewater Utilities Cost of Service and Rate Design Study

## City of Stillwater, Oklahoma

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This report has been prepared for the use of the client for the specific purposes identified in the report. The conclusions, observations and recommendations contained herein attributed to R. W. Beck, Inc. (R. W. Beck) constitute the opinions of R. W. Beck. To the extent that statements, information and opinions provided by the client or others have been used in the preparation of this report, R. W. Beck has relied upon the same to be accurate, and for which no assurances are intended and no representations or warranties are made. R. W. Beck makes no certification and gives no assurances except as explicitly set forth in this report.

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## EXECUTIVE SUMMARY

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The City of Stillwater, Oklahoma retained R. W. Beck, Inc. to conduct a Water and Wastewater Cost of Service and Rate Design Study for the Water and Wastewater Divisions of the Stillwater Utility Authority. The purpose of the study was to determine the total cost of providing water and wastewater services, equitably distribute the cost to customers, and design rates to ensure the financial integrity of the water and wastewater utilities.

### Major Considerations

Two major factors that were addressed as part of this study were the expected loss of Oklahoma State University as a treated water customer and the need for additional capital spending for repair and replacement projects associated with the water distribution and wastewater collection systems. These issues affect the study in different manners. The projected loss of Oklahoma State University as a water customer results in fewer billing units, with the same amount of fixed costs needing to be recouped from the remaining customers. The necessary increase in capital spending adds directly to the revenue requirement. R. W. Beck analyzed several scenarios for capital spending to illustrate the incremental impact on the revenue requirement and rates. Scenarios evaluated include:

- Status Quo – Historical spending on water and wastewater main repair and replacement projects
- Scenario 1 – Repair and replacement program for the City wastewater collection mains and water distribution mains (excluding the Rural Water Corporation #3 service area)
- Scenario 2 – Scenario 1 **PLUS** replacement of the Kaw raw water transmission line
- Scenario 3 – Scenario 1 **PLUS** repair and replacement program for the Rural Water Corporation #3 service area water distribution mains
- Scenario 4 – All capital projects

The capital spending associated with each of the scenarios evaluated is discussed further in Section 2.1.3 of this report.

## Revenue Requirement Forecast

A revenue requirement is defined as the amount of revenue that is required to recover all costs associated with operations and maintenance, debt service, and cash capital outlays. Section 2 of this report provides a discussion on the development of the revenue requirement. Table ES-1 shows the revenue requirement for the water and wastewater utilities for the first five years of the forecast period.

Table ES-1  
Revenue Requirement Scenarios

In Thousands of Dollars	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014
<b><u>Status Quo</u></b>						
Water	\$ 7,037	\$ 7,314	\$ 7,606	\$ 7,887	\$ 7,687	\$ 7,539
Wastewater	3,098	3,214	3,336	3,466	3,465	3,477
	<b>\$ 10,135</b>	<b>\$ 10,529</b>	<b>\$ 10,942</b>	<b>\$ 11,353</b>	<b>\$ 11,152</b>	<b>\$ 11,016</b>
Annual Change <sup>1</sup>		3.9%	3.9%	3.8%	-1.8%	-1.2%
<b><u>Scenario 1</u></b>						
Water	\$ 7,037	\$ 7,662	\$ 8,765	\$ 9,906	\$ 10,618	\$ 11,433
Wastewater	3,098	3,815	4,584	5,400	6,124	6,904
	<b>\$ 10,135</b>	<b>\$ 11,477</b>	<b>\$ 13,350</b>	<b>\$ 15,306</b>	<b>\$ 16,742</b>	<b>\$ 18,337</b>
Annual Change		13.2%	16.3%	14.7%	9.4%	9.5%
<b><u>Scenario 2</u></b>						
Water <sup>2</sup>	\$ 7,037	\$ 7,662	\$ 8,765	\$ 9,906	\$ 12,218	\$ 13,202
Wastewater	3,098	3,815	4,584	5,400	6,542	7,365
	<b>\$ 10,135</b>	<b>\$ 11,477</b>	<b>\$ 13,350</b>	<b>\$ 15,306</b>	<b>\$ 18,760</b>	<b>\$ 20,567</b>
Annual Change		13.2%	16.3%	14.7%	22.6%	9.6%
<b><u>Scenario 3</u></b>						
Water	\$ 7,037	\$ 7,989	\$ 9,440	\$ 10,948	\$ 12,049	\$ 13,276
Wastewater	3,098	3,815	4,584	5,400	6,124	6,904
	<b>\$ 10,135</b>	<b>\$ 11,805</b>	<b>\$ 14,024</b>	<b>\$ 16,348</b>	<b>\$ 18,173</b>	<b>\$ 20,180</b>
Annual Change		16.5%	18.8%	16.6%	11.2%	11.0%

In Thousands of Dollars	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014
<b>Scenario 4</b>						
Water <sup>2</sup>	\$ 7,037	\$ 7,989	\$ 9,440	\$ 10,948	\$ 13,649	\$ 15,045
Wastewater	3,098	3,815	4,584	5,400	6,542	7,365
	<b>\$ 10,135</b>	<b>\$ 11,805</b>	<b>\$ 14,024</b>	<b>\$ 16,348</b>	<b>\$ 20,191</b>	<b>\$ 22,410</b>
Annual Change		16.5%	18.8%	16.6%	23.5%	11.0%

## Notes:

- 1) Reductions in the Status Quo revenue requirement in Year 4 and Year 5 are due to the 2005 Revenue Bond payments ending and a corresponding increase in the revenue offset from the one cent sales tax transfer used to offset O&M expenses.
- 2) The impact of the debt service associated with the Kaw raw water line is substantially negated by the one cent sales tax transfer in.

## Water and Wastewater Rates

The current rates for water and wastewater are projected to under recover the total revenue requirement starting in FY 2009, due in part to the loss of Oklahoma State University as a treated water customer. The Operating Reserve may be utilized to compensate for the revenue shortfall, but eventually rates will need to be adjusted.

Tables ES-2 and ES-3 provide the rates associated with Scenario 4. Rates for each of the scenarios evaluated are provided in Section 3 of this report. The rates are compared with current rates in six similar communities in Section 4 of this report. Various policy issues are discussed in Section 5 of this report, with corresponding recommendations by R. W. Beck, Inc., where appropriate.

**Table ES-2  
Monthly Minimum Bills <sup>1</sup>**

	FY 2009 <sup>2</sup>	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014
<b>WATER</b>						
Meter Size <sup>3</sup> (Inches)						
3/4	\$ 3.60	\$ 5.00	\$ 5.50	\$ 6.00	\$ 6.50	\$ 7.00
1	3.60	5.91	7.34	8.77	10.22	11.66
1 ½	3.60	8.18	11.92	15.69	19.51	23.33
2	3.60	10.91	17.42	24.00	30.66	37.32
3	3.60	19.54	34.85	50.30	65.96	81.64
4	3.60	30.91	57.77	84.92	112.41	139.95
6	3.60	60.45	117.38	174.91	233.18	291.56
<b>WASTEWATER</b>						
All Customers	\$ 6.51	\$ 6.51	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00

## Notes:

- 1) Starting in FY 2010, the minimum bills for customers outside the City Limits are 1.5 times the rates for customers inside the City Limits (Rural Water Corp #3 is charged inside City Limits rates)
- 2) FY 2009 rates are the same as current rates
- 3) Temporary hydrant meters to be charged the same rate as a 3-inch water meter (see Section 5.3)

**Table ES-3  
Scenario 4 Volumetric Rates <sup>1</sup>**

	FY 2009 <sup>2</sup>	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014
<b>WATER</b>						
Inside City	\$ 2.40	\$ 3.50	\$ 4.25	\$ 5.00	\$ 6.00	\$ 6.50
Outside City <sup>3</sup>	3.60	5.25	6.38	7.50	9.00	9.75
<b>WASTEWATER</b>						
Inside City <sup>4</sup>	\$ 1.89	\$ 1.89	\$ 2.25	\$ 2.50	\$ 2.75	\$ 3.25
Outside City <sup>3</sup>	2.84	2.84	3.38	3.75	4.13	4.88

## Notes:

- 1) Rates per 1,000 gallons
- 2) FY 2009 rates are the same as current rates, except there is no volumetric rate decrease for consumption above 1 million gallons and OSU is to be billed for wastewater at the inside City Limits volumetric rate
- 3) Volumetric rates for customers outside the City Limits are 1.5 times the rates for customers inside the City Limits (Rural Water Corp #3 is charged inside City Limits rates)
- 4) OSU rate to be set equal to inside City Limits volumetric rates

# Section 1

## INTRODUCTION

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In June 2008, the City of Stillwater, Oklahoma (City) retained R. W. Beck, Inc. (R. W. Beck) to conduct a Water and Wastewater Cost of Service and Rate Design Study (Study) for the Water and Wastewater Divisions of the Stillwater Utility Authority (SUA). The purpose of the Study was to determine the total cost of providing water and wastewater services, equitably distribute the cost to customers, and design rates to ensure the financial integrity of the water and wastewater utilities (Utilities). The total cost of providing water and wastewater services includes costs associated with operations and maintenance, debt service, and cash capital outlays. This includes capital improvements, inter-fund (e.g., General Fund) transfers, and reserve and coverage ratio requirements. This report provides a discussion of the methodology utilized to conduct the Study, the cost of providing services as determined by the Study, and rates for retail water and wastewater services.

### 1.1 Current Operations

The City's population is estimated to be approximately 47,000 in 2008 and increasing at approximately two percent annually. In addition to the Oklahoma State University (OSU) campus, the Utilities currently provide service to approximately 16,000 water connections and 13,400 wastewater connections both within and outside of the City Limits.<sup>1</sup> The Utilities also provide raw water and treated water to several contract (i.e., wholesale) customers.

The Kaw Reservoir is the current source of raw water for the Utilities.<sup>2</sup> The City owns and operates a surface water treatment plant with a capacity of approximately 18 million gallons per day (MGD). For the fiscal year ended June 30, 2008 (FY 2008), treated water deliveries totaled approximately 2.12 billion gallons and raw water deliveries totaled approximately 15 million gallons. The City also owns and operates a wastewater treatment plant with a capacity of approximately 10 MGD.

### 1.2 Current Retail Rates

The City has the following rates in place for retail water and wastewater customers. These rates were effective as of January 1, 2008. It is important to note that, per the terms of the City's agreement with Rural Water Corporation #3, customers within the

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<sup>1</sup> As of May 2008

<sup>2</sup> The City has approximately 50 MGD of water rights from the Kaw Reservoir and 3 MGD from Lake McMurtry

---

Rural Water Corporation #3 service area are charged the same rates as customers inside the City Limits.

In addition to the rates listed in this section, there are other miscellaneous fees related to the Utilities, such as water closet fees, sewer tie-on fees, per acre waterline fees, and water tap fees. Water tap fees are discussed further in Section 5.5 of this report.

## 1.2.1 Water

The City's current water rate structure includes a flat monthly minimum bill component (i.e., the same for all water meter sizes) and a volumetric rate charged per 1,000 gallons. The minimum bill may also be referred to as a "per meter service charge". The volumetric rates are characterized as a declining block rate structure – meaning the more water consumed beyond the 1,000,000 gallon breakpoint, the lower the average cost per 1,000 gallons. The current water rates are summarized in Table 1-1.

Table 1-1  
Current Retail Water Rates

	Current Rates
MONTHLY MINIMUM BILL <sup>1</sup>	\$ 3.60
VOLUMETRIC <sup>2,3</sup>	
Monthly Consumption (Gallons)	
0 to 1,000,000	\$ 2.40
> 1,000,000 <sup>4</sup>	2.16

Notes:

- 1) The minimum bill for customers outside the City Limits is the same as for customers inside the City Limits
- 2) Volumetric rates for customers outside the City Limits are 1.5 times the rates for customers inside the City Limits (Rural Water Corp #3 is charged inside City Limits rates)
- 3) Rate per 1,000 gallons
- 4) Discounted rate only applies to customers that subscribe to SUA water, wastewater, and electric services and only to that portion of consumption greater than one million gallons per month

### OSU

Water consumption for OSU is determined by OSU staff reading several meters throughout the water system. The consumption is currently charged at the inside City Limits volumetric rate per 1,000 gallons. OSU is not charged a minimum bill. OSU was billed for approximately 371 million gallons of treated water in FY 2008. The City has been notified of OSU's intention to reactivate its surface water treatment plant in 2009 in order to meet all of its treated water needs.

## 1.2.2 Wastewater

The City's wastewater rate structure includes a flat monthly minimum bill component and a volumetric component. The volumetric charge is based on a winter average for all customers except industrial customers, who are billed based on actual water use. The current wastewater rates are summarized in Table 1-2.

Table 1-2  
Current Retail Wastewater Rates

	Current Rates
MONTHLY MINIMUM BILL <sup>1</sup>	\$ 6.51
VOLUMETRIC <sup>2,3</sup>	\$ 1.89

Notes:

- 1) The minimum bill for customers outside the City Limits is the same as for customers inside the City Limits
- 2) The volumetric rate for customers outside the City Limits is 1.5 times the rate for customers inside the City Limits (Rural Water Corp #3 is charged inside City Limits rates)
- 3) Rate per 1,000 gallons

### Winter Average

The winter average is based on the average water consumption billed in December, January, February, and March.<sup>3</sup> The winter average is calculated each April and the customer is then billed for wastewater flow based on this average for the next 12 months (i.e., until the next winter average is established in April). The winter average is not capped. Customers may elect to have their wastewater bills based on actual monthly water consumption in lieu of utilizing the winter average.

### OSU

The wastewater charges for OSU are based on an assumed flow of 39 million gallons per month.<sup>4</sup> This amount is not affected by actual water consumption. Further, OSU is currently charged \$1.75 per 1,000 gallons, rather than the \$1.89 per 1,000 gallons stated in the ordinance. OSU is not charged a minimum bill.

<sup>3</sup> Add the water consumption for the four months and divide this total by four

<sup>4</sup> 30 day monthly fixed average flow of 1.3 MGD

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Reference Copy

## Section 2

# REVENUE REQUIREMENT

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Section 2 of this report describes the methodology utilized to develop the revenue requirement for the Utilities. A revenue requirement is defined as the amount of revenue that is required to recover all costs associated with operations and maintenance, debt service, and cash capital outlays. The revenue requirement developed for the Study is related to retail customer rates and, therefore, is net of revenue from contract (i.e., wholesale) customers as well as miscellaneous fees and penalties. These revenue sources are referred to as revenue offsets.<sup>5</sup>

## 2.1 Revenue Requirement Methodology

A historical period of three fiscal years was reviewed during the Study for the purpose of estimating the future operating and capital costs for the Utilities. R. W. Beck compared the FY 2009 Budget with the Actuals for FY 2006, FY 2007 and FY 2008. Based on this comparison, the FY 2009 Budget appears to provide a reasonable estimate of the expenses associated with the operation of the Utilities.

R. W. Beck made various adjustments to the FY 2009 Budget in order to establish a “Test Year” for the ten-year financial forecast. A Test Year is a common term in rate studies that refers to an adjusted fiscal year budget that is used as a basis for setting rates. The Test Year should be representative of “typical” conditions, with adjustments for any unusual or one-time expenses. Further, any projected non-recurring expenses or revenues are identified and incorporated into the financial forecast.

### 2.1.1 Test Year Adjustments

The FY 2009 Budget, adjustments, and resulting Test Year are shown in the Appendix, Schedule 1. The key adjustments to the FY 2009 Budget in developing the Test Year are:

- Capital – The sum of capital line items in the FY 2009 Budget was greater than in the prior three years and, per City staff, was determined to be atypical. Therefore, all capital line items were revised to reflect the three-year average of the actual expenditures for FY 2006, FY 2007 and FY 2008 in order to represent a more typical year. Additionally, the Study includes an analysis of the additional costs necessary for the undertaking of a comprehensive program for repair and replacement (R&R) of the City’s water and wastewater mains.

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<sup>5</sup> Appendix, Schedule 1 provides a detailed listing of all revenue offsets

- Electricity – The Utilities utilize electricity provided by SUA for some facilities, such as the water treatment plant, various water towers, various water pump stations, the wastewater treatment plant, and various wastewater lift stations. The Utilities are not charged by SUA for this electricity. However, the cost of this power was added to the Test Year in order to reflect the true cost of providing water and wastewater services. This adjustment represents a Test Year increase of \$555,518 from the FY 2009 Budget.

## 2.1.2 Inflation Factors

The Test Year revenue requirement was used as the basis for the ten-year financial forecast. Certain expenses were projected based on contractual terms, such as debt service payments. However, the majority of expenses were operating and maintenance (O&M) costs, which were inflated based on the following assumptions:

- Salaries increase at 4.0 percent per year
- Health Insurance increases at 5.0 percent per year
- Other Benefits increase at 4.0 percent per year
- Materials and Services increase at 2.5 percent per year
- Capital, Fuel, Electricity, and Interfund Transfers increase at 3.0 percent per year
- Chemicals increase at 8.0 percent per year
- General Fund Transfers increase at 6.84 percent per year
- All other O&M expenses increase at 3.0 percent per year

To be conservative, most revenue offsets were assumed to be level (not inflated) over the ten-year forecast. The notable exceptions to this are revenues from contract water customers and transfers in from sales tax revenue.

## 2.1.3 Capital Repair and Replacement Project Scenarios

R. W. Beck worked closely with City staff to develop several scenarios involving R&R projects regarding the raw water transmission line from the Kaw Reservoir, treated water distribution mains, and wastewater collection mains. These are critical assets for the effective operation of the Utilities. R. W. Beck would stress the importance of ensuring these assets remain in good working condition. The scenarios illustrate the financial impact of providing the necessary capital to replace various components of the water and wastewater systems.

### 2.1.3.1 Status Quo – Historical Water and Wastewater Repair and Replacement

The status quo scenario represents the historical capital spending related to water and wastewater main R&R projects, as identified by the average spending on these projects in the FY 2006, FY 2007, and FY 2008 Actuals. The Test Year amounts for

R&R projects equal \$420,677 and \$9,641 for water and wastewater, respectively. These costs were inflated annually at 3.0 percent.

**R. W. Beck would emphasize that this level of capital spending on main R&R projects is insufficient to maintain the Utilities in good working condition. Therefore, this scenario is provided for reference, but is not considered by R. W. Beck to be a viable option for the City.**

#### 2.1.3.2 Scenario 1 – City Water and Wastewater Main Repair and Replacement

Scenario 1 includes the systematic replacement of 299 miles of water distribution mains and 234 miles of wastewater collection mains. The useful life of the mains was assumed to be 50 years.

#### 2.1.3.3 Scenario 2 – City + Kaw Raw Water Line Replacement (Kaw)

Scenario 2 is composed of Scenario 1 **PLUS** the replacement of the approximately 40 mile raw water transmission line from the Kaw Reservoir. The raw water line replacement project is assumed to be debt financed with debt service payments starting in FY 2013.

#### 2.1.3.4 Scenario 3 – City + Rural Water Corporation #3

Scenario 3 is composed of Scenario 1 **PLUS** the systematic replacement of 151 miles of water distribution mains within the Rural Water Corporation #3 service area. The useful life of the mains was assumed to be 50 years.

#### 2.1.3.5 Scenario 4 – City + Kaw + Rural Water Corporation #3

Scenario 4 includes the systematic replacement of the City's 299 miles of water distribution mains and 234 miles of wastewater collection mains, as well as the 151 miles of water distribution mains within the Rural Water Corporation #3 service area. This scenario also includes the replacement of the approximately 40 mile raw water transmission line from the Kaw Reservoir.

Due to the significant impact of the water distribution and wastewater collection main R&R projects, R. W. Beck has phased-in the annual cash capital outlays for these scenarios over five years – from FY 2009 to FY 2014. Table 2-1 lists the projected expenditures, by scenario, over the first five years of the ten-year forecast.

**Table 2-1  
Capital Scenarios**

In Thousands of Dollars	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014
<b><u>Status Quo</u></b>						
Water Cash	\$ 421	\$ 433	\$ 446	\$ 460	\$ 473	\$ 488
Wastewater Cash	10	10	10	11	11	11
	<b>\$ 430</b>	<b>\$ 443</b>	<b>\$ 457</b>	<b>\$ 470</b>	<b>\$ 484</b>	<b>\$ 499</b>
<b><u>Scenario 1</u></b>						
Water Cash	\$ 421	\$ 781	\$ 1,608	\$ 2,484	\$ 3,412	\$ 4,392
Wastewater Cash	10	611	1,258	1,944	2,670	3,438
	<b>\$ 430</b>	<b>\$ 1,391</b>	<b>\$ 2,866</b>	<b>\$ 4,428</b>	<b>\$ 6,082</b>	<b>\$ 7,830</b>
<b><u>Scenario 2</u></b>						
Water Cash	\$ 421	\$ 781	\$ 1,608	\$ 2,484	\$ 3,412	\$ 4,392
Water Debt Service <sup>1</sup>	-	-	-	-	5,770	5,770
	<b>\$ 421</b>	<b>\$ 781</b>	<b>\$ 1,608</b>	<b>\$ 2,484</b>	<b>\$ 9,181</b>	<b>\$ 10,162</b>
Wastewater Cash	\$ 10	\$ 611	\$ 1,258	\$ 1,944	\$ 2,670	\$ 3,438
	<b>\$ 430</b>	<b>\$ 1,391</b>	<b>\$ 2,866</b>	<b>\$ 4,428</b>	<b>\$ 11,851</b>	<b>\$ 13,600</b>
<b><u>Scenario 3</u></b>						
Water Cash	\$ 421	\$ 1,109	\$ 2,285	\$ 3,530	\$ 4,847	\$ 6,241
Wastewater Cash	10	611	1,258	1,944	2,670	3,438
	<b>\$ 430</b>	<b>\$ 1,720</b>	<b>\$ 3,543</b>	<b>\$ 5,474</b>	<b>\$ 7,517</b>	<b>\$ 9,678</b>
<b><u>Scenario 4</u></b>						
Water Cash	\$ 421	\$ 1,109	\$ 2,285	\$ 3,530	\$ 4,847	\$ 6,241
Water Debt Service <sup>1</sup>	-	-	-	-	5,770	5,770
	<b>\$ 421</b>	<b>\$ 1,109</b>	<b>\$ 2,285</b>	<b>\$ 3,530</b>	<b>\$ 10,617</b>	<b>\$ 12,011</b>
Wastewater Cash	\$ 10	\$ 611	\$ 1,258	\$ 1,944	\$ 2,670	\$ 3,438
	<b>\$ 430</b>	<b>\$ 1,720</b>	<b>\$ 3,543</b>	<b>\$ 5,474</b>	<b>\$ 13,287</b>	<b>\$ 15,448</b>

Notes:

- 1) Kaw raw water transmission line only

## 2.2 Revenue Requirement Forecast

Based on the Test Year and assumptions detailed above, the revenue requirement forecast was developed for the Utilities. Table 2-2 shows the revenue requirement for the Utilities for the first five years of the forecast. Detailed ten-year forecasts for each scenario are provided in the Appendix, Schedules 2 and 3.

### One Cent Sales Tax

It is important to note the impact the one cent sales tax has on the revenue requirement. The one cent sales tax transfer to SUA is projected to generate approximately \$6.7 million in FY 2009 and increase at 4.0 percent per year. This revenue is first applied towards any SUA debt service payments. Any amount remaining after paying debt service may be used for any SUA purpose, including offsetting O&M expenses, cash capital outlays, or capital reserve fund contributions. In the Study, the additional funds available after SUA debt service (if any) are divided up between the various SUA utilities to offset O&M expenses.

Scenarios 2 and 4 assume SUA issues debt to pay for the Kaw Reservoir raw water transmission line replacement. The one cent sales tax transfer is projected to be sufficient to pay for almost all of the debt service associated with this project over the ten-year forecast. However, the water and wastewater revenue requirements increase in these scenarios to reflect the reduction in O&M expense offset previously provided by the one cent sales tax.

**Table 2-2**  
**Revenue Requirement Scenarios**

In Thousands of Dollars	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014
<b><u>Status Quo</u></b>						
Water	\$ 7,037	\$ 7,314	\$ 7,606	\$ 7,887	\$ 7,687	\$ 7,539
Wastewater	3,098	3,214	3,336	3,466	3,465	3,477
	<b>\$ 10,135</b>	<b>\$ 10,529</b>	<b>\$ 10,942</b>	<b>\$ 11,353</b>	<b>\$ 11,152</b>	<b>\$ 11,016</b>
Annual Change <sup>1</sup>		3.9%	3.9%	3.8%	-1.8%	-1.2%
<b><u>Scenario 1</u></b>						
Water	\$ 7,037	\$ 7,662	\$ 8,765	\$ 9,906	\$ 10,618	\$ 11,433
Wastewater	3,098	3,815	4,584	5,400	6,124	6,904
	<b>\$ 10,135</b>	<b>\$ 11,477</b>	<b>\$ 13,350</b>	<b>\$ 15,306</b>	<b>\$ 16,742</b>	<b>\$ 18,337</b>
Annual Change		13.2%	16.3%	14.7%	9.4%	9.5%
<b><u>Scenario 2</u></b>						
Water <sup>2</sup>	\$ 7,037	\$ 7,662	\$ 8,765	\$ 9,906	\$ 12,218	\$ 13,202
Wastewater	3,098	3,815	4,584	5,400	6,542	7,365
	<b>\$ 10,135</b>	<b>\$ 11,477</b>	<b>\$ 13,350</b>	<b>\$ 15,306</b>	<b>\$ 18,760</b>	<b>\$ 20,567</b>
Annual Change		13.2%	16.3%	14.7%	22.6%	9.6%
<b><u>Scenario 3</u></b>						
Water	\$ 7,037	\$ 7,989	\$ 9,440	\$ 10,948	\$ 12,049	\$ 13,276
Wastewater	3,098	3,815	4,584	5,400	6,124	6,904
	<b>\$ 10,135</b>	<b>\$ 11,805</b>	<b>\$ 14,024</b>	<b>\$ 16,348</b>	<b>\$ 18,173</b>	<b>\$ 20,180</b>
Annual Change		16.5%	18.8%	16.6%	11.2%	11.0%
<b><u>Scenario 4</u></b>						
Water <sup>2</sup>	\$ 7,037	\$ 7,989	\$ 9,440	\$ 10,948	\$ 13,649	\$ 15,045
Wastewater	3,098	3,815	4,584	5,400	6,542	7,365
	<b>\$ 10,135</b>	<b>\$ 11,805</b>	<b>\$ 14,024</b>	<b>\$ 16,348</b>	<b>\$ 20,191</b>	<b>\$ 22,410</b>
Annual Change		16.5%	18.8%	16.6%	23.5%	11.0%

## Notes:

- 1) Reductions in the Status Quo revenue requirement in Year 4 and Year 5 are due to the 2005 Revenue Bond payments ending and a corresponding increase in the revenue offset from the one cent sales tax transfer used to offset O&M expenses.
- 2) The impact of the debt service associated with the Kaw raw water line is substantially negated by the one cent sales tax.

Section 3 of this report provides the estimated financial impact of current rates remaining unchanged and discusses the rates developed as a part of the Study.

### 3.1 Recovery from Current Rates

R. W. Beck estimates the current retail rates for the Utilities, as described in Section 1.2 of this report, will under recover the revenue requirement in FY 2009 by \$249,000. The shortfall projected over the first four years of the forecast under the Status Quo scenario is illustrated in Table 3-1.

Table 3-1  
Revenue Recovery from Current Retail Rates Under Status Quo Scenario

In Thousands of Dollars	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013
<b>WATER</b>					
Projected Revenue	\$ 5,701	\$ 5,074	\$ 5,173	\$ 5,272	\$ 5,374
Less: Revenue Requirement <sup>1</sup>	(7,037)	(7,314)	(7,606)	(7,887)	(7,687)
Over/(Under) Recovery	\$ (1,336)	\$ (2,240)	\$ (2,433)	\$ (2,614)	\$ (2,313)
<b>WASTEWATER</b>					
Projected Revenue	\$ 4,185	\$ 4,257	\$ 4,330	\$ 4,405	\$ 4,480
Less: Revenue Requirement <sup>1</sup>	(3,098)	(3,214)	(3,336)	(3,466)	(3,465)
Over/(Under) Recovery	\$ 1,087	\$ 1,042	\$ 994	\$ 938	\$ 1,016
Combined Over/(Under) Recovery	\$ (249)	\$ (1,197)	\$ (1,440)	\$ (1,676)	\$ (1,298)

Notes:

1) Revenue requirement as defined in Section 2

If the City elects to maintain the existing rates for FY 2009, it is projected the Utilities will need to withdraw funds from the Operating Reserve in order to compensate for the revenue shortfall. The Utilities currently have sufficient funds in the Operating Reserve to accommodate some revenue under recovery. However, eventually rates will need to be adjusted.

## 3.2 Retail Rates

R. W. Beck calculated the following retail rates for the various scenarios described in Section 2.1.3 of this report. The rates shown are assumed to be effective as of July 1 in each fiscal year. Based on the financial forecast, these rates should be sufficient to maintain the financial integrity of the Utilities. Detailed analyses of the revenue recovery from water and wastewater rates by scenario are provided in the Appendix, Schedules 4 and 5, respectively.

### Automatic Annual CPI Adjustment

R. W. Beck understands the City has implemented an automatic annual rate adjustment effective each January 1 based on the lesser of the Consumer Price Index or 3.0 percent. This is a laudable mechanism to assist the Utilities in maintaining financial stability in the face of rising costs to provide services. However, the automatic rate adjustment is not well suited for the kinds of changes to the rate structure being proposed by R. W. Beck. Therefore, the rates in this section of the report are intended to be in lieu of, not in addition to, the automatic rate adjustment.

### 3.2.2 Minimum Bills

The minimum bill increases for water and wastewater are the same for all scenarios evaluated. The monthly minimum bills reflect a balance of two critical objectives – minimum bills substantial enough to provide revenue stability to the Utilities while low enough to be affordable for low income customers.

#### AWWA Equivalent Meter Factors

The minimum bills for water include a transition to monthly minimum bills that reflect the demand capacities of the various water meter sizes. Between FY 2009 and FY 2014, the incremental rate differences between the various meter sizes have been increased to transition to meter factors based on American Water Works Association (AWWA) meter capacity standards. This is discussed further in Section 5.1 of this report.

#### Outside City Limits Customers

The minimum bills for customers outside the City Limits also reflect a change in policy. These customers are currently charged minimum bills at the same rate as customers inside the City Limits. Starting in FY 2010, outside City Limits customers will be charged 1.5 times the rates for inside City Limits customers under the rates listed in this section. Rural Water Corporation #3 customers continue to be charged at the inside City Limits rates.

Table 3-2 provides the minimum bills for the first five years of the forecast. A comprehensive listing of the water and wastewater rates (including monthly minimum bills and volumetric rates) are provided in the Appendix, Schedules 4 and 5, respectively.

**Table 3-2  
Monthly Minimum Bills <sup>1</sup>**

	FY 2009 <sup>2</sup>	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014
<b>WATER</b>						
Meter Size <sup>3</sup> (Inches)						
3/4	\$ 3.60	\$ 5.00	\$ 5.50	\$ 6.00	\$ 6.50	\$ 7.00
1	3.60	5.91	7.34	8.77	10.22	11.66
1 ½	3.60	8.18	11.92	15.69	19.51	23.33
2	3.60	10.91	17.42	24.00	30.66	37.32
3	3.60	19.54	34.85	50.30	65.96	81.64
4	3.60	30.91	57.77	84.92	112.41	139.95
6	3.60	60.45	117.38	174.91	233.18	291.56
<b>WASTEWATER</b>						
All Customers	\$ 6.51	\$ 6.51	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00

## Notes:

- 1) Starting in FY 2010, the minimum bills for customers outside the City Limits are 1.5 times the rates for customers inside the City Limits (Rural Water Corp #3 is charged inside City Limits rates)
- 2) FY 2009 rates are the same as current rates
- 3) Temporary hydrant meters to be charged the same rate as a 3-inch water meter (see Section 5.3)

### 3.2.3 Volumetric Rates

Tables 3-3 through 3-7 provide the volumetric rates associated with each scenario evaluated for the first five years of the forecast. It should be noted that the volumetric water rate per 1,000 gallons is the same regardless of how much water is consumed, which is a change from the current declining block rate structure.

#### 3.2.3.1 Status Quo – Historical Water and Wastewater Repair and Replacement

Table 3-3 reveals that, with the minimum bills listed in Table 3-2 and historical capital spending on main R&R, the existing volumetric rates are sufficient to recover the revenue requirement. The only necessary adjustments to the existing volumetric rates are to remove the declining block rate structure for consumption greater than one million gallons per month and to begin charging OSU the inside City Limits volumetric rate for wastewater flow.

However, as was discussed in Section 2.1.3 of this report, this level of capital spending on main R&R projects is insufficient to maintain the Utilities in good working condition. Therefore, these rates are provided as a reference, but are not considered by R. W. Beck to be a viable option.

**Table 3-3  
Status Quo Volumetric Rates <sup>1</sup>**

	FY 2009 <sup>2</sup>	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014
<b>WATER</b>						
Inside City	\$ 2.40	\$ 2.40	\$ 2.40	\$ 2.40	\$ 2.40	\$ 2.40
Outside City <sup>3</sup>	3.60	3.60	3.60	3.60	3.60	3.60
<b>WASTEWATER</b>						
Inside City <sup>4</sup>	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89
Outside City <sup>3</sup>	2.84	2.84	2.84	2.84	2.84	2.84

## Notes:

- 1) Rates per 1,000 gallons
- 2) FY 2009 rates are the same as current rates, except there is no volumetric rate decrease for consumption above 1 million gallons and OSU is to be billed for wastewater at the inside City Limits volumetric rate
- 3) Volumetric rates for customers outside the City Limits are 1.5 times the rates for customers inside the City Limits (Rural Water Corp #3 is charged inside City Limits rates)
- 4) OSU rate to be set equal to inside City Limits volumetric rates

### 3.2.3.2 Scenario 1 – City Water and Wastewater Main Repair and Replacement

The rates in Scenario 1, as listed in Table 3-4, provide financial support for City water and wastewater main R&R projects. However, this excludes water main R&R projects in the Rural Water Corporation #3 service area. Further, this scenario does not provide funding to replace the Kaw raw water transmission line.

**Table 3-4  
Scenario 1 Volumetric Rates <sup>1</sup>**

	FY 2009 <sup>2</sup>	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014
<b>WATER</b>						
Inside City	\$ 2.40	\$ 3.50	\$ 4.00	\$ 4.50	\$ 4.50	\$ 4.50
Outside City <sup>3</sup>	3.60	5.25	6.00	6.75	6.75	6.75
<b>WASTEWATER</b>						
Inside City <sup>4</sup>	\$ 1.89	\$ 1.89	\$ 2.25	\$ 2.25	\$ 2.75	\$ 2.75
Outside City <sup>3</sup>	2.84	2.84	3.38	3.38	4.13	4.13

## Notes:

- 1) Rates per 1,000 gallons
- 2) FY 2009 rates are the same as current rates, except there is no volumetric rate decrease for consumption above 1 million gallons and OSU is to be billed for wastewater at the inside City Limits volumetric rate
- 3) Volumetric rates for customers outside the City Limits are 1.5 times the rates for customers inside the City Limits (Rural Water Corp #3 is charged inside City Limits rates)
- 4) OSU rate to be set equal to inside City Limits volumetric rates

### 3.2.3.3 Scenario 2 – City + Kaw

The rates in Scenario 2, as shown in Table 3-5, provide funds for City water and wastewater main R&R projects and the replacement of the Kaw raw water transmission line. This scenario excludes water main R&R projects in the Rural Water Corporation #3 service area.

Table 3-5  
Scenario 2 Volumetric Rates <sup>1</sup>

	FY 2009 <sup>2</sup>	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014
<b>WATER</b>						
Inside City	\$ 2.40	\$ 3.50	\$ 4.00	\$ 4.50	\$ 5.50	\$ 6.00
Outside City <sup>3</sup>	3.60	5.25	6.00	6.75	8.25	9.00
<b>WASTEWATER</b>						
Inside City <sup>4</sup>	\$ 1.89	\$ 1.89	\$ 2.25	\$ 2.50	\$ 2.75	\$ 3.25
Outside City <sup>3</sup>	2.84	2.84	3.38	3.75	4.13	4.88

Notes:

- 1) Rates per 1,000 gallons
- 2) FY 2009 rates are the same as current rates, except there is no volumetric rate decrease for consumption above 1 million gallons and OSU is to be billed for wastewater at the inside City Limits volumetric rate
- 3) Volumetric rates for customers outside the City Limits are 1.5 times the rates for customers inside the City Limits (Rural Water Corp #3 is charged inside City Limits rates)
- 4) OSU rate to be set equal to inside City Limits volumetric rates

The impact of the Kaw raw water line replacement on water rates in Scenario 2 is partially mitigated by funding provided by the one cent sales tax, which increasingly benefits the water utility as its debt service increases. Thus, the water rates in Scenario 2 reflect an increase over Scenario 1 starting in FY 2013 due to the debt service, but the increase is less substantial than may have been expected given the magnitude of the raw water line replacement project.

Despite the lack of change in expenses for the wastewater utility between Scenario 1 and Scenario 2, the revenue requirement for wastewater in Scenario 2 is impacted by a reduction in O&M expense support from the one cent sales tax revenue offset, since the tax revenue is used in this scenario to pay the debt service associated with the Kaw raw water transmission line. Therefore, the wastewater rates increase in Scenario 2 (over Scenario 1).

### 3.2.3.4 Scenario 3 – City + Rural Water Corporation #3

The rates in Scenario 3, as listed in Table 3-6, provide funds for water main R&R projects throughout the system, including the Rural Water Corporation #3 service area, as well as wastewater main R&R projects. However, this scenario does not provide funding to replace the Kaw raw water transmission line.

**Table 3-6  
Scenario 3 Volumetric Rates <sup>1</sup>**

	FY 2009 <sup>2</sup>	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014
<b>WATER</b>						
Inside City	\$ 2.40	\$ 3.50	\$ 4.00	\$ 4.50	\$ 5.00	\$ 5.50
Outside City <sup>3</sup>	3.60	5.25	6.00	6.75	7.50	8.25
<b>WASTEWATER</b>						
Inside City <sup>4</sup>	\$ 1.89	\$ 1.89	\$ 2.25	\$ 2.50	\$ 2.75	\$ 3.00
Outside City <sup>3</sup>	2.84	2.84	3.38	3.75	4.13	4.50

## Notes:

- 1) Rates per 1,000 gallons
- 2) FY 2009 rates are the same as current rates, except there is no volumetric rate decrease for consumption above 1 million gallons and OSU is to be billed for wastewater at the inside City Limits volumetric rate
- 3) Volumetric rates for customers outside the City Limits are 1.5 times the rates for customers inside the City Limits (Rural Water Corp #3 is charged inside City Limits rates)
- 4) OSU rate to be set equal to inside City Limits volumetric rates

### 3.2.3.5 Scenario 4 – City + Kaw + Rural Water Corporation #3

The rates in Scenario 4, as listed in Table 3-7, provide funding to support all water and wastewater R&R projects throughout the system, plus the replacement of the Kaw raw water transmission line. The impact of the Kaw raw water line replacement on water rates in Scenario 4 is partially mitigated by funding provided by the one cent sales tax, which increasingly benefits the water utility as its debt service increases.

**Table 3-7  
Scenario 4 Volumetric Rates <sup>1</sup>**

	FY 2009 <sup>2</sup>	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014
<b>WATER</b>						
Inside City	\$ 2.40	\$ 3.50	\$ 4.25	\$ 5.00	\$ 6.00	\$ 6.50
Outside City <sup>3</sup>	3.60	5.25	6.38	7.50	9.00	9.75
<b>WASTEWATER</b>						
Inside City <sup>4</sup>	\$ 1.89	\$ 1.89	\$ 2.25	\$ 2.50	\$ 2.75	\$ 3.25
Outside City <sup>3</sup>	2.84	2.84	3.38	3.75	4.13	4.88

## Notes:

- 5) Rates per 1,000 gallons
- 6) FY 2009 rates are the same as current rates, except there is no volumetric rate decrease for consumption above 1 million gallons and OSU is to be billed for wastewater at the inside City Limits volumetric rate
- 7) Volumetric rates for customers outside the City Limits are 1.5 times the rates for customers inside the City Limits (Rural Water Corp #3 is charged inside City Limits rates)
- 8) OSU rate to be set equal to inside City Limits volumetric rates

The rates for Scenario 4 provide the Utilities with the financial support necessary to keep the water and wastewater systems in good working condition. The volumetric rate increases are not insignificant but, if the Utilities are to remain self-sufficient enterprise funds, these rates are required to maintain the Utilities and protect the health of the community.

### 3.3 Monitor Water Consumption and Financial Conditions

For the purpose of estimating the future operating characteristics for the Utilities, water consumption in FY 2006, FY 2007, and FY 2008 was evaluated and compared against rainfall data in order to determine normalized consumption patterns. This methodology prevents rates from being developed based on abnormally wet or dry conditions, which would potentially cause the Utilities to over or under recover the revenue requirement. For example, if water sales during a dry year were used to establish volumetric rates, the City would risk setting a volumetric rate too low to recover costs under normal rainfall conditions.

The water rates in this report reflect the intention of OSU to restart its surface water treatment plant and provide its own treated water beginning in FY 2009. However, the rates do not consider any significant reduction in water consumption by remaining customers due to rate increases. This could lead the City to under recover the revenue requirement if customers significantly reduce consumption. However, water demand is relatively inelastic – meaning it is not very sensitive to price increases. Elasticity studies of residential (indoor and outdoor) water demand have shown an average reduction in water use of one to three percent for every 10 percent increase in an average monthly water bill.<sup>6</sup> Further, even if customers reduce water consumption in the short-term due to rate increases, these customers often times return to normal consumption patterns over time.

The City should closely monitor expenses, customer growth, water consumption, and revenues to ensure the financial integrity of the Utilities. Actual results that deviate from the financial forecast utilized in the Study may justify earlier or more significant rate adjustments.

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<sup>6</sup> *Principals of Water Rates, Fees, and Charges* (M1 Manual), AWWA, Fifth Edition, 2000, page 158

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Reference Copy

## Section 4

# BENCHMARKING ANALYSIS

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Section 4 of this report illustrates how the City's rates compare with the current rates in six similar communities.<sup>7</sup> It should be noted that all water and wastewater systems are different, even for comparable communities. Some systems are older than others, which directly impacts the cost of operations and maintenance. Further, some systems are well maintained while others may have deteriorating infrastructure. Postponing or trimming expenditures for routine maintenance and repair on water and wastewater systems may lower the cost of operating the systems in the short-term, but eventually the short-term costs savings will translate into longer-term capital needs.

## 4.1 Current Rates

### 4.1.1 Bartlesville

The City of Bartlesville charges a water minimum bill that increases based on meter size. The minimum bill includes 2,000 gallons of water consumption. The water volumetric rates reflect a declining block rate structure. Outside City Limits customers pay a volumetric rate equal to 1.75 times the inside City Limits rates. Table 4-1 provides the current retail water rates.

The wastewater minimum bill is the same for all customers. The residential wastewater volumetric rate is charged based on a winter average. This charge is based on 100 percent of metered water consumption billed in January through April and, for the rest of the year, the lower of:

- 1) 100 percent of metered water consumption; or
- 2) 1.2 times the average water consumption for the lowest three of the four bills issued in January through April, except that if the actual consumption in any of those months is lower than 2,000 gallons, then 2,000 gallons shall be used in computing the average. In the case of a new resident, where no average for the customer is available, the average shall be assumed to be 7,000 gallons.

Non-residential wastewater volumetric rates are charged based on 100 percent of metered water consumption, unless the customer has a wastewater meter (installed at the customer's expense). Table 4-2 provides the current retail wastewater rates.

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<sup>7</sup> Significant effort has been expended to verify the rate information provided in this section of the report is current and accurate. However, it is possible the data assembled is dated or in the process of being revised by these communities.

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**Table 4-1  
City of Bartlesville Current Retail Water Rates**

Current Rates	
<b>MONTHLY MINIMUM BILL <sup>1</sup></b>	
Meter Size (Inches)	
5/8 or 3/4	\$ 12.19
1	21.73
1 ½	33.60
2	47.35
3	72.66
4	135.16
6	256.88
8	485.39
<b>VOLUMETRIC <sup>2, 3</sup></b>	
Monthly Consumption (Gallons)	
0 to 2,000	Included in Minimum Bill
2,001 to 100,000	\$ 3.33
100,001 to 500,000	3.18
> 500,000	2.94

## Notes:

- 1) The minimum bill for customers outside the City Limits is the same as for customers inside the City Limits
- 2) Volumetric rates for customers outside the City Limits are 1.75 times the rates for customers inside the City Limits
- 3) Rate per 1,000 gallons

**Table 4-2  
City of Bartlesville Current Retail Wastewater Rates**

Current Rates	
<b>MONTHLY MINIMUM BILL <sup>1</sup></b>	\$ 2.45
<b>VOLUMETRIC <sup>2, 3</sup></b>	\$ 3.29

## Notes:

- 1) The minimum bill for customers outside the City Limits is the same as for customers inside the City Limits
- 2) \$2.54 wastewater fee + \$0.75 wastewater investment fee
- 3) Rate per 1,000 gallons

### 4.1.2 Broken Arrow

The City of Broken Arrow charges a water minimum bill based on meter size. Outside City Limits customers pay a minimum bill equal to two times the inside City Limits rates. The water volumetric rates are flat. Outside City Limits customers pay \$1.25 more per 1,000 gallons than the volumetric rate for the inside City Limits customers. Table 4-3 provides the current retail water rates.

Table 4-3  
City of Broken Arrow Current Retail Water Rates

Current Rates	
<b>MONTHLY MINIMUM BILL <sup>1</sup></b>	
Meter Size (Inches)	
3/4	\$ 4.70
1	5.50
1 ½	6.50
2	9.00
3	27.00
4	33.50
6	52.00
8	72.00
10 or more	98.00
<b>VOLUMETRIC <sup>2,3</sup></b>	
Monthly Consumption (Gallons)	
All Consumption	\$ 2.36

Notes:

- 1) The minimum bill for customers outside the City Limits is two times the rate for customers inside the City Limits
- 2) The volumetric rate for customers outside the City Limits is \$1.25 more per 1,000 gallons than the rates for customers inside the City Limits
- 3) Rate per 1,000 gallons

The wastewater minimum bill varies by water meter size. The outside City Limits customers pay a minimum bill equal to two times the rate for inside City Limits customers. The wastewater volumetric rate for all customers is charged based on a winter average of November, December, January and February water consumption. Table 4-4 provides the current retail wastewater rates.

**Table 4-4  
City of Broken Arrow Current Retail Wastewater Rates**

Current Rates	
<b>MONTHLY MINIMUM BILL <sup>1</sup></b>	
Meter Size (Inches)	
3/4	\$ 4.50
1	5.40
1 ½	6.30
2	6.90
3	7.40
4	9.60
6	12.90
8	16.10
10 or more	21.50
<b>VOLUMETRIC <sup>2, 3</sup></b>	<b>\$ 1.50</b>

## Notes:

- 1) The minimum bill for customers outside the City Limits is two times the rate for customers inside the City Limits
- 2) The volumetric rate for customers outside the City Limits is \$2.25 per 1,000 gallons
- 3) Rate per 1,000 gallons

### 4.1.3 Edmond

The City of Edmond charges a water minimum bill based on meter size. The minimum bill includes 1,000 gallons of water consumption. Multi-family residences pay a minimum bill of \$4.57 per unit and all water use over 1,000 gallons is billed at the regular volumetric rates. The water volumetric rates reflect an inclining block rate structure (after the first 1,000 gallons). Outside City Limits customers pay minimum bills and volumetric rates equal to two times the inside City Limits rates. Table 4-5 provides the current retail water rates.

The wastewater minimum bill is the same for all customers. Multi-family residences pay a minimum bill for each unit. The residential and commercial wastewater volumetric rate is charged based on a winter average of December, January, and March. Table 4-6 provides the current retail wastewater rates.

**Table 4-5  
City of Edmond Current Retail Water Rates**

Current Rates	
<b>MONTHLY MINIMUM BILL <sup>1</sup></b>	
Meter Size (Inches)	
5/8 or 3/4	\$ 4.57
1	7.53
1 ½	14.76
2	20.89
3	41.90
4	63.40
6	126.93
8	229.17
<b>VOLUMETRIC <sup>2,3</sup></b>	
Monthly Consumption (Gallons)	
0 to 1,000	Included in Minimum Bill
1,001 to 3,000	\$ 3.60
3,001 to 10,000	3.95
> 10,000	4.60

## Notes:

- 1) The minimum bill for customers outside the City Limits is two times the rates for customers inside the City Limits
- 2) Volumetric rates for customers outside the City Limits are two times the rates for customers inside the City Limits
- 3) Rate per 1,000 gallons

**Table 4-6  
City of Edmond Current Retail Wastewater Rates**

Current Rates	
<b>MONTHLY MINIMUM BILL</b>	\$ 6.25
<b>VOLUMETRIC <sup>1</sup></b>	\$ 1.78

## Notes:

- 1) Rate per 1,000 gallons

### 4.1.4 Moore

The City of Moore charges the same water minimum bill regardless of meter size. Multi-family residences pay a minimum bill for each unit. The minimum bill includes 2,000 gallons of water consumption. The water volumetric rates reflect an inclining block rate structure (after the first 2,000 gallons). Table 4-7 provides the current retail water rates.

**Table 4-7**  
**City of Moore Current Retail Water Rates**

Current Rates	
<b>MONTHLY MINIMUM BILL</b> <sup>1</sup>	\$ 9.50
<b>VOLUMETRIC</b> <sup>2,3</sup>	
Monthly Consumption (Gallons)	
0 to 2,000	Included in Minimum Bill
2,001 to 40,000	\$ 2.70
> 40,000	3.00

Notes:

- 1) The minimum bill for customers outside the City Limits is two times the rate for customers inside the City Limits
- 2) Volumetric rates for customers outside the City Limits are two times the rates for customers inside the City Limits
- 3) Rate per 1,000 gallons

The wastewater minimum bill is the same for all inside City Limits customers. Multi-family residences pay a minimum bill for each unit. The residential wastewater volumetric rate is charged based on a winter average of December, January, and February. Commercial wastewater volumetric rates are charged based on 100 percent of metered water consumption. Table 4-8 provides the current retail wastewater rates.

**Table 4-8**  
**City of Moore Current Retail Wastewater Rates**

Current Rates	
<b>MONTHLY MINIMUM BILL</b> <sup>1</sup>	\$ 9.50
<b>VOLUMETRIC</b> <sup>2,3</sup>	\$ 2.65

Notes:

- 1) The minimum bill for customers outside the City Limits is two times the rate for customers inside the City Limits
- 2) The volumetric rate for customers outside the City Limits is two times the rate for customers inside the City Limits
- 3) Rate per 1,000 gallons

### 4.1.5 Muskogee

The City of Muskogee charges a water minimum bill based on meter size. The minimum bill includes 200 cubic feet of water consumption. The water volumetric rates reflect a declining block rate structure. Outside City Limits customers pay minimum bills and volumetric rates greater than the inside City Limits rates, but the relationship is not uniform and ranges between 1.181 and 2.463 times the inside rates. Table 4-9 provides the current retail water rates.

**Table 4-9**  
**City of Muskogee Current Retail Water Rates**

Current Rates	
<b>MONTHLY MINIMUM BILL <sup>1</sup></b>	
Meter Size (Inches)	
5/8	\$ 6.07
3/4	6.23
1	14.85
1 ½	23.67
2	29.64
3	59.18
4	73.93
6	150.03
<b>VOLUMETRIC <sup>2,3</sup></b>	
Monthly Consumption (Cubic Feet)	
0 to 200	Included in Minimum Bill
201 to 300	\$ 3.22
301 to 400	2.70
401 to 2,000	2.39
2,001 to 6,000	2.13
6,001 to 10,000	1.77
10,001 to 20,000	1.61
20,001 to 40,000	1.30
> 40,000	0.78

Notes:

- 1) The minimum bills for customers outside the City Limits are a varying multiple of the rates for customers inside the City Limits
- 2) The volumetric rates for customers outside the City Limits are a varying multiple of the rates for customers inside the City Limits
- 3) Rate per 100 cubic feet

The wastewater minimum bill includes 100 cubic feet of wastewater flow. Residential and commercial wastewater volumetric rates are charged based on 100 percent of metered water consumption. Industrial customers have a different rate structure with industrial surcharges based on strength loading. Outside City Limits customers pay minimum bills and volumetric rates greater than the inside City Limits rates, but the relationship is not uniform. Table 4-10 provides the current retail wastewater rates.

**Table 4-10**  
**City of Muskogee Current Retail Wastewater Rates**

Current Rates	
MONTHLY MINIMUM BILL <sup>1</sup>	\$ 9.30
VOLUMETRIC <sup>2, 3</sup>	
Monthly Consumption (Cubic Feet)	
0 to 100	Included in Minimum Bill
> 100	\$ 0.90

Notes:

- 1) The minimum bill for customers outside the City Limits is 1.183 times the rate for customers inside the City Limits
- 2) The volumetric rates for customers outside the City Limits are 1.111 times the rate for customers inside the City Limits
- 3) Rate per 100 cubic feet

### 4.1.6 Shawnee

The City of Shawnee charges a water minimum bill that includes 1,000 gallons of water consumption. The water volumetric rates reflect a declining block rate structure. Outside City Limits customers pay a volumetric rate equal to 1.5 times the inside City Limits rates. Table 4-11 provides the current retail water rates.

**Table 4-11  
City of Shawnee Current Retail Water Rates**

		Current Rates
<b>MONTHLY MINIMUM BILL</b> <sup>1</sup>		\$ 6.70
<b>VOLUMETRIC</b> <sup>2,3</sup>		
Monthly Consumption (Gallons)		
0 to 1,000		Included in Minimum Bill
1,001 to 4,000		\$ 3.69
4,001 to 1,000,000		3.40
1,000,001 to 2,000,000		2.84
> 2,000,000		2.70

## Notes:

- 1) The minimum bill for customers outside the City Limits is \$9.32 per month
- 2) Volumetric rates for customers outside the City Limits are 1.5 times the rates for customers inside the City Limits
- 3) Rate per 1,000 gallons

The wastewater minimum bill includes 1,000 gallons of wastewater flow. The residential wastewater volumetric rate is charged based on a winter average of November through February. The commercial wastewater volumetric rate is charged based on 100 percent of metered water consumption. Outside City Limits customers pay volumetric rates equal to 1.5 times the inside City Limits rates. Table 4-12 provides the current retail wastewater rates.

**Table 4-12  
City of Shawnee Current Retail Wastewater Rates**

		Current Rates
<b>MONTHLY MINIMUM BILL</b> <sup>1</sup>		\$ 4.25
<b>VOLUMETRIC</b> <sup>2,3</sup>		
Monthly Consumption (Gallons)		
0 to 1,000		Included in Minimum Bill
> 1,000		\$ 2.49

## Notes:

- 1) The minimum bill for customers outside the City Limits is \$5.91 per month
- 2) The volumetric rate for customers outside the City Limits is 1.5 times the rate for customers inside the City Limits
- 3) Rate per 1,000 gallons

## 4.2 Average Bill Comparison

The tables below provide a comparison of the City's rates with the benchmark communities. The City's current rates and the rates identified in Section 3 for FY 2010 under all scenarios (except the Status Quo scenario) are provided in the tables for comparison. The average water bill for a resident inside the City Limits with a ¾-inch water meter and 7,000 gallons of consumption is provided in Table 4-13. The average wastewater bill for a resident inside the City Limits with 5,000 gallons of wastewater flow is provided in Table 4-14. These billing units are representative of normal residential usage in the City. Table 4-15 provides the combined water and wastewater bills.

Table 4-13  
Water Bill Comparison <sup>1</sup>

	Minimum Monthly Bill	Volumetric	Total Bill
1 Stillwater – Current <sup>2</sup>	\$ 3.60	\$ 16.80	\$ 20.40
2 Broken Arrow	4.70	16.52	21.22
3 Moore	9.50	13.50	23.00
4 Muskogee <sup>3</sup>	6.23	18.72	24.95
5 Edmond	4.57	23.00	27.57
6 Shawnee	6.70	21.27	27.97
7 Bartlesville	12.19	16.65	28.84
8 Stillwater – FY 2010	5.00	24.50	29.50

Notes:

- 1) Inside City Limits customers with a ¾-inch water meter and 7,000 gallons of consumption
- 2) Equivalent to the average bill in FY 2009 under all scenarios
- 3) Rate converted from cubic feet to 1,000 gallons

Since there are only two changes to the rate structure reflected in the rates for FY 2009<sup>8</sup>, it may be informative to compare the rates in FY 2010 with the benchmark communities, despite the difference in time. However, it should be understood that this is an apples to oranges comparison, since the rates in the benchmark communities will almost certainly change, and likely increase, in the future.

<sup>8</sup> Namely, to remove the 10 percent water rate reduction for consumption greater than one million gallons per month and begin charging OSU the inside City Limits volumetric rate for wastewater flow

Table 4-14  
Wastewater Bill Comparison <sup>1</sup>

	Minimum Monthly Bill	Volumetric	Total Bill
1 Broken Arrow	\$ 4.50	\$ 7.50	\$ 12.00
2 Shawnee	4.25	9.96	14.21
3 Muskogee <sup>3</sup>	9.30	5.12	14.42
4 Edmond	6.25	8.90	15.15
5 <b>Stillwater – Current <sup>2</sup></b>	<b>6.51</b>	<b>9.45</b>	<b>15.96</b>
6 <b>Stillwater – FY 2010</b>	<b>6.51</b>	<b>9.45</b>	<b>15.96</b>
7 Bartlesville	2.45	16.45	18.90
8 Moore	9.50	13.25	22.75

## Notes:

- 1) Inside City Limits customers with a 5,000 gallons of consumption
- 2) Equivalent to the average bill in FY 2009 under all scenarios
- 3) Rate converted from cubic feet to 1,000 gallons

As illustrated in Table 4-15, the City's average residential combined water and wastewater bill increases from \$36.36 in FY 2009 to \$45.46 in FY 2010.

Table 4-15  
Combined Water and Wastewater Bill Comparison

	Water	Wastewater	Total
1 Broken Arrow	\$ 21.22	\$ 12.00	\$ 33.22
2 <b>Stillwater – Current <sup>1</sup></b>	<b>20.40</b>	<b>15.96</b>	<b>36.36</b>
3 Muskogee	24.95	14.42	39.37
4 Shawnee	27.97	14.21	42.18
5 Edmond	27.57	15.15	42.72
6 <b>Stillwater – FY 2010</b>	<b>29.50</b>	<b>15.96</b>	<b>45.46</b>
7 Moore	23.00	22.75	45.75
8 Bartlesville	28.84	18.90	47.74

## Notes:

- 1) Equivalent to the average bill in FY 2009 under all scenarios

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## Section 5 POLICY ISSUES

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Section 5 of this report comments on some key policy issues and discusses some recommendations by R. W. Beck for consideration by the City Council. These observations are based on our experience with the conduct of cost of service and rate design studies as well as our experience in dealing with economic and financial planning issues for water and wastewater utilities across the United States.

### 5.1 AWWA Equivalent Meter Factors

A basic tenet of water rate design is that the minimum monthly bill should increase with the meter size in correlation with the demand capacity of the meter. A larger water meter has the capacity to exponentially demand more water from the water system than a smaller water meter and should, therefore, pay a larger minimum bill. Regardless of whether or not any water is actually used, the City's water system is sized and constructed with sufficient capacity to reliably provide water at whatever rate the capacity of the meter allows.

The City's current rates charge the same water minimum bill regardless of the meter size. R. W. Beck recommends the City move toward meter factors that are aligned with capacity standards, such as those reported by AWWA in various publications. Table 5-1 lists the meter factors utilized in the Study. These are used to identify the relationship between various water meter sizes. For example, under typical conditions the minimum bill for a four-inch meter should be 20 times the rate for a 3/4-inch meter.<sup>9</sup>

The rates listed in Section 3 of this report transition the water rates to AWWA equivalent meter factors over several years in order to allow customers with larger meters time to adjust to the changing rates. R. W. Beck estimates that the City would generate approximately \$200,000 in additional revenue<sup>10</sup> in FY 2009 if the current rates had been structured with the same \$3.60 per month minimum bill for a 3/4-inch meter, but with increases by meter size based on meter factors aligned with the capacities of the meters.

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<sup>9</sup> It may be appropriate to use system specific data to develop meter factors specific to the water system rather than relying on meter standards (See discussion on page 202 and 305 of the AWWA M1 Manual)

<sup>10</sup> An increase of 28 percent

**Table 5-1  
Equivalent Meter Factors**

Meter Size (Inches)	Maximum Flow Rate <sup>1</sup>	5/8-Inch Meter Equivalents	3/4-Inch Meter Equivalents	Source <sup>2</sup>
5/8	20	1.00	N/A	M1
3/4	30	1.50	1.00	M6
1	50	2.50	1.67	M6
1 1/2	100	5.00	3.33	M6
2	160	8.00	5.33	M6
3	350	17.50	11.67	M6
4	600	30.00	20.00	M6
6	1,250	62.50	41.67	M6
8	1,800	90.00	60.00	M6
10	2,900	145.00	96.67	M6
12	4,300	215.00	143.33	M6

## Notes:

- 1) In gallons per minute (GPM)
- 2) M1 = Principals of Water Rates, Fees, and Charges (M1), AWWA, 5th Edition, 2000, Table 28-2, Page 202  
M6 = Water Meters - Selection, Installation, Testing, and Maintenance (M6), AWWA, 4th Edition, 1999, Table 5-3, Page 54 (Class I Turbine Meters)

## 5.2 OSU Wastewater Billing Units

As was mentioned in Section 1.2.2 of this report, OSU is billed for wastewater based on a fixed volume each month. R. W. Beck strongly recommends the City revise this billing policy once OSU is producing its own treated water. OSU should meter its water production in order to identify the volume of return flow to the City's wastewater system. OSU should be allowed to deduct from the production measurements any water not returned to the wastewater system. This might include water supply lines to cooling towers or landscape irrigation. However, OSU should be required to meter these lines. Readings from meters that do not return flows to the wastewater system can then be subtracted from the water production readings in order to establish the flows to the wastewater system. OSU and City staff should read the meters jointly each month.

## 5.3 Temporary Hydrant Meters

The Utilities provide temporary hydrant meters to individuals in need of water at locations without a current water connection. For example, this type of meter could be used for construction work at a location not yet connected to the water system. The City has approximately 35 hydrant meters in circulation.

The City's current policy requires the applicant to pay a \$750 deposit for a standard three-inch hydrant meter. The meter holder is supposed to call customer service monthly to report the water used and the City mails the user a bill. The water consumption is charged at the inside City Limits volumetric rate. However, there is no monthly minimum charge. Further, there is no incentive to return the meter or report the monthly water use.

R. W. Beck recommends the City revise its policies regarding these hydrant meters to charge a monthly minimum bill equal to the inside City Limits rate for a three-inch meter. This will encourage the return of these meters to the City in a timely manner. Further, failure to report consumption monthly or pay the minimum bill should be cause to forfeit the deposit. The deposit amount should be revised periodically to reflect approximately 1.5 to two times the cost of a new hydrant meter.

## 5.4 Private Fire Protection

The Utilities provide fire protection to the community. Although most fire hydrants and sprinkler connections are rarely used, the water system must be designed and sized to provide adequate water volume and pressure throughout the distribution system, including demands from fire protection. Water systems typically provide fire protection services in two distinct ways – public and private. The public fire protection is provided to customers on a system-wide basis through public fire hydrants located throughout the water system. The private (i.e., dedicated) fire protection is provided to an individual customer's property and is not available to customers outside the property. Generally, public fire protection costs are shared jointly by all customers and private fire protection costs are recovered from the individual beneficiaries of the service.

In addition to public fire protection, the Utilities provide private fire protection to many customers. However, these private customers are not charged anything for this service. Further, in general, the lines providing private fire protection are not metered. The probable rationale behind this policy is that these connections are not using any water (unless there is a fire) and they are contributing to a public good, namely safety. However, the private fire protection is largely benefitting only the inhabitants of the private property. Further, the owners of the property are likely receiving discounts on insurance for having the fire protection or, in some cases, may not have been able to construct or occupy the structures without fire protection. This indicates that a valuable service is being provided to the owner by the Utilities.

In order to ensure consistency and equity among customers, R. W. Beck recommends the City revise its policy on private fire protection to reflect the potential demand these customers place on the water system. Specifically, R. W. Beck recommends the City install water meters on all private fire protection lines and begin to bill these connections as it would for any other water connection on the system (i.e., monthly minimum bills based on meter size and volumetric charges for any consumption).

It is important to have the private fire lines metered, not only to ensure equity among customers but, also, to help identify leaks on private systems and prevent water theft.

Currently, customers with private fire lines have no incentive to identify or repair water leaks. This has contributed to water loss in the system.

## 5.5 Water Tap Fees

The City has a fee schedule associated with connecting to the water system and for the City providing a water meter. The current tap fees are provided in Table 5-2.

**Table 5-2  
Current Water Tap Fees**

	Fee
Inside City Limits	
¾"	\$ 227.00
1"	470.05
Outside City Limits	
¾"	\$ 327.00
1"	725.05

R. W. Beck recommends the City revise the tap fees to be in-line with the costs of providing this service. Table 5-3 lists the recommended tap fees for ¾-inch and 1-inch meters if the City is tapping the water line and installing the meter. The tap fee for larger meter sizes should be similarly set based on the cost of providing the service. The detail supporting these fees is provided in the Appendix, Schedule 6.

**Table 5-3  
Recommended Water Tap Fees**

	Fee
Short Tap <sup>1</sup>	
¾"	\$ 899.00
1"	1,055.00
Long Tap <sup>2</sup>	
¾"	\$ 1,583.00
1"	1,739.00

Notes:

- 1) Same side of the street
- 2) Opposite side of the street (requiring road bore crossing)

R. W. Beck recognizes the community development aspect to keeping these fees low. However, the fees in Table 5-3 are modest when compared with the total cost of real estate improvements.

If the developer in a new subdivision installs the water main and required appurtenances, taps the water line, installs the meter box and service line, and generally provides all other required preparations so that the City need only supply and install the water meter, then the fee charged by the City may be lowered to \$120 for a ¾-inch meter and \$160 for a one-inch meter. This fee would cover a one-time visit only. These fees need to be subject to revision as costs of labor and materials change.

## 5.6 Utilities Service to City Accounts

As part of the Study, R. W. Beck evaluated the cost of water and wastewater services provided to City accounts for informational purposes. The City has approximately 84 connections to the water system, which are not billed for services as they are associated with City government. However, if these accounts, and their associated consumption and wastewater flow, were included in the billable units, the cost to the City would be approximately \$53,000 for water and \$32,000 for wastewater each year (based on the FY 2009 cost of service).

## 5.7 City Code Revisions and Enforcement

### 5.7.1 Wastewater Discharge Requirements

Blockages in the wastewater system are not only expensive to resolve, but also pose a health risk. The existing City Code contains language regarding prohibited sewer discharges<sup>11</sup>, grease trap requirements<sup>12</sup>, and how to calculate strength loading surcharges<sup>13</sup>. However, there is no monetary penalty associated with non-compliance. Although the City has grease trap inspection procedures in place, time constraints on the City's Environmental staff do not allow for continuous management of grease trap inspections. There are currently enough food establishments within the City for quarterly inspections of grease systems to be a full-time job for one employee.

The costs for repair and cleaning of wastewater lines due to violations may be charged to the violator if one can be identified, but this is done only through a charge back system developed in-house by the City's Environmental staff. The complications associated with determining the source of each grease blockage cause it to be a time consuming process. Many sources of grease have yet to be discovered.

The goal of the City's requirements should be to prevent prohibited discharges in order to keep the wastewater system functioning optimally. R. W. Beck recommends

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<sup>11</sup> Sec. 30-132. Prohibited discharge standards

<sup>12</sup> Sec. 30-140. Additional pretreatment measures

<sup>13</sup> Sec. 30-215. Surcharge costs

the City proactively address wastewater discharge requirement compliance by systematically inspecting non-residential customers for violations. A designated City inspector could be assigned the primary duties of monitoring food establishments for grease violations.

The City could also require establishments be subject to grease trap sampling at the source to determine the concentration of effluent. The limits for effluent have already been established in the City Code. Any amount over these limits can be surcharged to the establishment using a pre-determined rate posted in a fee schedule, if one is established. The means of calculating the surcharges for strengths in excess of established limits is already in the City Code. These recommendations will assist the Utilities in reducing the threat of overflows due to prohibited wastewater discharge and ensure the health and safety of the community.

### 5.7.2 Water Backflow Prevention

R. W. Beck recommends the City codify in the City Code the requirements for backflow prevention/protection on private supply lines, such as fire protection lines. Once water is inside a private water line, the City has little control over its use. It is critical to have backflow prevention on these lines in order to maintain the quality and safety of water in the distribution system. Most customers will voluntarily comply with backflow prevention requests but, without formal written requirements, there is little to compel compliance with this critical element of water system safety.

Reference Copy

Appendix  
Schedules

			Budget FY 2009	Adjustments	Test Year	Comment
<b>Water Department</b>						
<b>Transfers Out</b>						
1	0000-480.60-01	General Fund Transfer	-	2,555,628	2,555,628	A
<b>Water Administration Division</b>						
<b>Salaries, Wages &amp; Benefits</b>						
2	9210-495.10-01	Full Time	162,081		162,081	
3	9210-495.10-03	Overtime	-		-	
4	9210-495.10-04	Allowance/Standby	391		391	
5	9210-495.10-21	Social Security	12,221		12,221	
6	9210-495.10-22	Retirement	9,725		9,725	
7	9210-495.10-23	Health Insurance	-	57,883	57,883	A
8		Recurring Budget Adjustment	-		-	
			184,418	57,883	242,301	
<b>Materials</b>						
9	9210-495.20-21	Motor Vehicle Repair Parts	1,000		1,000	
10	9210-495.20-41	Office Supplies	6,000		6,000	
11	9210-495.20-44	Stamps/Postage	200		200	
12	9210-495.20-50	Books/Publications	500		500	
13	9210-495.20-51	Clothing/Uniforms	700		700	
14	9210-495.20-52	Food	1,741		1,741	
15	9210-495.20-53	Motor Vehicle Fuel & Oil	1,200		1,200	
16	9210-495.20-59	Minor Supplies	400		400	
17		Recurring Budget Adjustment	-		-	
			11,741	-	11,741	
<b>Services</b>						
18	9210-495.30-02	Purchased Water	74,000		74,000	
19	9210-495.30-04	Telephone	2,000		2,000	
20	9210-495.30-08	Kaw Dam Authority Fee	14,600	(14,600)	-	A
21	9210-495.30-14	Land Rental - Temp Easement	13,300		13,300	
22	9210-495.30-21	Outside Repair - Cars/Trucks	500		500	
23	9210-495.30-34	Repair - Other Equipment	300		300	
24	9210-495.30-72	Dues & Subscription	2,100		2,100	
25	9210-495.30-73	In-Service Training	9,000		9,000	
26	9210-495.30-75	Advertising/Legal Publications	800		800	
27	9210-495.30-82	Misc. Services	7,530		7,530	
28	9210-495.30-84	Travel Expense	2,000		2,000	
29	9210-495.30-85	Professional Services	50,000	(20,000)	30,000	A
30	9210-495.30-94	Interest - Customer Deposits	15,500		15,500	
31		Recurring Budget Adjustment	-		-	
			191,630	(34,600)	157,030	
<b>Capital</b>						
32	9210-495.40-10	Other Contracts	-	72,168	72,168	I
33		Recurring Budget Adjustment	-		-	
			-	72,168	72,168	
<b>Debt Related Expenses</b>						
34	9210-495.50-70	Principal- 2002 Rev Bonds	1,985,000	(1,985,000)	-	D
35	9210-495.50-72	Principal - Water Plant	170,675	(170,675)	-	D
36	9210-495.50-75	Principal - 2005 Rev Bonds	284,984	(284,984)	-	D
37	9210-495.50-80	Interest Expense - WTP Perm	11,466	(11,466)	-	D
38	9210-495.50-81	Interest Expense - 2002 Rev Bonds	57,472	(57,472)	-	D
39	9210-495.50-82	Interest Expense - KAW Bonds	-		-	
40	9210-495.50-86	Fiscal Fees - Bonds	6,104		6,104	
41	9210-495.50-89	Interest Expense - Equip Lease	-		-	
42	9210-495.50-95	Interest Expense - 2005 Rev Bonds	169,988	(169,988)	-	D
43		Recurring Budget Adjustment	-		-	
44		Principal - Existing Debt	-	2,806,547	2,806,547	E
45		Interest - Existing Debt	-	374,364	374,364	E
46		Principal - Proposed Debt	-	-	-	
47		Interest - Proposed Debt	-	-	-	
			2,685,689	501,326	3,187,015	

			Budget FY 2009	Adjustments	Test Year	Comment
<b>Interfund Transfers</b>						
48	9210-495.60-10	Direct Cost	149,524		149,524	
49	9210-495.60-20	Indirect Cost	132,446		132,446	
50		Recurring Budget Adjustment	-		-	
			281,970	-	281,970	
<b>Noncash Expenses</b>						
51	9200-494.70-94	Depreciation	-		-	
52	9210-495.70-95	Amortization	-		-	
53		Recurring Budget Adjustment	-		-	
			-	-	-	
<b>Total Water Administration Division</b>			<b>3,355,448</b>	<b>596,777</b>	<b>3,952,225</b>	
<b>Water Line Management Division</b>						
<b>Salaries, Wages &amp; Benefits</b>						
54	9266-495.10-01	Full Time	491,054		491,054	
55	9266-495.10-02	Part Time	-		-	
56	9266-495.10-03	Overtime	99,000		99,000	
57	9266-495.10-04	Allowance or Standby	782		782	
58	9266-495.10-21	Social Security	50,639		50,639	
59	9266-495.10-22	Retirement	40,326		40,326	
60	9266-495.10-23	Health Insurance	-	149,229	149,229	A
61	9266-495.10-25	Worker's Compensation	700		700	
62		Recurring Budget Adjustment	-		-	
			682,501	149,229	831,730	
<b>Materials</b>						
63	9266-495.20-01	Mastercard Inventory Purchase	-		-	
64	9266-495.20-17	Hydrants	40,000		40,000	
65	9266-495.20-21	Motor Vehicle Repair Parts	50,000		50,000	
66	9266-495.20-22	Tractor & Machinery Parts	1,000		1,000	
67	9266-495.20-23	Building Materials	900		900	
68	9266-495.20-26	Heating/Cooling System Parts	100		100	
69	9266-495.20-32	Pumps and Motor Parts	300		300	
70	9266-495.20-33	Piping and Valves	300,000		300,000	
71	9266-495.20-34	Other Equipment Parts	4,200		4,200	
72	9266-495.20-41	Office Supplies	300		300	
73	9266-495.20-46	Janitorial Supplies	1,100		1,100	
74	9266-495.20-47	Concrete/Sand/Asphalt	18,500		18,500	
75	9266-495.20-51	Clothing and Uniforms	9,000		9,000	
76	9266-495.20-52	Food	1,400		1,400	
77	9266-495.20-53	Motor Vehicle Fuel & Oil	61,022		61,022	
78	9266-495.20-58	Tools	6,000		6,000	
79	9266-495.20-59	Minor Supplies	12,900		12,900	
80	9266-495.20-62	Gloves/Safety Equipment	6,000		6,000	
81	9266-495.20-87	Meters	125,000		125,000	
82	9266-495.20-95	Valves	3,000		3,000	
83		Recurring Budget Adjustment	-		-	
			640,722	-	640,722	
<b>Services</b>						
84	9266-495.30-01	Natural Gas	3,500		3,500	
85	9266-495.30-04	Telephone	3,300		3,300	
86	9266-495.30-11	Office Equipment Rental	5,000		5,000	
87	9266-495.30-12	Machinery Rental	2,600		2,600	
88	9266-495.30-13	Loan Payments	-		-	
89	9266-495.30-21	Outside Repair - Cars/Trucks	500		500	
90	9266-495.30-22	Repair - Tractors/Machinery	700		700	
91	9266-495.30-23	Repair - Building/Structures	300		300	
92	9266-495.30-24	Repair - Radio Equipment	500		500	
93	9266-495.30-26	Repair - Heating/Cooling	100		100	
94	9266-495.30-32	Repair - Pumps/Motors	500		500	
95	9266-495.30-33	Repair - Piping/Valves	11,000		11,000	
96	9266-495.30-34	Repair - Other Equipment	700		700	
97	9266-495.30-42	Repairs - Street Repairs	110,000		110,000	

			Budget FY 2009	Adjustments	Test Year	Comment
98	9266-495.30-80	Lab Testing & Reporting	15,000		15,000	
99	9266-495.30-82	Misc. Services	50,000		50,000	
100	9266-495.30-85	Professional Services	2,000		2,000	
101		Recurring Budget Adjustment	-		-	
			205,700	-	205,700	
<b>Capital</b>						
102	9266-495.40-01	Vehicles	-	67,453	67,453	I
103	9266-495.40-08	Other Equipment	-	27,938	27,938	I
104	9266-495.40-41	Building and Structures	-	30,061	30,061	I
105	9266-495.40-62	Water Construction	1,075,500	(800,547)	274,953	N
106	9266-495.40-65	Water Lines: Fire Flows	-	7,707	7,707	I
107	9266-495.40-99	Transfer to Assets	-		-	
108		Recurring Budget Adjustment	-		-	
			1,075,500	(667,388)	408,112	
<b>Total Water Line Management Division</b>			<b>2,604,423</b>	<b>(518,158)</b>	<b>2,086,265</b>	
<b>Water Treatment Plant Division</b>						
<b>Salaries, Wages &amp; Benefits</b>						
109	9270-495.10-01	Full Time	417,652		417,652	
110	9270-495.10-02	Part Time	-		-	
111	9270-495.10-03	Overtime	43,000		43,000	
112	9270-495.10-04	Allowance or Standby	782		782	
113	9270-495.10-05	Social Security	31,489		31,489	
114	9270-495.10-06	Retirement	25,059		25,059	
115	9270-495.10-07	Health Insurance	-	89,319	89,319	A
116	9270-495.10-08	Worker's Compensation	19,500		19,500	
117		Recurring Budget Adjustment	-		-	
			537,482	89,319	626,801	
<b>Materials</b>						
118	9270-495.20-21	Motor Vehicle Repair Parts	10,000		10,000	
119	9270-495.20-22	Tractor & Machinery Parts	1,000		1,000	
120	9270-495.20-23	Building Materials	3,000		3,000	
121	9270-495.20-25	Instrument Parts	20,000		20,000	
122	9270-495.20-26	Heating/Cooling System Parts	2,000		2,000	
123	9270-495.20-32	Pumps & Motor Parts	10,000		10,000	
124	9270-495.20-33	Piping & Valves	7,000		7,000	
125	9270-495.20-34	Other Equipment Parts	20,000		20,000	
126	9270-495.20-42	Laboratory Supplies	7,000		7,000	
127	9270-495.20-46	Janitorial Supplies	2,500		2,500	
128	9270-495.20-47	Concrete/Sand/Asphalt	1,500		1,500	
129	9270-495.20-49	Chemicals	275,000		275,000	
130	9270-495.20-51	Clothing & Uniforms	6,000		6,000	
131	9270-495.20-52	Food	1,000		1,000	
132	9270-495.20-53	Motor Vehicle Fuel & Oil	26,584		26,584	
133	9270-495.20-58	Tools	4,500		4,500	
134	9270-495.20-59	Minor Supplies	10,000		10,000	
135	9270-495.20-62	Gloves/Safety Equipment	2,500		2,500	
136		Recurring Budget Adjustment	-		-	
			409,584	-	409,584	
<b>Services</b>						
137	9270-495.30-01	Natural Gas	6,000		6,000	
138	9270-495.30-03	Electricity	245,000	239,427	484,427	F
139	9270-495.30-04	Telephone	8,000		8,000	
140	9270-495.30-12	Machinery Rental	1,000		1,000	
141	9270-495.30-13	Loan Payments	36,200	(36,200)	-	B
142	9270-495.30-21	Outside Repair - Cars/Trucks	1,000		1,000	
143	9270-495.30-22	Repair - Tractors/Machinery	500		500	
144	9270-495.30-24	Repair - Radio Equipment	300		300	
145	9270-495.30-26	Repair - Heating/Cooling	1,000		1,000	

			Budget FY 2009	Adjustments	Test Year	Comment
146	9270-495.30-32	Repair - Pumps/Motors	10,000		10,000	
147	9270-495.30-33	Repair - Piping/Valves	2,000		2,000	
148	9270-495.30-34	Repair - Other Equipment	2,000		2,000	
149	9270-495.30-39	Repair - Electronic Equipment	5,000		5,000	
150	9270-495.30-80	Lab Testing and Reporting	20,000		20,000	
151	9270-495.30-82	Misc. Services	35,000		35,000	
152	9270-495.30-85	Professional Services	8,000		8,000	
153		Recurring Budget Adjustment	-		-	
			381,000	203,227	584,227	
		<b>Capital</b>				
154	9270-495.40-01	Vehicles	25,000	(13,751)	11,249	I
155	9270-495.40-03	Radio/Communication Equipment	155,000	(155,000)	-	I
156	9270-495.40-08	Other Equipment	-	8,925	8,925	I
157	9270-495.40-10	Other Contracts	77,000	(25,381)	51,619	I
158	9270-495.40-41	Building & Structures	18,535	(11,617)	6,918	I
159	9270-495.40-53	Concrete/Asphalt	-	-	-	
160	9270-495.40-62	Water Construction	500,000	(406,096)	93,904	I
161	9270-495.40-99	Transfer to Assets	-	-	-	
162		Recurring Budget Adjustment	-	-	-	
			775,535	(602,920)	172,615	
		<b>Total Water Treatment Plant Division</b>	<b>2,103,601</b>	<b>(310,374)</b>	<b>1,793,227</b>	
		<b>Rural Water Corp #3</b>				
		<b>Salaries, Wages &amp; Benefits</b>				
163	9275-495.10-01	Full Time	90,919		90,919	
164	9275-495.10-03	Overtime	15,000		15,000	
165	9275-495.10-04	Allowance or Standby	-		-	
166	9275-495.10-21	Social Security	10,197		10,197	
167	9275-495.10-22	Retirement	8,035		8,035	
168	9275-495.10-23	Health Insurance	-	18,965	18,965	A
169		Recurring Budget Adjustment	-	-	-	
			124,151	18,965	143,116	
		<b>Materials</b>				
170	9275-495.20-17	Hydrants	10,000		10,000	
171	9275-495.20-21	Motor Vehicle Repair Parts	5,000		5,000	
172	9275-495.20-22	Tractor & Machinery Parts	2,000		2,000	
173	9275-495.20-23	Building Materials	1,000		1,000	
174	9275-495.20-26	Heating/Cooling System Parts	1,000		1,000	
175	9275-495.20-32	Pumps & Motor Parts	10,000		10,000	
176	9275-495.20-33	Piping & Valves	35,000		35,000	
177	9275-495.20-34	Other Equipment Parts	1,000		1,000	
178	9275-495.20-35	Propane	-		-	
179	9275-495.20-41	Office Supplies	500		500	
180	9275-495.20-47	Concrete/Sand/Asphalt	4,000		4,000	
181	9275-495.20-49	Chemicals	5,000		5,000	
182	9275-495.20-51	Clothing & Uniforms	1,000		1,000	
183	9275-495.20-52	Food	1,200		1,200	
184	9275-495.20-53	Motor Vehicle Fuel & Oil	10,000		10,000	
185	9275-495.20-58	Tools	1,000		1,000	
186	9275-495.20-59	Minor Supplies	10,000		10,000	
187	9275-495.20-62	Gloves/Safety Equipment	500		500	
188	9275-495.20-87	Meters	10,000		10,000	
189	9275-495.20-95	Valves	5,000		5,000	
190		Recurring Budget Adjustment	-	-	-	
			113,200	-	113,200	
		<b>Services</b>				
191	9275-495.30-03	Electricity	12,000		12,000	
192	9275-495.30-04	Telephone	1,000		1,000	
193	9275-495.30-12	Machinery Rental	3,000		3,000	
194	9275-495.30-15	Other Rentals	-		-	
195	9275-495.30-21	Outside Repair - Cars/Trucks	1,200		1,200	
196	9275-495.30-22	Repair - Tractors/Machinery	2,000		2,000	

			Budget FY 2009	Adjustments	Test Year	Comment
197	9275-495.30-23	Repair - Building/Structures	1,000		1,000	
198	9275-495.30-24	Repair - Radio Equipment	1,000		1,000	
199	9275-495.30-26	Repair - Heating/Cooling	1,000		1,000	
200	9275-495.30-32	Repair - Pumps/Motors	32,000		32,000	
201	9275-495.30-33	Repair - Piping/Valves	10,000		10,000	
202	9275-495.30-34	Repair - Other Equipment	10,000		10,000	
203	9275-495.30-42	Repairs - Street Repairs	5,000		5,000	
204	9275-495.30-80	Lab Testing & Reporting	5,000		5,000	
205	9275-495.30-82	Misc. Services	5,000		5,000	
206	9275-495.30-85	Professional Services	5,000		5,000	
207		Recurring Budget Adjustment	-		-	
			94,200	-	94,200	
<b>Capital</b>						
208	9275-495.40-10	Other Contracts	-		-	
209	9275-495.40-62	Water Construction	500,000	(433,933)	66,067	I
210		Recurring Budget Adjustment	-		-	
			500,000	(433,933)	66,067	
<b>Total Rural Water Corp #3 Division</b>			<b>831,551</b>	<b>(414,968)</b>	<b>416,583</b>	
<b>Total Water Department</b>			<b>8,895,023</b>	<b>1,908,904</b>	<b>10,803,927</b>	
<b>Wastewater Department</b>						
<b>Transfers Out</b>						
211	0000-480.60-01	General Fund Transfer	-	659,517	659,517	A
<b>Wastewater Administration Division</b>						
<b>Salaries, Wages &amp; Benefits</b>						
212	9310-432.10-01	Full Time	162,080		162,080	
213	9310-432.10-03	Overtime	-		-	
214	9310-432.10-04	Allowance/Standby	391		391	
215	9310-432.10-21	Social Security	12,221		12,221	
216	9310-432.10-22	Retirement	9,724		9,724	
217	9310-432.10-23	Health Insurance	-	23,633	23,633	A
218		Recurring Budget Adjustment	-		-	
			184,416	23,633	208,049	
<b>Materials</b>						
219	9310-432.20-21	Motor Vehicle Repair Parts	1,000		1,000	
220	9310-432.20-34	Other Equipment Parts	150		150	
221	9310-432.20-41	Office Supplies	1,000		1,000	
222	9310-432.20-44	Stamps & Postage	100		100	
223	9310-432.20-50	Books & Publications	300		300	
224	9310-432.20-51	Clothing & Uniforms	-		-	
225	9310-432.20-52	Food	750		750	
226	9310-432.20-53	Motor Vehicle Fuel & Oil	1,934		1,934	
227	9310-432.20-59	Minor Supplies	100		100	
228		Recurring Budget Adjustment	-		-	
			5,334	-	5,334	
<b>Services</b>						
229	9310-432.30-21	Outside Repair - Cars/Trucks	200		200	
230	9310-432.30-24	Repair - Radio Equipment	-		-	
231	9310-432.30-25	Repair - Office Equipment	-		-	
232	9310-432.30-72	Dues & Subscriptions	600		600	
233	9310-432.30-73	In-Service Training	6,000		6,000	
234	9310-432.30-82	Misc. Services	4,000		4,000	
235	9310-432.30-84	Travel Expense	2,000		2,000	
236	9310-432.30-85	Professional Services	11,200		11,200	
237		Recurring Budget Adjustment	-		-	
			24,000	-	24,000	

			Budget FY 2009	Adjustments	Test Year	Comment
<b>Capital</b>						
238	9310-432.40-10	Other Contracts	-	25,361	25,361	I
239	9310-432.40-99	Transfer to Assets	-	-	-	
240		Recurring Budget Adjustment	-	-	-	
			-	25,361	25,361	
<b>Debt Related Expenses</b>						
241	9310-432.50-73	Principal - WWTP	550,007	(550,007)	-	D
242	9310-432.50-75	Principal - 2005 Rev Bonds	413,791	(413,791)	-	D
243	9310-432.50-84	Interest - WWTP	227,644	(227,644)	-	D
244	9310-432.50-86	Fiscal Fees - Bonds	2,328	-	2,328	
245	9310-432.50-88	Interest Exp - Interim Loan WWTP	-	-	-	
246	9310-432.50-89	Interest Exp - Equipment Lease	-	-	-	
247	9310-432.50-95	Interest Exp - 2005 Rev bonds	246,820	(246,820)	-	D
248		Recurring Budget Adjustment	-	-	-	
249		Principal - Existing Debt	-	1,079,690	1,079,690	E
250		Interest - Existing Debt	-	508,486	508,486	E
251		Principal - Proposed Debt	-	-	-	
252		Interest - Proposed Debt	-	-	-	
			1,440,590	149,913	1,590,503	
<b>Interfund Transfers</b>						
253	9310-432.60-10	Direct Cost	73,596	-	73,596	
254	9310-432.60-20	Indirect Cost	65,190	-	65,190	
255		Recurring Budget Adjustment	-	-	-	
			138,786	-	138,786	
<b>Noncash Expenses</b>						
256	9300-432.70-94	Depreciation	-	-	-	
257	9310-432.70-95	Amortization	-	-	-	
258		Recurring Budget Adjustment	-	-	-	
			-	-	-	
<b>Total Wastewater Administration Division</b>			<b>1,793,126</b>	<b>198,908</b>	<b>1,992,034</b>	
<b>Wastewater Line Management Division</b>						
<b>Salaries, Wages &amp; Benefits</b>						
259	9366-432.10-01	Full Time	319,685	-	319,685	
260	9366-432.10-03	Overtime	49,000	-	49,000	
261	9366-432.10-04	Allowance or Standby	-	-	-	
262	9366-432.10-21	Social Security	27,829	-	27,829	
263	9366-432.10-22	Retirement	22,121	-	22,121	
264	9366-432.10-23	Health Insurance	-	65,889	65,889	A
265	9366-432.10-25	Worker's Compensation	7,800	-	7,800	
266		Recurring Budget Adjustment	-	-	-	
			426,435	65,889	492,324	
<b>Materials</b>						
267	9366-432.20-21	Motor Vehicle Repair Parts	28,000	-	28,000	
268	9366-432.20-22	Tractor & Machinery Parts	200	-	200	
269	9366-432.20-23	Building Materials	500	-	500	
270	9366-432.20-32	Pumps & Motor Parts	1,200	-	1,200	
271	9366-432.20-33	Piping & Valves	-	-	-	
272	9366-432.20-34	Other Equipment Parts	8,100	-	8,100	
273	9366-432.20-46	Janitorial Supplies	900	-	900	
274	9366-432.20-47	Concrete/Sand/Asphalt	8,000	-	8,000	
275	9366-432.20-49	Chemicals	600	-	600	
276	9366-432.20-51	Clothing & Uniforms	6,000	-	6,000	
277	9366-432.20-52	Food	500	-	500	
278	9366-432.20-53	Motor Vehicle Fuel & Oil	38,284	-	38,284	
279	9366-432.20-58	Tools	7,000	-	7,000	
280	9366-432.20-59	Minor Supplies	10,000	-	10,000	
281	9366-432.20-62	Safety Equipment/Training	2,500	-	2,500	
282	9366-432.20-96	Pipe & Culvert	14,500	-	14,500	
283		Recurring Budget Adjustment	-	-	-	
			126,284	-	126,284	

			Budget FY 2009	Adjustments	Test Year	Comment
<b>Services</b>						
284	9366-432.30-04	Telephone	1,200		1,200	
285	9366-432.30-12	Machinery Rental	10,000		10,000	
286	9366-432.30-21	Outside Repair - Cars/Trucks	500		500	
287	9366-432.30-22	Repair - Tractors/Machinery	1,300		1,300	
288	9366-432.30-23	Repair - Building/Structures	200		200	
289	9366-432.30-24	Repair - Radio Equipment	300		300	
290	9366-432.30-26	Repair - Heating/Cooling	300		300	
291	9366-432.30-32	Repair - Pumps/Motors	1,000		1,000	
292	9366-432.30-33	Repair - Piping/Valves	-		-	
293	9366-432.30-34	Repair - Other Equipment	4,000		4,000	
294	9366-432.30-41	Repair - Manhole/Sewer Lines	40,000		40,000	
295	9366-432.30-42	Repairs - Street Repairs	10,000		10,000	
296		Recurring Budget Adjustment	-		-	
			68,800	-	68,800	
<b>Capital</b>						
297	9366-432.40-01	Vehicles	-	32,612	32,612	I
298	9366-432.40-08	Other Equipment	60,000	(60,000)	-	I
299	9366-432.40-63	Wastewater Construction	832,195	(750,052)	82,143	N
300	9366-432.40-99	Transfer to Assets	-		-	
301		Recurring Budget Adjustment	-		-	
			892,195	(777,440)	114,755	
<b>Total Wastewater Line Management Division</b>			<b>1,513,714</b>	<b>(711,551)</b>	<b>802,163</b>	
<b>Wastewater Treatment Plant Division</b>						
<b>Salaries, Wages &amp; Benefits</b>						
302	9370-432.10-01	Full Time	411,754		411,754	
303	9370-432.10-02	Part Time	17,134		17,134	
304	9370-432.10-03	Overtime	38,000		38,000	
305	9370-432.10-04	Allowance or Standby	-		-	
306	9370-432.10-21	Social Security	35,026		35,026	
307	9370-432.10-22	Retirement	26,986		26,986	
308	9370-432.10-23	Health Insurance	-	67,048	67,048	A
309	9370-432.10-25	Workers Compensation	2,500		2,500	
310		Recurring Budget Adjustment	-		-	
			531,400	67,048	598,448	
<b>Materials</b>						
311	9370-432.20-21	Motor Vehicle Repair Parts	20,000		20,000	
312	9370-432.20-22	Tractor & Machinery Parts	3,000		3,000	
313	9370-432.20-23	Building Materials	3,000		3,000	
314	9370-432.20-25	Instrument Parts	7,000		7,000	
315	9370-432.20-26	Heating/Cooling System Parts	800		800	
316	9370-432.20-32	Pumps & Motor Parts	5,700		5,700	
317	9370-432.20-33	Piping & Valves	4,500		4,500	
318	9370-432.20-34	Other Equipment Parts	12,000		12,000	
319	9370-432.20-42	Laboratory Supplies	20,000		20,000	
320	9370-432.20-46	Janitorial Supplies	2,500		2,500	
321	9370-432.20-49	Chemicals	2,000		2,000	
322	9370-432.20-51	Clothing & Uniforms	5,000		5,000	
323	9370-432.20-52	Food	500		500	
324	9370-432.20-53	Motor Vehicle Fuel & Oil	14,237		14,237	
325	9370-432.20-58	Tools	4,000		4,000	
326	9370-432.20-59	Minor Supplies	15,000		15,000	
327	9370-432.20-62	Safety Equipment/Training	6,500		6,500	
328		Recurring Budget Adjustment	-		-	
			125,737	-	125,737	
<b>Services</b>						
329	9370-432.30-01	Natural Gas	60,000		60,000	
330	9370-432.30-04	Telephone	250		250	
331	9370-432.30-12	Machinery Rental	2,500		2,500	
332	9370-432.30-13	Loan Payments	500		500	

			Budget FY 2009	Adjustments	Test Year	Comment
333	9370-432.30-21	Outside Repair - Cars/Trucks	500		500	
334	9370-432.30-22	Repair - Tractors/Machinery	2,000		2,000	
335	9370-432.30-24	Repair - Radio Equipment	200		200	
336	9370-432.30-26	Repair - Heating/Cooling	1,700		1,700	
337	9370-432.30-32	Repair - Pumps/Motors	11,000		11,000	
338	9370-432.30-33	Repair - Piping/Valves	5,000		5,000	
339	9370-432.30-34	Repair - Other Equipment	5,000		5,000	
340	9370-432.30-39	Repair - Electronic Equipment	20,000		20,000	
341	9370-432.30-70	Licenses & Fees	10,000		10,000	
342	9370-432.30-80	Lab Testing & Reporting	15,000		15,000	
343	9370-432.30-82	Misc. Services	40,000		40,000	
344	9370-432.30-85	Professional Services	5,000		5,000	
345		Recurring Budget Adjustment	-		-	
346		Electricity	-	316,091	316,091	G
			178,650	316,091	494,741	
		<b>Capital</b>				
347	9370-432.40-01	Vehicles	30,000	(22,005)	7,995	I
348	9370-432.40-08	Other Equipment	122,000	(73,695)	48,305	I
349	9370-432.40-41	Building & Structures	47,000	195,893	242,893	I
350	9370-432.40-99	Transfer to Assets	-		-	
351		Recurring Budget Adjustment	-		-	
			199,000	100,193	299,193	
		<b>Total Wastewater Treatment Plant Division</b>	<b>1,034,787</b>	<b>483,332</b>	<b>1,518,119</b>	
		<b>Total Wastewater Department</b>	<b>4,341,627</b>	<b>630,205</b>	<b>4,971,832</b>	
		<b><u>Miscellaneous and Non-Recurring</u></b>				
352	1	Water PAYG Capital	-	420,677	420,677	
353	2	Wastewater PAYG Capital	-	9,641	9,641	
			-	430,318	430,318	
		<b>GROSS REVENUE REQUIREMENT</b>	<b>13,236,650</b>	<b>2,969,427</b>	<b>16,206,077</b>	

			Budget FY 2009	Adjustments	Test Year	Comment
<b>Revenues</b>						
<b>Water Department</b>						
364	9200-340-47-61	Utility Sales	5,424,500	(5,424,500)	-	J
365	9275-340-47-61	Rural Water Corp #3 Utility Sales	400,000	(400,000)	-	J
366	9200-340-47-82	Meter Testing Charges	100		100	
367	9200-340-47-83	Per Acre Water Line Fee	100,000		100,000	
368	9200-340-47-84	Water Meters & Fittings	100,000		100,000	
369	9275-340-47-84	RWC#3 Water Meters & Fittings	-		-	
370	9200-340-47-85	Utility Tie-On Fees	50,000		50,000	
371	9200-363-46-92	Water Tower Rental	30,000		30,000	
372	9200-380-48-73	Miscellaneous	5,000		5,000	
373	0000-361-44-32	Interest on Now Accounts	31,000	(31,000)	-	K
374	0000-361-44-45	Interest on Treasuries	232,500	(232,500)	-	K
375	0000-361-44-50	Interest on CD's	-		-	
376	0000-361-44-51	Interest on LT Bond Fund	17,050	(17,050)	-	K
377	0000-365-48-90	Contributed Assets	-		-	
378	0000-368-44-67	Lease Payment Received	-	132,995	132,995	C
379		Transfer In - Existing Debt Service	-	3,011,785	3,011,785	M
380		Wholesale Customers	-	38,498	38,498	L
381		Transfer In - 1 Cent for O&M	-	718,944	718,944	H
382		Transfer In - Proposed Debt Service	-	-	-	
			6,390,150	(2,202,828)	4,187,322	
<b>Wastewater Department</b>						
383	9300-340-47-61	Utility Sales	4,312,000	(4,312,000)	-	J
384	9300-340-47-85	Utility Tie-On Fee	10,000		10,000	
385	9300-340-47-86	Water Closet Fee	100,000		100,000	
386	9372-380-48-15	Miscellaneous	-		-	
387	0000-361-44-32	Interest on Now Accounts	8,000	(8,000)	-	K
388	0000-361-44-45	Interest on Treasuries	60,000	(60,000)	-	K
389	0000-361-44-50	Interest on CD's	-		-	
390	0000-361-44-51	Interest on LT Bond Fund	4,400	(4,400)	-	K
391	0000-365-48-90	Contributed Assets	-		-	
392	0000-368-44-67	Lease Payment Received	-	34,321	34,321	C
393		Transfer In - Existing Debt Service	-	1,553,854	1,553,854	M
394		Transfer In - 1 Cent for O&M	-	185,534	185,534	H
395		Transfer In - Proposed Debt Service	-	-	-	
			4,494,400	(2,610,691)	1,883,709	

**NET REVENUE REQUIREMENT 10,135,045**

**Comment Legend**

- A Per City staff
- B Moved "Loan Payments" to Water Administration Division - Debt Related Expenses
- C "Lease Payment Received" based on capital leases entered on the "Existing Bonds" worksheet
- D Consolidated into one principal and one interest payment as summarized on the "Existing Debt" worksheet
- E Total Water and Wastewater debt service and capital leases, including a portion of debt assigned to all SUA
- F Electricity provided to Water by SUA, based on FY 2008 data; includes the WTP, towers, and pump stations
- G Electricity provided to Wastewater by SUA, based on FY 2008 data; includes the WWTP and various lift stations
- H "Transfer In" amount above debt service has been allocated to 31% to Water and 8% Wastewater
- I Test Year equal to average of FY 2006, FY 2007, and FY 2008 Actuals
- J To be determined by cost of service
- K Interest to remain in reserve funds rather than offset operating costs
- L Wholesale customer revenue is a revenue offset to the retail cost of service
- M Covers the portion of existing debt service allocated to Water and Wastewater (excludes capital lease reimbursement)
- N Test Year equal to average of FY 2006, FY 2007, and FY 2008 Actuals without main repair and replacement projects

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	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019		
<b>Water Department</b>													
<b>Transfers Out</b>													
1	0000-480.60-01	General Fund Transfer	2,555,628	2,730,433	2,917,194	3,116,731	3,329,915	3,557,681	3,801,027	4,061,017	4,338,790	4,635,564	4,952,636
<b>Water Administration Division</b>													
<b>Salaries, Wages &amp; Benefits</b>													
2	9210-495.10-01	Full Time	162,081	168,564	175,307	182,319	189,612	197,196	205,084	213,288	221,819	230,692	239,919
3	9210-495.10-03	Overtime	-	-	-	-	-	-	-	-	-	-	-
4	9210-495.10-04	Allowance/Standby	391	407	423	440	457	476	495	515	535	557	579
5	9210-495.10-21	Social Security	12,221	12,710	13,218	13,747	14,297	14,869	15,463	16,082	16,725	17,394	18,090
6	9210-495.10-22	Retirement	9,725	10,114	10,519	10,939	11,377	11,832	12,305	12,797	13,309	13,842	14,395
7	9210-495.10-23	Health Insurance	57,883	60,777	63,816	67,007	70,357	73,875	77,568	81,447	85,519	89,795	94,285
8		Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
			242,301	252,572	263,282	274,452	286,100	298,247	310,916	324,128	337,908	352,279	367,269
<b>Materials</b>													
9	9210-495.20-21	Motor Vehicle Repair Parts	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
10	9210-495.20-41	Office Supplies	6,000	6,150	6,304	6,461	6,623	6,788	6,958	7,132	7,310	7,493	7,681
11	9210-495.20-44	Stamps/Postage	200	205	210	215	221	226	232	238	244	250	256
12	9210-495.20-50	Books/Publications	500	513	525	538	552	566	580	594	609	624	640
13	9210-495.20-51	Clothing/Uniforms	700	718	735	754	773	792	812	832	853	874	896
14	9210-495.20-52	Food	1,741	1,785	1,829	1,875	1,922	1,970	2,019	2,070	2,121	2,174	2,229
15	9210-495.20-53	Motor Vehicle Fuel & Oil	1,200	1,236	1,273	1,311	1,351	1,391	1,433	1,476	1,520	1,566	1,613
16	9210-495.20-59	Minor Supplies	400	410	420	431	442	453	464	475	487	500	512
17		Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
			11,741	12,041	12,348	12,663	12,986	13,317	13,657	14,006	14,363	14,730	15,106
<b>Services</b>													
18	9210-495.30-02	Purchased Water	74,000	74,000	74,000	74,000	74,000	74,000	74,000	74,000	74,000	74,000	74,000
19	9210-495.30-04	Telephone	2,000	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,437	2,498	2,560
20	9210-495.30-08	Kaw Dam Authority Fee	-	-	-	-	-	-	-	-	-	-	-
21	9210-495.30-14	Land Rental - Temp Easement	13,300	13,633	13,973	14,323	14,681	15,048	15,424	15,810	16,205	16,610	17,025
22	9210-495.30-21	Outside Repair - Cars/Trucks	500	513	525	538	552	566	580	594	609	624	640
23	9210-495.30-34	Repair - Other Equipment	300	308	315	323	331	339	348	357	366	375	384
24	9210-495.30-72	Dues & Subscription	2,100	2,153	2,206	2,261	2,318	2,376	2,435	2,496	2,559	2,623	2,688
25	9210-495.30-73	In-Service Training	9,000	9,225	9,456	9,692	9,934	10,183	10,437	10,698	10,966	11,240	11,521
26	9210-495.30-75	Advertising/Legal Publications	800	820	841	862	883	905	928	951	975	999	1,024
27	9210-495.30-82	Misc. Services	7,530	7,718	7,911	8,109	8,312	8,520	8,732	8,951	9,175	9,404	9,639
28	9210-495.30-84	Travel Expense	2,000	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,437	2,498	2,560
29	9210-495.30-85	Professional Services	30,000	30,750	31,519	32,307	33,114	33,942	34,791	35,661	36,552	37,466	38,403
30	9210-495.30-94	Interest - Customer Deposits	15,500	15,888	16,285	16,692	17,109	17,537	17,975	18,425	18,885	19,357	19,841
31		Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
			157,030	159,106	161,233	163,414	165,650	167,941	170,289	172,697	175,164	177,693	180,285
<b>Capital</b>													
32	9210-495.40-10	Other Contracts	72,168	74,333	76,563	78,860	81,226	83,662	86,172	88,758	91,420	94,163	96,988
33		Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
			72,168	74,333	76,563	78,860	81,226	83,662	86,172	88,758	91,420	94,163	96,988
<b>Debt Related Expenses</b>													
34	9210-495.50-70	Principal- 2002 Rev Bonds	-	-	-	-	-	-	-	-	-	-	-
35	9210-495.50-72	Principal - Water Plant	-	-	-	-	-	-	-	-	-	-	-
36	9210-495.50-75	Principal - 2005 Rev Bonds	-	-	-	-	-	-	-	-	-	-	-
37	9210-495.50-80	Interest Expense - WTP Perm	-	-	-	-	-	-	-	-	-	-	-
38	9210-495.50-81	Interest Expense - 2002 Rev Bonds	-	-	-	-	-	-	-	-	-	-	-
39	9210-495.50-82	Interest Expense - KAW Bonds	-	-	-	-	-	-	-	-	-	-	-

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	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019	
40	9210-495.50-86	6,104	6,287	6,476	6,670	6,870	7,076	7,288	7,507	7,732	7,964	8,203
41	9210-495.50-89	-	-	-	-	-	-	-	-	-	-	-
42	9210-495.50-95	-	-	-	-	-	-	-	-	-	-	-
43		-	-	-	-	-	-	-	-	-	-	-
44		2,806,547	2,127,545	1,653,548	1,673,715	1,045,780	429,323	414,024	424,874	300,874	170,674	170,674
45		374,364	262,543	193,050	120,451	63,338	37,472	27,151	17,259	6,940	3,679	2,814
46		-	-	-	-	-	-	-	-	-	-	-
47		-	-	-	-	-	-	-	-	-	-	-
		3,187,015	2,396,375	1,853,073	1,800,836	1,115,988	473,871	448,464	449,641	315,546	182,317	181,691
<b>Interfund Transfers</b>												
48	9210-495.60-10	149,524	154,010	158,630	163,389	168,291	173,339	178,539	183,896	189,413	195,095	200,948
49	9210-495.60-20	132,446	136,419	140,512	144,727	149,069	153,541	158,147	162,892	167,779	172,812	177,996
50		-	-	-	-	-	-	-	-	-	-	-
		281,970	290,429	299,142	308,116	317,360	326,881	336,687	346,788	357,191	367,907	378,944
<b>Noncash Expenses</b>												
51	9200-494.70-94	-	-	-	-	-	-	-	-	-	-	-
52	9210-495.70-95	-	-	-	-	-	-	-	-	-	-	-
53		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
<b>Total Water Administration Division</b>		<b>3,952,225</b>	<b>3,184,855</b>	<b>2,665,641</b>	<b>2,638,341</b>	<b>1,979,309</b>	<b>1,363,920</b>	<b>1,366,186</b>	<b>1,396,017</b>	<b>1,291,593</b>	<b>1,189,090</b>	<b>1,220,283</b>
<b>Water Line Management Division</b>												
<b>Salaries, Wages &amp; Benefits</b>												
54	9266-495.10-01	491,054	510,696	531,124	552,369	574,464	597,442	621,340	646,194	672,041	698,923	726,880
55	9266-495.10-02	-	-	-	-	-	-	-	-	-	-	-
56	9266-495.10-03	99,000	102,960	107,078	111,362	115,816	120,449	125,267	130,277	135,488	140,908	146,544
57	9266-495.10-04	782	813	846	880	915	951	989	1,029	1,070	1,113	1,158
58	9266-495.10-21	50,639	52,665	54,771	56,962	59,240	61,610	64,074	66,637	69,303	72,075	74,958
59	9266-495.10-22	40,326	41,939	43,617	45,361	47,176	49,063	51,025	53,066	55,189	57,396	59,692
60	9266-495.10-23	149,229	156,691	164,525	172,752	181,389	190,459	199,982	209,981	220,480	231,504	243,079
61	9266-495.10-25	700	728	757	787	819	852	886	921	958	996	1,036
62		-	-	-	-	-	-	-	-	-	-	-
		831,730	866,492	902,719	940,473	979,819	1,020,826	1,063,563	1,108,106	1,154,530	1,202,916	1,253,347
<b>Materials</b>												
63	9266-495.20-01	-	-	-	-	-	-	-	-	-	-	-
64	9266-495.20-17	40,000	41,000	42,025	43,076	44,153	45,256	46,388	47,547	48,736	49,955	51,203
65	9266-495.20-21	50,000	51,250	52,531	53,845	55,191	56,570	57,985	59,434	60,920	62,443	64,004
66	9266-495.20-22	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
67	9266-495.20-23	900	923	946	969	993	1,018	1,044	1,070	1,097	1,124	1,152
68	9266-495.20-26	100	103	105	108	110	113	116	119	122	125	128
69	9266-495.20-32	300	308	315	323	331	339	348	357	366	375	384
70	9266-495.20-33	300,000	307,500	315,188	323,067	331,144	339,422	347,908	356,606	365,521	374,659	384,025
71	9266-495.20-34	4,200	4,305	4,413	4,523	4,636	4,752	4,871	4,992	5,117	5,245	5,376
72	9266-495.20-41	300	308	315	323	331	339	348	357	366	375	384
73	9266-495.20-46	1,100	1,128	1,156	1,185	1,214	1,245	1,276	1,308	1,340	1,374	1,408
74	9266-495.20-47	18,500	18,963	19,437	19,922	20,421	20,931	21,454	21,991	22,540	23,104	23,682
75	9266-495.20-51	9,000	9,225	9,456	9,692	9,934	10,183	10,437	10,698	10,966	11,240	11,521
76	9266-495.20-52	1,400	1,435	1,471	1,508	1,545	1,584	1,624	1,664	1,706	1,748	1,792
77	9266-495.20-53	61,022	62,853	64,738	66,680	68,681	70,741	72,863	75,049	77,301	79,620	82,008
78	9266-495.20-58	6,000	6,150	6,304	6,461	6,623	6,788	6,958	7,132	7,310	7,493	7,681
79	9266-495.20-59	12,900	13,223	13,553	13,892	14,239	14,595	14,960	15,334	15,717	16,110	16,513
80	9266-495.20-62	6,000	6,150	6,304	6,461	6,623	6,788	6,958	7,132	7,310	7,493	7,681

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			Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
81	9266-495.20-87	Meters	125,000	128,125	131,328	134,611	137,977	141,426	144,962	148,586	152,300	156,108	160,011
82	9266-495.20-95	Valves	3,000	3,075	3,152	3,231	3,311	3,394	3,479	3,566	3,655	3,747	3,840
83		Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
			640,722	657,045	673,786	690,954	708,561	726,619	745,138	764,130	783,609	803,586	824,073
		<b>Services</b>											
84	9266-495.30-01	Natural Gas	3,500	3,605	3,713	3,825	3,939	4,057	4,179	4,305	4,434	4,567	4,704
85	9266-495.30-04	Telephone	3,300	3,383	3,467	3,554	3,643	3,734	3,827	3,923	4,021	4,121	4,224
86	9266-495.30-11	Office Equipment Rental	5,000	5,125	5,253	5,384	5,519	5,657	5,798	5,943	6,092	6,244	6,400
87	9266-495.30-12	Machinery Rental	2,600	2,665	2,732	2,800	2,870	2,942	3,015	3,091	3,168	3,247	3,328
88	9266-495.30-13	Loan Payments	-	-	-	-	-	-	-	-	-	-	-
89	9266-495.30-21	Outside Repair - Cars/Trucks	500	513	525	538	552	566	580	594	609	624	640
90	9266-495.30-22	Repair - Tractors/Machinery	700	718	735	754	773	792	812	832	853	874	896
91	9266-495.30-23	Repair - Building/Structures	300	308	315	323	331	339	348	357	366	375	384
92	9266-495.30-24	Repair - Radio Equipment	500	513	525	538	552	566	580	594	609	624	640
93	9266-495.30-26	Repair - Heating/Cooling	100	103	105	108	110	113	116	119	122	125	128
94	9266-495.30-32	Repair - Pumps/Motors	500	513	525	538	552	566	580	594	609	624	640
95	9266-495.30-33	Repair - Piping/Valves	11,000	11,275	11,557	11,846	12,142	12,445	12,757	13,076	13,402	13,737	14,081
96	9266-495.30-34	Repair - Other Equipment	700	718	735	754	773	792	812	832	853	874	896
97	9266-495.30-42	Repairs - Street Repairs	110,000	112,750	115,569	118,458	121,419	124,455	127,566	130,755	134,024	137,375	140,809
98	9266-495.30-80	Lab Testing & Reporting	15,000	15,375	15,759	16,153	16,557	16,971	17,395	17,830	18,276	18,733	19,201
99	9266-495.30-82	Misc. Services	50,000	51,250	52,531	53,845	55,191	56,570	57,985	59,434	60,920	62,443	64,004
100	9266-495.30-85	Professional Services	2,000	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,437	2,498	2,560
101		Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
			205,700	210,860	216,150	221,572	227,130	232,828	238,669	244,657	250,795	257,087	263,537
		<b>Capital</b>											
102	9266-495.40-01	Vehicles	67,453	69,477	71,561	73,708	75,919	78,197	80,542	82,959	85,448	88,011	90,651
103	9266-495.40-08	Other Equipment	27,938	28,777	29,640	30,529	31,445	32,388	33,360	34,361	35,392	36,453	37,547
104	9266-495.40-41	Building and Structures	30,061	30,963	31,892	32,848	33,834	34,849	35,894	36,971	38,080	39,223	40,399
105	9266-495.40-62	Water Construction	274,953	283,202	291,698	300,449	309,462	318,746	328,308	338,158	348,302	358,751	369,514
106	9266-495.40-65	Water Lines: Fire Flows	7,707	7,938	8,176	8,421	8,674	8,934	9,202	9,478	9,763	10,056	10,357
107	9266-495.40-99	Transfer to Assets	-	-	-	-	-	-	-	-	-	-	-
108		Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
			408,112	420,355	432,966	445,955	459,334	473,114	487,307	501,926	516,984	532,494	548,469
		<b>Total Water Line Management Division</b>	<b>2,086,265</b>	<b>2,154,753</b>	<b>2,225,620</b>	<b>2,298,953</b>	<b>2,374,844</b>	<b>2,453,386</b>	<b>2,534,677</b>	<b>2,618,819</b>	<b>2,705,918</b>	<b>2,796,082</b>	<b>2,889,426</b>
		<b>Water Treatment Plant Division</b>											
		<b>Salaries, Wages &amp; Benefits</b>											
109	9270-495.10-01	Full Time	417,652	434,358	451,732	469,802	488,594	508,138	528,463	549,602	571,586	594,449	618,227
110	9270-495.10-02	Part Time	-	-	-	-	-	-	-	-	-	-	-
111	9270-495.10-03	Overtime	43,000	44,720	46,509	48,369	50,304	52,316	54,409	56,585	58,848	61,202	63,651
112	9270-495.10-04	Allowance or Standby	782	813	846	880	915	951	989	1,029	1,070	1,113	1,158
113	9270-495.10-05	Social Security	31,489	32,749	34,059	35,421	36,838	38,311	39,844	41,437	43,095	44,819	46,611
114	9270-495.10-06	Retirement	25,059	26,061	27,104	28,188	29,315	30,488	31,708	32,976	34,295	35,667	37,093
115	9270-495.10-07	Health Insurance	89,319	93,784	98,474	103,397	108,567	113,996	119,695	125,680	131,964	138,562	145,491
116	9270-495.10-08	Worker's Compensation	19,500	20,280	21,091	21,935	22,812	23,725	24,674	25,661	26,687	27,755	28,865
117		Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
			626,801	652,766	679,814	707,992	737,345	767,925	799,782	832,970	867,545	903,567	941,095
		<b>Materials</b>											
118	9270-495.20-21	Motor Vehicle Repair Parts	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	12,184	12,489	12,801
119	9270-495.20-22	Tractor & Machinery Parts	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
120	9270-495.20-23	Building Materials	3,000	3,075	3,152	3,231	3,311	3,394	3,479	3,566	3,655	3,747	3,840
121	9270-495.20-25	Instrument Parts	20,000	20,500	21,013	21,538	22,076	22,628	23,194	23,774	24,368	24,977	25,602

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	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
122 9270-495.20-26 Heating/Cooling System Parts	2,000	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,437	2,498	2,560
123 9270-495.20-32 Pumps & Motor Parts	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	12,184	12,489	12,801
124 9270-495.20-33 Piping & Valves	7,000	7,175	7,354	7,538	7,727	7,920	8,118	8,321	8,529	8,742	8,961
125 9270-495.20-34 Other Equipment Parts	20,000	20,500	21,013	21,538	22,076	22,628	23,194	23,774	24,368	24,977	25,602
126 9270-495.20-42 Laboratory Supplies	7,000	7,175	7,354	7,538	7,727	7,920	8,118	8,321	8,529	8,742	8,961
127 9270-495.20-46 Janitorial Supplies	2,500	2,563	2,627	2,692	2,760	2,829	2,899	2,972	3,046	3,122	3,200
128 9270-495.20-47 Concrete/Sand/Asphalt	1,500	1,538	1,576	1,615	1,656	1,697	1,740	1,783	1,828	1,873	1,920
129 9270-495.20-49 Chemicals	275,000	297,000	320,760	346,421	374,134	404,065	436,390	471,302	509,006	549,726	593,704
130 9270-495.20-51 Clothing & Uniforms	6,000	6,150	6,304	6,461	6,623	6,788	6,958	7,132	7,310	7,493	7,681
131 9270-495.20-52 Food	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
132 9270-495.20-53 Motor Vehicle Fuel & Oil	26,584	27,382	28,203	29,049	29,921	30,818	31,743	32,695	33,676	34,686	35,727
133 9270-495.20-58 Tools	4,500	4,613	4,728	4,846	4,967	5,091	5,219	5,349	5,483	5,620	5,760
134 9270-495.20-59 Minor Supplies	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	12,184	12,489	12,801
135 9270-495.20-62 Gloves/Safety Equipment	2,500	2,563	2,627	2,692	2,760	2,829	2,899	2,972	3,046	3,122	3,200
136 - Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
	409,584	435,082	462,430	491,774	523,267	557,075	593,380	632,375	674,269	719,290	767,680
<b>Services</b>											
137 9270-495.30-01 Natural Gas	6,000	6,180	6,365	6,556	6,753	6,956	7,164	7,379	7,601	7,829	8,063
138 9270-495.30-03 Electricity	484,427	498,960	513,929	529,346	545,227	561,584	578,431	595,784	613,658	632,067	651,029
139 9270-495.30-04 Telephone	8,000	8,200	8,405	8,615	8,831	9,051	9,278	9,509	9,747	9,991	10,241
140 9270-495.30-12 Machinery Rental	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
141 9270-495.30-13 Loan Payments	-	-	-	-	-	-	-	-	-	-	-
142 9270-495.30-21 Outside Repair - Cars/Trucks	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
143 9270-495.30-22 Repair - Tractors/Machinery	500	513	525	538	552	566	580	594	609	624	640
144 9270-495.30-24 Repair - Radio Equipment	300	308	315	323	331	339	348	357	366	375	384
145 9270-495.30-26 Repair - Heating/Cooling	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
146 9270-495.30-32 Repair - Pumps/Motors	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	12,184	12,489	12,801
147 9270-495.30-33 Repair - Piping/Valves	2,000	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,437	2,498	2,560
148 9270-495.30-34 Repair - Other Equipment	2,000	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,437	2,498	2,560
149 9270-495.30-39 Repair - Electronic Equipment	5,000	5,125	5,253	5,384	5,519	5,657	5,798	5,943	6,092	6,244	6,400
150 9270-495.30-80 Lab Testing and Reporting	20,000	20,500	21,013	21,538	22,076	22,628	23,194	23,774	24,368	24,977	25,602
151 9270-495.30-82 Misc. Services	35,000	35,875	36,772	37,691	38,633	39,599	40,589	41,604	42,644	43,710	44,803
152 9270-495.30-85 Professional Services	8,000	8,200	8,405	8,615	8,831	9,051	9,278	9,509	9,747	9,991	10,241
153 - Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
	584,227	601,285	618,843	636,915	655,518	674,665	694,375	714,662	735,544	757,039	779,165
<b>Capital</b>											
154 9270-495.40-01 Vehicles	11,249	11,586	11,934	12,292	12,661	13,041	13,432	13,835	14,250	14,677	15,118
155 9270-495.40-03 Radio/Communication Equipment	-	-	-	-	-	-	-	-	-	-	-
156 9270-495.40-08 Other Equipment	8,925	9,192	9,468	9,752	10,045	10,346	10,657	10,976	11,306	11,645	11,994
157 9270-495.40-10 Other Contracts	51,619	53,168	54,763	56,406	58,098	59,841	61,636	63,485	65,390	67,352	69,372
158 9270-495.40-41 Building & Structures	6,918	7,126	7,340	7,560	7,787	8,020	8,261	8,509	8,764	9,027	9,298
159 9270-495.40-53 Concrete/Asphalt	-	-	-	-	-	-	-	-	-	-	-
160 9270-495.40-62 Water Construction	93,904	96,721	99,623	102,611	105,690	108,860	112,126	115,490	118,955	122,523	126,199
161 9270-495.40-99 Transfer to Assets	-	-	-	-	-	-	-	-	-	-	-
162 - Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
	172,615	177,794	183,128	188,621	194,280	200,108	206,112	212,295	218,664	225,224	231,981
<b>Total Water Treatment Plant Division</b>	<b>1,793,227</b>	<b>1,866,926</b>	<b>1,944,215</b>	<b>2,025,302</b>	<b>2,110,410</b>	<b>2,199,774</b>	<b>2,293,648</b>	<b>2,392,302</b>	<b>2,496,023</b>	<b>2,605,120</b>	<b>2,719,921</b>
<b>Rural Water Corp #3</b>											
<b>Salaries, Wages &amp; Benefits</b>											
163 9275-495.10-01 Full Time	90,919	94,556	98,338	102,272	106,362	110,617	115,042	119,643	124,429	129,406	134,582
164 9275-495.10-03 Overtime	15,000	15,600	16,224	16,873	17,548	18,250	18,980	19,739	20,529	21,350	22,204
165 9275-495.10-04 Allowance or Standby	-	-	-	-	-	-	-	-	-	-	-

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	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
166 9275-495.10-21 Social Security	10,197	10,605	11,029	11,470	11,929	12,406	12,902	13,419	13,955	14,514	15,094
167 9275-495.10-22 Retirement	8,035	8,356	8,691	9,038	9,400	9,776	10,167	10,574	10,996	11,436	11,894
168 9275-495.10-23 Health Insurance	18,965	19,913	20,908	21,954	23,052	24,204	25,414	26,685	28,019	29,420	30,891
169 Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
	143,116	149,030	155,190	161,607	168,291	175,253	182,505	190,059	197,929	206,126	214,665
<b>Materials</b>											
170 9275-495.20-17 Hydrants	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	12,184	12,489	12,801
171 9275-495.20-21 Motor Vehicle Repair Parts	5,000	5,125	5,253	5,384	5,519	5,657	5,798	5,943	6,092	6,244	6,400
172 9275-495.20-22 Tractor & Machinery Parts	2,000	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,437	2,498	2,560
173 9275-495.20-23 Building Materials	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
174 9275-495.20-26 Heating/Cooling System Parts	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
175 9275-495.20-32 Pumps & Motor Parts	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	12,184	12,489	12,801
176 9275-495.20-33 Piping & Valves	35,000	35,875	36,772	37,691	38,633	39,599	40,589	41,604	42,644	43,710	44,803
177 9275-495.20-34 Other Equipment Parts	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
178 9275-495.20-35 Propane	-	-	-	-	-	-	-	-	-	-	-
179 9275-495.20-41 Office Supplies	500	513	525	538	552	566	580	594	609	624	640
180 9275-495.20-47 Concrete/Sand/Asphalt	4,000	4,100	4,203	4,308	4,415	4,526	4,639	4,755	4,874	4,995	5,120
181 9275-495.20-49 Chemicals	5,000	5,400	5,832	6,299	6,802	7,347	7,934	8,569	9,255	9,995	10,795
182 9275-495.20-51 Clothing & Uniforms	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
183 9275-495.20-52 Food	1,200	1,230	1,261	1,292	1,325	1,358	1,392	1,426	1,462	1,499	1,536
184 9275-495.20-53 Motor Vehicle Fuel & Oil	10,000	10,300	10,609	10,927	11,255	11,593	11,941	12,299	12,668	13,048	13,439
185 9275-495.20-58 Tools	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
186 9275-495.20-59 Minor Supplies	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	12,184	12,489	12,801
187 9275-495.20-62 Gloves/Safety Equipment	500	513	525	538	552	566	580	594	609	624	640
188 9275-495.20-87 Meters	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	12,184	12,489	12,801
189 9275-495.20-95 Valves	5,000	5,125	5,253	5,384	5,519	5,657	5,798	5,943	6,092	6,244	6,400
190 Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
	113,200	116,355	119,612	122,976	126,452	130,044	133,757	137,597	141,570	145,681	149,938
<b>Services</b>											
191 9275-495.30-03 Electricity	12,000	12,360	12,731	13,113	13,506	13,911	14,329	14,758	15,201	15,657	16,127
192 9275-495.30-04 Telephone	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
193 9275-495.30-12 Machinery Rental	3,000	3,075	3,152	3,231	3,311	3,394	3,479	3,566	3,655	3,747	3,840
194 9275-495.30-15 Other Rentals	-	-	-	-	-	-	-	-	-	-	-
195 9275-495.30-21 Outside Repair - Cars/Trucks	1,200	1,230	1,261	1,292	1,325	1,358	1,392	1,426	1,462	1,499	1,536
196 9275-495.30-22 Repair - Tractors/Machinery	2,000	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,437	2,498	2,560
197 9275-495.30-23 Repair - Building/Structures	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
198 9275-495.30-24 Repair - Radio Equipment	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
199 9275-495.30-26 Repair - Heating/Cooling	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
200 9275-495.30-32 Repair - Pumps/Motors	32,000	32,800	33,620	34,461	35,322	36,205	37,110	38,038	38,989	39,964	40,963
201 9275-495.30-33 Repair - Piping/Valves	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	12,184	12,489	12,801
202 9275-495.30-34 Repair - Other Equipment	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	12,184	12,489	12,801
203 9275-495.30-42 Repairs - Street Repairs	5,000	5,125	5,253	5,384	5,519	5,657	5,798	5,943	6,092	6,244	6,400
204 9275-495.30-80 Lab Testing & Reporting	5,000	5,125	5,253	5,384	5,519	5,657	5,798	5,943	6,092	6,244	6,400
205 9275-495.30-82 Misc. Services	5,000	5,125	5,253	5,384	5,519	5,657	5,798	5,943	6,092	6,244	6,400
206 9275-495.30-85 Professional Services	5,000	5,125	5,253	5,384	5,519	5,657	5,798	5,943	6,092	6,244	6,400
207 Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
	94,200	96,615	99,092	101,633	104,240	106,913	109,655	112,468	115,354	118,314	121,350
<b>Capital</b>											
208 9275-495.40-10 Other Contracts	-	-	-	-	-	-	-	-	-	-	-
209 9275-495.40-62 Water Construction	66,067	68,049	70,091	72,193	74,359	76,590	78,888	81,254	83,692	86,203	88,789
210 Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
	66,067	68,049	70,091	72,193	74,359	76,590	78,888	81,254	83,692	86,203	88,789

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	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
<b>Total Rural Water Corp #3 Division</b>	<b>416,583</b>	<b>430,049</b>	<b>443,985</b>	<b>458,410</b>	<b>473,341</b>	<b>488,799</b>	<b>504,805</b>	<b>521,379</b>	<b>538,544</b>	<b>556,323</b>	<b>574,742</b>
<b>Total Water Department</b>	<b>10,803,927</b>	<b>10,367,015</b>	<b>10,196,656</b>	<b>10,537,737</b>	<b>10,267,818</b>	<b>10,063,560</b>	<b>10,500,342</b>	<b>10,989,533</b>	<b>11,370,868</b>	<b>11,782,178</b>	<b>12,357,008</b>
<b>Miscellaneous and Non-Recurring</b>											
352 1 Water PAYG Capital	420,677	433,297	446,296	459,685	473,476	487,680	502,310	517,380	532,901	548,888	565,355
353 2 Wastewater PAYG Capital	-	-	-	-	-	-	-	-	-	-	-
	420,677	433,297	446,296	459,685	473,476	487,680	502,310	517,380	532,901	548,888	565,355
<b>GROSS REVENUE REQUIREMENT</b>	<b>11,224,604</b>	<b>10,800,313</b>	<b>10,642,952</b>	<b>10,997,422</b>	<b>10,741,294</b>	<b>10,551,240</b>	<b>11,002,653</b>	<b>11,506,913</b>	<b>11,903,769</b>	<b>12,331,066</b>	<b>12,922,362</b>
<b>Revenues</b>											
<b>Water Department</b>											
364 9200-340-47-61 Utility Sales	-	-	-	-	-	-	-	-	-	-	-
365 9275-340-47-61 Rural Water Corp #3 Utility Sales	-	-	-	-	-	-	-	-	-	-	-
366 9200-340-47-82 Meter Testing Charges	100	100	100	100	100	100	100	100	100	100	100
367 9200-340-47-83 Per Acre Water Line Fee	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
368 9200-340-47-84 Water Meters & Fittings	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
369 9275-340-47-84 RWC#3 Water Meters & Fittings	-	-	-	-	-	-	-	-	-	-	-
370 9200-340-47-85 Utility Tie-On Fees	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
371 9200-363-46-92 Water Tower Rental	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
372 9200-380-48-73 Miscellaneous	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
373 0000-361-44-32 Interest on Now Accounts	-	-	-	-	-	-	-	-	-	-	-
374 0000-361-44-45 Interest on Treasuries	-	-	-	-	-	-	-	-	-	-	-
375 0000-361-44-50 Interest on CD's	-	-	-	-	-	-	-	-	-	-	-
376 0000-361-44-51 Interest on LT Bond Fund	-	-	-	-	-	-	-	-	-	-	-
377 0000-365-48-90 Contributed Assets	-	-	-	-	-	-	-	-	-	-	-
378 0000-368-44-67 Lease Payment Received	132,995	56,875	46,217	28,958	25,356	25,356	-	-	-	-	-
379 Transfer In - Existing Debt Service	3,011,785	2,297,082	1,764,250	1,765,209	1,083,762	441,439	441,175	442,134	307,814	174,353	173,488
380 Wholesale Customers	38,498	38,498	38,498	39,780	39,780	39,780	41,482	43,383	44,880	46,491	48,720
381 Transfer In - 1 Cent for O&M	718,944	808,303	902,935	991,611	1,619,853	2,220,875	2,322,133	2,427,403	2,536,881	2,650,701	2,769,047
382 Transfer In - Proposed Debt Service	-	-	-	-	-	-	-	-	-	-	-
	4,187,322	3,485,858	3,037,000	3,110,658	3,053,852	3,012,551	3,089,890	3,198,020	3,174,675	3,156,645	3,276,355
<b>NET REVENUE REQUIREMENT</b>	<b>7,037,282</b>	<b>7,314,455</b>	<b>7,605,952</b>	<b>7,886,765</b>	<b>7,687,443</b>	<b>7,538,690</b>	<b>7,912,762</b>	<b>8,308,893</b>	<b>8,729,094</b>	<b>9,174,421</b>	<b>9,646,007</b>
Change (year-over-year)		3.94%	3.99%	3.69%	-2.53%	-1.94%	4.96%	5.01%	5.06%	5.10%	5.14%

City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
<b>Total Water Department <sup>1</sup></b>	<b>10,803,927</b>	<b>10,367,015</b>	<b>10,196,656</b>	<b>10,537,737</b>	<b>10,267,818</b>	<b>10,063,560</b>	<b>10,500,342</b>	<b>10,989,533</b>	<b>11,370,868</b>	<b>11,782,178</b>	<b>12,357,008</b>
<b>Miscellaneous and Non-Recurring</b>											
352 1 Water PAYG Capital	420,677	780,519	1,607,869	2,484,158	3,411,577	4,392,406	4,524,178	4,659,904	4,799,701	4,943,692	5,092,002
353 2 Wastewater PAYG Capital	-	-	-	-	-	-	-	-	-	-	-
	420,677	780,519	1,607,869	2,484,158	3,411,577	4,392,406	4,524,178	4,659,904	4,799,701	4,943,692	5,092,002
<b>GROSS REVENUE REQUIREMENT</b>	<b>11,224,604</b>	<b>11,147,534</b>	<b>11,804,525</b>	<b>13,021,895</b>	<b>13,679,396</b>	<b>14,455,966</b>	<b>15,024,521</b>	<b>15,649,436</b>	<b>16,170,568</b>	<b>16,725,870</b>	<b>17,449,010</b>
<b>Revenues</b>											
<b>Water Department</b>											
364 9200-340-47-61 Utility Sales	-	-	-	-	-	-	-	-	-	-	-
365 9275-340-47-61 Rural Water Corp #3 Utility Sales	-	-	-	-	-	-	-	-	-	-	-
366 9200-340-47-82 Meter Testing Charges	100	100	100	100	100	100	100	100	100	100	100
367 9200-340-47-83 Per Acre Water Line Fee	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
368 9200-340-47-84 Water Meters & Fittings	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
369 9275-340-47-84 RWC#3 Water Meters & Fittings	-	-	-	-	-	-	-	-	-	-	-
370 9200-340-47-85 Utility Tie-On Fees	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
371 9200-363-46-92 Water Tower Rental	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
372 9200-380-48-73 Miscellaneous	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
373 0000-361-44-32 Interest on Now Accounts	-	-	-	-	-	-	-	-	-	-	-
374 0000-361-44-45 Interest on Treasuries	-	-	-	-	-	-	-	-	-	-	-
375 0000-361-44-50 Interest on CD's	-	-	-	-	-	-	-	-	-	-	-
376 0000-361-44-51 Interest on LT Bond Fund	-	-	-	-	-	-	-	-	-	-	-
377 0000-365-48-90 Contributed Assets	-	-	-	-	-	-	-	-	-	-	-
378 0000-368-44-67 Lease Payment Received	132,995	56,875	46,217	28,958	25,356	25,356	-	-	-	-	-
379 Transfer In - Existing Debt Service	3,011,785	2,297,082	1,764,250	1,765,209	1,083,762	441,439	441,175	442,134	307,814	174,353	173,488
380 Wholesale Customers	38,498	38,498	40,767	44,971	47,242	49,924	51,887	54,045	55,845	57,763	60,260
381 Transfer In - 1 Cent for O&M	718,944	808,303	902,935	991,611	1,619,853	2,220,875	2,322,133	2,427,403	2,536,881	2,650,701	2,769,047
382 Transfer In - Proposed Debt Service	-	-	-	-	-	-	-	-	-	-	-
	4,187,322	3,485,858	3,039,269	3,115,849	3,061,313	3,022,694	3,100,295	3,208,682	3,185,641	3,167,917	3,287,895
<b>NET REVENUE REQUIREMENT</b>	<b>7,037,282</b>	<b>7,661,677</b>	<b>8,765,257</b>	<b>9,906,047</b>	<b>10,618,083</b>	<b>11,433,272</b>	<b>11,924,225</b>	<b>12,440,755</b>	<b>12,984,928</b>	<b>13,557,953</b>	<b>14,161,115</b>
Change (year-over-year)		8.87%	14.40%	13.01%	7.19%	7.68%	4.29%	4.33%	4.37%	4.41%	4.45%

Notes:

<sup>1</sup> Line item detail supporting these amounts are provided in Schedule 2a (pages 1 through 5)

City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019		
<b>Debt Related Expenses</b>													
40	9210-495.50-86	Fiscal Fees - Bonds	6,104	6,287	6,476	6,670	6,870	7,076	7,288	7,507	7,732	7,964	8,203
44		Principal - Existing Debt	2,806,547	2,127,545	1,653,548	1,673,715	1,045,780	429,323	414,024	424,874	300,874	170,674	170,674
45		Interest - Existing Debt	374,364	262,543	193,050	120,451	63,338	37,472	27,151	17,259	6,940	3,679	2,814
46		Principal - Proposed Debt	-	-	-	-	1,327,758	1,394,976	1,465,597	1,539,792	1,617,744	1,699,643	1,785,687
47		Interest - Proposed Debt	-	-	-	-	4,441,977	4,374,759	4,304,139	4,229,943	4,151,991	4,070,092	3,984,048
			3,187,015	2,396,375	1,853,073	1,800,836	6,885,723	6,243,606	6,218,199	6,219,376	6,085,281	5,952,053	5,951,426
	<b>Total Water Department <sup>1</sup></b>		<b>10,803,927</b>	<b>10,367,015</b>	<b>10,196,656</b>	<b>10,537,737</b>	<b>16,037,554</b>	<b>15,833,296</b>	<b>16,270,077</b>	<b>16,759,268</b>	<b>17,140,603</b>	<b>17,551,913</b>	<b>18,126,743</b>
<b>Miscellaneous and Non-Recurring</b>													
352	1	Water PAYG Capital	420,677	780,519	1,607,869	2,484,158	3,411,577	4,392,406	4,524,178	4,659,904	4,799,701	4,943,692	5,092,002
353	2	Wastewater PAYG Capital	-	-	-	-	-	-	-	-	-	-	-
			420,677	780,519	1,607,869	2,484,158	3,411,577	4,392,406	4,524,178	4,659,904	4,799,701	4,943,692	5,092,002
	<b>GROSS REVENUE REQUIREMENT</b>		<b>11,224,604</b>	<b>11,147,534</b>	<b>11,804,525</b>	<b>13,021,895</b>	<b>19,449,131</b>	<b>20,225,702</b>	<b>20,794,256</b>	<b>21,419,172</b>	<b>21,940,303</b>	<b>22,495,605</b>	<b>23,218,745</b>
<b>Revenues</b>													
<b>Water Department</b>													
364	9200-340-47-61	Utility Sales	-	-	-	-	-	-	-	-	-	-	-
365	9275-340-47-61	Rural Water Corp #3 Utility Sales	-	-	-	-	-	-	-	-	-	-	-
366	9200-340-47-82	Meter Testing Charges	100	100	100	100	100	100	100	100	100	100	100
367	9200-340-47-83	Per Acre Water Line Fee	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
368	9200-340-47-84	Water Meters & Fittings	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
369	9275-340-47-84	RWC#3 Water Meters & Fittings	-	-	-	-	-	-	-	-	-	-	-
370	9200-340-47-85	Utility Tie-On Fees	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
371	9200-363-46-92	Water Tower Rental	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
372	9200-380-48-73	Miscellaneous	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
373	0000-361-44-32	Interest on Now Accounts	-	-	-	-	-	-	-	-	-	-	-
374	0000-361-44-45	Interest on Treasuries	-	-	-	-	-	-	-	-	-	-	-
375	0000-361-44-50	Interest on CD's	-	-	-	-	-	-	-	-	-	-	-
376	0000-361-44-51	Interest on LT Bond Fund	-	-	-	-	-	-	-	-	-	-	-
377	0000-365-48-90	Contributed Assets	-	-	-	-	-	-	-	-	-	-	-
378	0000-368-44-67	Lease Payment Received	132,995	56,875	46,217	28,958	25,356	25,356	-	-	-	-	-
379		Transfer In - Existing Debt Service	3,011,785	2,297,082	1,764,250	1,765,209	1,083,762	441,439	441,175	442,134	307,814	174,353	173,488
380		Wholesale Customers	38,498	38,498	40,767	44,971	67,168	69,850	71,813	73,971	75,771	77,689	80,186
381		Transfer In - 1 Cent for O&M	718,944	808,303	902,935	991,611	-	432,257	533,515	638,785	748,264	862,083	980,429
382		Transfer In - Proposed Debt Service	-	-	-	-	5,769,735	5,769,735	5,769,735	5,769,735	5,769,735	5,769,735	5,769,735
			4,187,322	3,485,858	3,039,269	3,115,849	7,231,121	7,023,737	7,101,338	7,209,725	7,186,684	7,168,960	7,288,938
	<b>NET REVENUE REQUIREMENT</b>		<b>7,037,282</b>	<b>7,661,677</b>	<b>8,765,257</b>	<b>9,906,047</b>	<b>12,218,010</b>	<b>13,201,964</b>	<b>13,692,917</b>	<b>14,209,447</b>	<b>14,753,620</b>	<b>15,326,645</b>	<b>15,929,807</b>
	Change (year-over-year)			8.87%	14.40%	13.01%	23.34%	8.05%	3.72%	3.77%	3.83%	3.88%	3.94%

Notes:

<sup>1</sup> Line item detail supporting these amounts are provided in Schedule 2a (pages 1 through 5), except the proposed debt show on lines 46 and 47 above

City of Stillwater  
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	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
<b>Total Water Department <sup>1</sup></b>	<b>10,803,927</b>	<b>10,367,015</b>	<b>10,196,656</b>	<b>10,537,737</b>	<b>10,267,818</b>	<b>10,063,560</b>	<b>10,500,342</b>	<b>10,989,533</b>	<b>11,370,868</b>	<b>11,782,178</b>	<b>12,357,008</b>
<b>Miscellaneous and Non-Recurring</b>											
352 1 Water PAYG Capital	420,677	1,108,999	2,284,537	3,529,610	4,847,331	6,240,938	6,428,166	6,621,011	6,819,642	7,024,231	7,234,958
353 2 Wastewater PAYG Capital	-	-	-	-	-	-	-	-	-	-	-
	420,677	1,108,999	2,284,537	3,529,610	4,847,331	6,240,938	6,428,166	6,621,011	6,819,642	7,024,231	7,234,958
<b>GROSS REVENUE REQUIREMENT</b>	<b>11,224,604</b>	<b>11,476,014</b>	<b>12,481,193</b>	<b>14,067,347</b>	<b>15,115,149</b>	<b>16,304,499</b>	<b>16,928,509</b>	<b>17,610,544</b>	<b>18,190,509</b>	<b>18,806,409</b>	<b>19,591,965</b>
<b>Revenues</b>											
<b>Water Department</b>											
364 9200-340-47-61 Utility Sales	-	-	-	-	-	-	-	-	-	-	-
365 9275-340-47-61 Rural Water Corp #3 Utility Sales	-	-	-	-	-	-	-	-	-	-	-
366 9200-340-47-82 Meter Testing Charges	100	100	100	100	100	100	100	100	100	100	100
367 9200-340-47-83 Per Acre Water Line Fee	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
368 9200-340-47-84 Water Meters & Fittings	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
369 9275-340-47-84 RWC#3 Water Meters & Fittings	-	-	-	-	-	-	-	-	-	-	-
370 9200-340-47-85 Utility Tie-On Fees	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
371 9200-363-46-92 Water Tower Rental	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
372 9200-380-48-73 Miscellaneous	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
373 0000-361-44-32 Interest on Now Accounts	-	-	-	-	-	-	-	-	-	-	-
374 0000-361-44-45 Interest on Treasuries	-	-	-	-	-	-	-	-	-	-	-
375 0000-361-44-50 Interest on CD's	-	-	-	-	-	-	-	-	-	-	-
376 0000-361-44-51 Interest on LT Bond Fund	-	-	-	-	-	-	-	-	-	-	-
377 0000-365-48-90 Contributed Assets	-	-	-	-	-	-	-	-	-	-	-
378 0000-368-44-67 Lease Payment Received	132,995	56,875	46,217	28,958	25,356	25,356	-	-	-	-	-
379 Transfer In - Existing Debt Service	3,011,785	2,297,082	1,764,250	1,765,209	1,083,762	441,439	441,175	442,134	307,814	174,353	173,488
380 Wholesale Customers	38,498	39,360	42,808	48,248	51,842	55,921	58,061	60,401	62,390	64,502	67,196
381 Transfer In - 1 Cent for O&M	718,944	808,303	902,935	991,611	1,619,853	2,220,875	2,322,133	2,427,403	2,536,881	2,650,701	2,769,047
382 Transfer In - Proposed Debt Service	-	-	-	-	-	-	-	-	-	-	-
	4,187,322	3,486,720	3,041,310	3,119,125	3,065,913	3,028,691	3,106,469	3,215,037	3,192,185	3,174,656	3,294,832
<b>NET REVENUE REQUIREMENT</b>	<b>7,037,282</b>	<b>7,989,294</b>	<b>9,439,883</b>	<b>10,948,221</b>	<b>12,049,236</b>	<b>13,275,807</b>	<b>13,822,039</b>	<b>14,395,507</b>	<b>14,998,324</b>	<b>15,631,753</b>	<b>16,297,134</b>
Change (year-over-year)		13.53%	18.16%	15.98%	10.06%	10.18%	4.11%	4.15%	4.19%	4.22%	4.26%

Notes:

<sup>1</sup> Line item detail supporting these amounts are provided in Schedule 2a (pages 1 through 5)

City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019		
<b>Debt Related Expenses</b>													
40	9210-495.50-86	Fiscal Fees - Bonds	6,104	6,287	6,476	6,670	6,870	7,076	7,288	7,507	7,732	7,964	8,203
44		Principal - Existing Debt	2,806,547	2,127,545	1,653,548	1,673,715	1,045,780	429,323	414,024	424,874	300,874	170,674	170,674
45		Interest - Existing Debt	374,364	262,543	193,050	120,451	63,338	37,472	27,151	17,259	6,940	3,679	2,814
46		Principal - Proposed Debt	-	-	-	-	1,327,758	1,394,976	1,465,597	1,539,792	1,617,744	1,699,643	1,785,687
47		Interest - Proposed Debt	-	-	-	-	4,441,977	4,374,759	4,304,139	4,229,943	4,151,991	4,070,092	3,984,048
			3,187,015	2,396,375	1,853,073	1,800,836	6,885,723	6,243,606	6,218,199	6,219,376	6,085,281	5,952,053	5,951,426
	<b>Total Water Department <sup>1</sup></b>		<b>10,803,927</b>	<b>10,367,015</b>	<b>10,196,656</b>	<b>10,537,737</b>	<b>16,037,554</b>	<b>15,833,296</b>	<b>16,270,077</b>	<b>16,759,268</b>	<b>17,140,603</b>	<b>17,551,913</b>	<b>18,126,743</b>
<b>Miscellaneous and Non-Recurring</b>													
352	1	Water PAYG Capital	420,677	1,108,999	2,284,537	3,529,610	4,847,331	6,240,938	6,428,166	6,621,011	6,819,642	7,024,231	7,234,958
353	2	Wastewater PAYG Capital	-	-	-	-	-	-	-	-	-	-	-
			420,677	1,108,999	2,284,537	3,529,610	4,847,331	6,240,938	6,428,166	6,621,011	6,819,642	7,024,231	7,234,958
	<b>GROSS REVENUE REQUIREMENT</b>		<b>11,224,604</b>	<b>11,476,014</b>	<b>12,481,193</b>	<b>14,067,347</b>	<b>20,884,884</b>	<b>22,074,234</b>	<b>22,698,244</b>	<b>23,380,279</b>	<b>23,960,244</b>	<b>24,576,144</b>	<b>25,361,700</b>
<b>Revenues</b>													
<b>Water Department</b>													
364	9200-340-47-61	Utility Sales	-	-	-	-	-	-	-	-	-	-	-
365	9275-340-47-61	Rural Water Corp #3 Utility Sales	-	-	-	-	-	-	-	-	-	-	-
366	9200-340-47-82	Meter Testing Charges	100	100	100	100	100	100	100	100	100	100	100
367	9200-340-47-83	Per Acre Water Line Fee	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
368	9200-340-47-84	Water Meters & Fittings	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
369	9275-340-47-84	RWC#3 Water Meters & Fittings	-	-	-	-	-	-	-	-	-	-	-
370	9200-340-47-85	Utility Tie-On Fees	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
371	9200-363-46-92	Water Tower Rental	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
372	9200-380-48-73	Miscellaneous	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
373	0000-361-44-32	Interest on Now Accounts	-	-	-	-	-	-	-	-	-	-	-
374	0000-361-44-45	Interest on Treasuries	-	-	-	-	-	-	-	-	-	-	-
375	0000-361-44-50	Interest on CD's	-	-	-	-	-	-	-	-	-	-	-
376	0000-361-44-51	Interest on LT Bond Fund	-	-	-	-	-	-	-	-	-	-	-
377	0000-365-48-90	Contributed Assets	-	-	-	-	-	-	-	-	-	-	-
378	0000-368-44-67	Lease Payment Received	132,995	56,875	46,217	28,958	25,356	25,356	-	-	-	-	-
379		Transfer In - Existing Debt Service	3,011,785	2,297,082	1,764,250	1,765,209	1,083,762	441,439	441,175	442,134	307,814	174,353	173,488
380		Wholesale Customers	38,498	39,360	42,808	48,248	71,631	75,710	77,850	80,190	82,179	84,291	86,985
381		Transfer In - 1 Cent for O&M	718,944	808,303	902,935	991,611	-	432,257	533,515	638,785	748,264	862,083	980,429
382		Transfer In - Proposed Debt Service	-	-	-	-	5,769,735	5,769,735	5,769,735	5,769,735	5,769,735	5,769,735	5,769,735
			4,187,322	3,486,720	3,041,310	3,119,125	7,235,584	7,029,598	7,107,376	7,215,943	7,193,091	7,175,562	7,295,738
	<b>NET REVENUE REQUIREMENT</b>		<b>7,037,282</b>	<b>7,989,294</b>	<b>9,439,883</b>	<b>10,948,221</b>	<b>13,649,300</b>	<b>15,044,636</b>	<b>15,590,868</b>	<b>16,164,336</b>	<b>16,767,153</b>	<b>17,400,581</b>	<b>18,065,963</b>
	Change (year-over-year)			13.53%	18.16%	15.98%	24.67%	10.22%	3.63%	3.68%	3.73%	3.78%	3.82%

Notes:

<sup>1</sup> Line item detail supporting these amounts are provided in Schedule 2a (pages 1 through 5), except the proposed debt show on lines 46 and 47 above

City of Stillwater  
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	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019	
<b>Wastewater Department</b>												
<b>Transfers Out</b>												
211 0000-480.60-01	General Fund Transfer	659,517	704,628	752,824	804,318	859,333	918,111	980,910	1,048,004	1,119,688	1,196,274	1,278,100
<b>Wastewater Administration Division</b>												
<b>Salaries, Wages &amp; Benefits</b>												
212 9310-432.10-01	Full Time	162,080	168,563	175,306	182,318	189,611	197,195	205,083	213,286	221,818	230,690	239,918
213 9310-432.10-03	Overtime	-	-	-	-	-	-	-	-	-	-	-
214 9310-432.10-04	Allowance/Standby	391	407	423	440	457	476	495	515	535	557	579
215 9310-432.10-21	Social Security	12,221	12,710	13,218	13,747	14,297	14,869	15,463	16,082	16,725	17,394	18,090
216 9310-432.10-22	Retirement	9,724	10,113	10,517	10,938	11,376	11,831	12,304	12,796	13,308	13,840	14,394
217 9310-432.10-23	Health Insurance	23,633	24,815	26,055	27,358	28,726	30,162	31,670	33,254	34,917	36,663	38,496
218	Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
		208,049	216,607	225,520	234,801	244,467	254,533	265,016	275,933	287,303	299,144	311,476
<b>Materials</b>												
219 9310-432.20-21	Motor Vehicle Repair Parts	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
220 9310-432.20-34	Other Equipment Parts	150	154	158	162	166	170	174	178	183	187	192
221 9310-432.20-41	Office Supplies	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
222 9310-432.20-44	Stamps & Postage	100	103	105	108	110	113	116	119	122	125	128
223 9310-432.20-50	Books & Publications	300	308	315	323	331	339	348	357	366	375	384
224 9310-432.20-51	Clothing & Uniforms	-	-	-	-	-	-	-	-	-	-	-
225 9310-432.20-52	Food	750	769	788	808	828	849	870	892	914	937	960
226 9310-432.20-53	Motor Vehicle Fuel & Oil	1,934	1,992	2,052	2,113	2,177	2,242	2,309	2,379	2,450	2,523	2,599
227 9310-432.20-59	Minor Supplies	100	103	105	108	110	113	116	119	122	125	128
228	Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
		5,334	5,477	5,624	5,775	5,930	6,089	6,252	6,420	6,593	6,770	6,951
<b>Services</b>												
229 9310-432.30-21	Outside Repair - Cars/Trucks	200	205	210	215	221	226	232	238	244	250	256
230 9310-432.30-24	Repair - Radio Equipment	-	-	-	-	-	-	-	-	-	-	-
231 9310-432.30-25	Repair - Office Equipment	-	-	-	-	-	-	-	-	-	-	-
232 9310-432.30-72	Dues & Subscriptions	600	615	630	646	662	679	696	713	731	749	768
233 9310-432.30-73	In-Service Training	6,000	6,150	6,304	6,461	6,623	6,788	6,958	7,132	7,310	7,493	7,681
234 9310-432.30-82	Misc. Services	4,000	4,100	4,203	4,308	4,415	4,526	4,639	4,755	4,874	4,995	5,120
235 9310-432.30-84	Travel Expense	2,000	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,437	2,498	2,560
236 9310-432.30-85	Professional Services	11,200	11,480	11,767	12,061	12,363	12,672	12,989	13,313	13,646	13,987	14,337
237	Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
		24,000	24,600	25,215	25,845	26,492	27,154	27,833	28,528	29,242	29,973	30,722
<b>Capital</b>												
238 9310-432.40-10	Other Contracts	25,361	26,122	26,906	27,713	28,544	29,401	30,283	31,191	32,127	33,091	34,083
239 9310-432.40-99	Transfer to Assets	-	-	-	-	-	-	-	-	-	-	-
240	Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
		25,361	26,122	26,906	27,713	28,544	29,401	30,283	31,191	32,127	33,091	34,083
<b>Debt Related Expenses</b>												
241 9310-432.50-73	Principal - WWTP	-	-	-	-	-	-	-	-	-	-	-
242 9310-432.50-75	Principal - 2005 Rev Bonds	-	-	-	-	-	-	-	-	-	-	-
243 9310-432.50-84	Interest - WWTP	-	-	-	-	-	-	-	-	-	-	-
244 9310-432.50-86	Fiscal Fees - Bonds	2,328	2,398	2,470	2,544	2,620	2,699	2,780	2,863	2,949	3,038	3,129
245 9310-432.50-88	Interest Exp - Interim Loan WWTP	-	-	-	-	-	-	-	-	-	-	-
246 9310-432.50-89	Interest Exp - Equipment Lease	-	-	-	-	-	-	-	-	-	-	-
247 9310-432.50-95	Interest Exp - 2005 Rev bonds	-	-	-	-	-	-	-	-	-	-	-
248	Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-
249	Principal - Existing Debt	1,079,690	1,721,435	2,232,232	2,324,387	1,490,730	668,409	675,797	689,929	670,346	649,193	662,035
250	Interest - Existing Debt	508,486	459,078	386,280	290,852	213,168	177,637	162,625	147,747	131,634	117,333	103,255
251	Principal - Proposed Debt	-	-	-	-	-	-	-	-	-	-	-
252	Interest - Proposed Debt	-	-	-	-	-	-	-	-	-	-	-
		1,590,503	2,182,911	2,620,982	2,617,782	1,706,518	848,744	841,201	840,539	804,929	769,563	768,419
<b>Interfund Transfers</b>												
253 9310-432.60-10	Direct Cost	73,596	75,804	78,078	80,420	82,833	85,318	87,877	90,514	93,229	96,026	98,907
254 9310-432.60-20	Indirect Cost	65,190	67,146	69,160	71,235	73,372	75,573	77,840	80,175	82,581	85,058	87,610
255	Recurring Budget Adjustment	-	-	-	-	-	-	-	-	-	-	-

City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019	
	138,786	142,950	147,238	151,655	156,205	160,891	165,718	170,689	175,810	181,084	186,517	
<b>Noncash Expenses</b>												
256	9300-432.70-94	-	-	-	-	-	-	-	-	-	-	
257	9310-432.70-95	-	-	-	-	-	-	-	-	-	-	
258		-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	
<b>Total Wastewater Administration Division</b>	<b>1,992,034</b>	<b>2,598,667</b>	<b>3,051,484</b>	<b>3,063,572</b>	<b>2,168,155</b>	<b>1,326,811</b>	<b>1,336,302</b>	<b>1,353,301</b>	<b>1,336,003</b>	<b>1,319,625</b>	<b>1,338,169</b>	
<b>Wastewater Line Management Division</b>												
<b>Salaries, Wages &amp; Benefits</b>												
259	9366-432.10-01	319,685	332,472	345,771	359,602	373,986	388,946	404,504	420,684	437,511	455,011	473,212
260	9366-432.10-03	49,000	50,960	52,998	55,118	57,323	59,616	62,001	64,481	67,060	69,742	72,532
261	9366-432.10-04	-	-	-	-	-	-	-	-	-	-	-
262	9366-432.10-21	27,829	28,942	30,100	31,304	32,556	33,858	35,213	36,621	38,086	39,609	41,194
263	9366-432.10-22	22,121	23,006	23,926	24,883	25,878	26,914	27,990	29,110	30,274	31,485	32,744
264	9366-432.10-23	65,889	69,183	72,642	76,274	80,088	84,093	88,297	92,712	97,348	102,215	107,326
265	9366-432.10-25	7,800	8,112	8,436	8,774	9,125	9,490	9,869	10,264	10,675	11,102	11,546
266		-	-	-	-	-	-	-	-	-	-	-
		492,324	512,676	533,874	555,956	578,957	602,916	627,874	653,871	680,953	709,165	738,554
<b>Materials</b>												
267	9366-432.20-21	28,000	28,700	29,418	30,153	30,907	31,679	32,471	33,283	34,115	34,968	35,842
268	9366-432.20-22	200	205	210	215	221	226	232	238	244	250	256
269	9366-432.20-23	500	513	525	538	552	566	580	594	609	624	640
270	9366-432.20-32	1,200	1,230	1,261	1,292	1,325	1,358	1,392	1,426	1,462	1,499	1,536
271	9366-432.20-33	-	-	-	-	-	-	-	-	-	-	-
272	9366-432.20-34	8,100	8,303	8,510	8,723	8,941	9,164	9,394	9,628	9,869	10,116	10,369
273	9366-432.20-46	900	923	946	969	993	1,018	1,044	1,070	1,097	1,124	1,152
274	9366-432.20-47	8,000	8,200	8,405	8,615	8,831	9,051	9,278	9,509	9,747	9,991	10,241
275	9366-432.20-49	600	648	700	756	816	882	952	1,028	1,111	1,199	1,295
276	9366-432.20-51	6,000	6,150	6,304	6,461	6,623	6,788	6,958	7,132	7,310	7,493	7,681
277	9366-432.20-52	500	513	525	538	552	566	580	594	609	624	640
278	9366-432.20-53	38,284	39,433	40,615	41,834	43,089	44,382	45,713	47,084	48,497	49,952	51,450
279	9366-432.20-58	7,000	7,175	7,354	7,538	7,727	7,920	8,118	8,321	8,529	8,742	8,961
280	9366-432.20-59	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	12,184	12,489	12,801
281	9366-432.20-62	2,500	2,563	2,627	2,692	2,760	2,829	2,899	2,972	3,046	3,122	3,200
282	9366-432.20-96	14,500	14,863	15,234	15,615	16,005	16,405	16,816	17,236	17,667	18,109	18,561
283		-	-	-	-	-	-	-	-	-	-	-
		126,284	129,666	133,140	136,710	140,379	144,148	148,022	152,004	156,096	160,302	164,625
<b>Services</b>												
284	9366-432.30-04	1,200	1,230	1,261	1,292	1,325	1,358	1,392	1,426	1,462	1,499	1,536
285	9366-432.30-12	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	12,184	12,489	12,801
286	9366-432.30-21	500	513	525	538	552	566	580	594	609	624	640
287	9366-432.30-22	1,300	1,333	1,366	1,400	1,435	1,471	1,508	1,545	1,584	1,624	1,664
288	9366-432.30-23	200	205	210	215	221	226	232	238	244	250	256
289	9366-432.30-24	300	308	315	323	331	339	348	357	366	375	384
290	9366-432.30-26	300	308	315	323	331	339	348	357	366	375	384
291	9366-432.30-32	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249	1,280
292	9366-432.30-33	-	-	-	-	-	-	-	-	-	-	-
293	9366-432.30-34	4,000	4,100	4,203	4,308	4,415	4,526	4,639	4,755	4,874	4,995	5,120
294	9366-432.30-41	40,000	41,000	42,025	43,076	44,153	45,256	46,388	47,547	48,736	49,955	51,203
295	9366-432.30-42	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	12,184	12,489	12,801
296		-	-	-	-	-	-	-	-	-	-	-
		68,800	70,520	72,283	74,090	75,942	77,841	79,787	81,782	83,826	85,922	88,070
<b>Capital</b>												
297	9366-432.40-01	32,612	33,590	34,598	35,636	36,705	37,806	38,940	40,109	41,312	42,551	43,828
298	9366-432.40-08	-	-	-	-	-	-	-	-	-	-	-
299	9366-432.40-63	82,143	84,607	87,146	89,760	92,453	95,226	98,083	101,026	104,056	107,178	110,393
300	9366-432.40-99	-	-	-	-	-	-	-	-	-	-	-
301		-	-	-	-	-	-	-	-	-	-	-
		114,755	118,198	121,744	125,396	129,158	133,032	137,023	141,134	145,368	149,729	154,221
<b>Total Wastewater Line Management Division</b>	<b>802,163</b>	<b>831,059</b>	<b>861,041</b>	<b>892,152</b>	<b>924,435</b>	<b>957,938</b>	<b>992,706</b>	<b>1,028,791</b>	<b>1,066,244</b>	<b>1,105,118</b>	<b>1,145,470</b>	

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	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019	
<b>Wastewater Treatment Plant Division</b>												
<b>Salaries, Wages &amp; Benefits</b>												
302	9370-432.10-01	411,754	428,224	445,353	463,167	481,694	500,962	521,000	541,840	563,514	586,054	609,497
303	9370-432.10-02	17,134	17,819	18,532	19,273	20,044	20,846	21,680	22,547	23,449	24,387	25,363
304	9370-432.10-03	38,000	39,520	41,101	42,745	44,455	46,233	48,082	50,005	52,006	54,086	56,249
305	9370-432.10-04	-	-	-	-	-	-	-	-	-	-	-
306	9370-432.10-21	35,026	36,427	37,884	39,399	40,975	42,614	44,319	46,092	47,935	49,853	51,847
307	9370-432.10-22	26,986	28,065	29,188	30,356	31,570	32,833	34,146	35,512	36,932	38,409	39,946
308	9370-432.10-23	67,048	70,400	73,920	77,616	81,497	85,572	89,851	94,343	99,060	104,013	109,214
309	9370-432.10-25	2,500	2,600	2,704	2,812	2,925	3,042	3,163	3,290	3,421	3,558	3,701
310	9370-432.10-25	-	-	-	-	-	-	-	-	-	-	-
		598,448	623,056	648,683	675,369	703,160	732,101	762,241	793,629	826,318	860,361	895,816
<b>Materials</b>												
311	9370-432.20-21	20,000	20,500	21,013	21,538	22,076	22,628	23,194	23,774	24,368	24,977	25,602
312	9370-432.20-22	3,000	3,075	3,152	3,231	3,311	3,394	3,479	3,566	3,655	3,747	3,840
313	9370-432.20-23	3,000	3,075	3,152	3,231	3,311	3,394	3,479	3,566	3,655	3,747	3,840
314	9370-432.20-25	7,000	7,175	7,354	7,538	7,727	7,920	8,118	8,321	8,529	8,742	8,961
315	9370-432.20-26	800	820	841	862	883	905	928	951	975	999	1,024
316	9370-432.20-32	5,700	5,843	5,989	6,138	6,292	6,449	6,610	6,776	6,945	7,119	7,296
317	9370-432.20-33	4,500	4,613	4,728	4,846	4,967	5,091	5,219	5,349	5,483	5,620	5,760
318	9370-432.20-34	12,000	12,300	12,608	12,923	13,246	13,577	13,916	14,264	14,621	14,986	15,361
319	9370-432.20-42	20,000	20,500	21,013	21,538	22,076	22,628	23,194	23,774	24,368	24,977	25,602
320	9370-432.20-46	2,500	2,563	2,627	2,692	2,760	2,829	2,899	2,972	3,046	3,122	3,200
321	9370-432.20-49	2,000	2,160	2,333	2,519	2,721	2,939	3,174	3,428	3,702	3,998	4,318
322	9370-432.20-51	5,000	5,125	5,253	5,384	5,519	5,657	5,798	5,943	6,092	6,244	6,400
323	9370-432.20-52	500	513	525	538	552	566	580	594	609	624	640
324	9370-432.20-53	14,237	14,664	15,104	15,557	16,024	16,505	17,000	17,510	18,035	18,576	19,133
325	9370-432.20-58	4,000	4,100	4,203	4,308	4,415	4,526	4,639	4,755	4,874	4,995	5,120
326	9370-432.20-59	15,000	15,375	15,759	16,153	16,557	16,971	17,395	17,830	18,276	18,733	19,201
327	9370-432.20-62	6,500	6,663	6,829	7,000	7,175	7,354	7,538	7,726	7,920	8,118	8,321
328	9370-432.20-62	-	-	-	-	-	-	-	-	-	-	-
		125,737	129,062	132,480	135,996	139,612	143,332	147,160	151,098	155,152	159,325	163,620
<b>Services</b>												
329	9370-432.30-01	60,000	61,800	63,654	65,564	67,531	69,556	71,643	73,792	76,006	78,286	80,635
330	9370-432.30-04	250	256	263	269	276	283	290	297	305	312	320
331	9370-432.30-12	2,500	2,563	2,627	2,692	2,760	2,829	2,899	2,972	3,046	3,122	3,200
332	9370-432.30-13	500	513	525	538	552	566	580	594	609	624	640
333	9370-432.30-21	500	513	525	538	552	566	580	594	609	624	640
334	9370-432.30-22	2,000	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,437	2,498	2,560
335	9370-432.30-24	200	205	210	215	221	226	232	238	244	250	256
336	9370-432.30-26	1,700	1,743	1,786	1,831	1,876	1,923	1,971	2,021	2,071	2,123	2,176
337	9370-432.30-32	11,000	11,275	11,557	11,846	12,142	12,445	12,757	13,076	13,402	13,737	14,081
338	9370-432.30-33	5,000	5,125	5,253	5,384	5,519	5,657	5,798	5,943	6,092	6,244	6,400
339	9370-432.30-34	5,000	5,125	5,253	5,384	5,519	5,657	5,798	5,943	6,092	6,244	6,400
340	9370-432.30-39	20,000	20,500	21,013	21,538	22,076	22,628	23,194	23,774	24,368	24,977	25,602
341	9370-432.30-70	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	12,184	12,489	12,801
342	9370-432.30-80	15,000	15,375	15,759	16,153	16,557	16,971	17,395	17,830	18,276	18,733	19,201
343	9370-432.30-82	40,000	41,000	42,025	43,076	44,153	45,256	46,388	47,547	48,736	49,955	51,203
344	9370-432.30-85	5,000	5,125	5,253	5,384	5,519	5,657	5,798	5,943	6,092	6,244	6,400
345	9370-432.30-85	-	-	-	-	-	-	-	-	-	-	-
346	9370-432.30-85	316,091	325,574	335,341	345,401	355,763	366,436	377,429	388,752	400,415	412,427	424,800
		494,741	508,990	523,652	538,738	554,261	570,234	586,670	603,582	620,984	638,891	657,317
<b>Capital</b>												
347	9370-432.40-01	7,995	8,235	8,482	8,736	8,998	9,268	9,546	9,832	10,127	10,431	10,744
348	9370-432.40-08	48,305	49,754	51,247	52,784	54,368	55,999	57,679	59,409	61,191	63,027	64,918
349	9370-432.40-41	242,893	250,180	257,685	265,416	273,378	281,580	290,027	298,728	307,690	316,920	326,428
350	9370-432.40-99	-	-	-	-	-	-	-	-	-	-	-
351	9370-432.40-99	-	-	-	-	-	-	-	-	-	-	-
		299,193	308,169	317,414	326,936	336,744	346,846	357,252	367,969	379,008	390,379	402,090
<b>Total Wastewater Treatment Plant Division</b>												
		1,518,119	1,569,276	1,622,228	1,677,039	1,733,778	1,792,514	1,853,323	1,916,279	1,981,463	2,048,955	2,118,843
<b>Total Wastewater Department</b>												
		4,971,832	5,703,630	6,287,578	6,437,080	5,685,701	4,995,374	5,163,241	5,346,375	5,503,397	5,669,973	5,880,581



City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
<b>Total Wastewater Department <sup>1</sup></b>	<b>4,971,832</b>	<b>5,703,630</b>	<b>6,287,578</b>	<b>6,437,080</b>	<b>5,685,701</b>	<b>4,995,374</b>	<b>5,163,241</b>	<b>5,346,375</b>	<b>5,503,397</b>	<b>5,669,973</b>	<b>5,880,581</b>
<b>Miscellaneous and Non-Recurring</b>											
352 1 Water PAYG Capital	-	-	-	-	-	-	-	-	-	-	-
353 2 Wastewater PAYG Capital	9,641	610,841	1,258,333	1,944,124	2,669,930	3,437,535	3,540,661	3,646,881	3,756,287	3,868,976	3,985,045
	9,641	610,841	1,258,333	1,944,124	2,669,930	3,437,535	3,540,661	3,646,881	3,756,287	3,868,976	3,985,045
<b>GROSS REVENUE REQUIREMENT</b>	<b>4,981,473</b>	<b>6,314,471</b>	<b>7,545,910</b>	<b>8,381,204</b>	<b>8,355,631</b>	<b>8,432,910</b>	<b>8,703,902</b>	<b>8,993,257</b>	<b>9,259,684</b>	<b>9,538,949</b>	<b>9,865,627</b>
<b>Revenues</b>											
<b>Wastewater Department</b>											
383 9300-340-47-61 Utility Sales	-	-	-	-	-	-	-	-	-	-	-
384 9300-340-47-85 Utility Tie-On Fee	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
385 9300-340-47-86 Water Closet Fee	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
386 9372-380-48-15 Miscellaneous	-	-	-	-	-	-	-	-	-	-	-
387 0000-361-44-32 Interest on Now Accounts	-	-	-	-	-	-	-	-	-	-	-
388 0000-361-44-45 Interest on Treasuries	-	-	-	-	-	-	-	-	-	-	-
389 0000-361-44-50 Interest on CD's	-	-	-	-	-	-	-	-	-	-	-
390 0000-361-44-51 Interest on LT Bond Fund	-	-	-	-	-	-	-	-	-	-	-
391 0000-365-48-90 Contributed Assets	-	-	-	-	-	-	-	-	-	-	-
392 0000-368-44-67 Lease Payment Received	34,321	14,678	11,927	7,473	6,543	6,543	-	-	-	-	-
393 Transfer In - Existing Debt Service	1,553,854	2,165,836	2,606,585	2,607,765	1,697,354	839,502	838,421	837,676	801,980	766,526	765,290
394 Transfer In - 1 Cent for O&M	185,534	208,594	233,015	255,900	418,027	573,129	599,260	626,426	654,679	684,052	714,593
395 Transfer In - Proposed Debt Service	-	-	-	-	-	-	-	-	-	-	-
	1,883,709	2,499,108	2,961,528	2,981,138	2,231,924	1,529,175	1,547,681	1,574,102	1,566,659	1,560,578	1,589,883
<b>NET REVENUE REQUIREMENT</b>	<b>3,097,764</b>	<b>3,815,364</b>	<b>4,584,383</b>	<b>5,400,066</b>	<b>6,123,707</b>	<b>6,903,735</b>	<b>7,156,221</b>	<b>7,419,154</b>	<b>7,693,025</b>	<b>7,978,371</b>	<b>8,275,744</b>
Change (year-over-year)		23.17%	20.16%	17.79%	13.40%	12.74%	3.66%	3.67%	3.69%	3.71%	3.73%

Notes:

<sup>1</sup> Line item detail supporting these amounts are provided in Schedule 3a

City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
<b>Total Wastewater Department <sup>1</sup></b>	<b>4,971,832</b>	<b>5,703,630</b>	<b>6,287,578</b>	<b>6,437,080</b>	<b>5,685,701</b>	<b>4,995,374</b>	<b>5,163,241</b>	<b>5,346,375</b>	<b>5,503,397</b>	<b>5,669,973</b>	<b>5,880,581</b>
<b>Miscellaneous and Non-Recurring</b>											
352 1 Water PAYG Capital	-	-	-	-	-	-	-	-	-	-	-
353 2 Wastewater PAYG Capital	9,641	610,841	1,258,333	1,944,124	2,669,930	3,437,535	3,540,661	3,646,881	3,756,287	3,868,976	3,985,045
	9,641	610,841	1,258,333	1,944,124	2,669,930	3,437,535	3,540,661	3,646,881	3,756,287	3,868,976	3,985,045
<b>GROSS REVENUE REQUIREMENT</b>	<b>4,981,473</b>	<b>6,314,471</b>	<b>7,545,910</b>	<b>8,381,204</b>	<b>8,355,631</b>	<b>8,432,910</b>	<b>8,703,902</b>	<b>8,993,257</b>	<b>9,259,684</b>	<b>9,538,949</b>	<b>9,865,627</b>
<b>Revenues</b>											
<b>Wastewater Department</b>											
383 9300-340-47-61 Utility Sales	-	-	-	-	-	-	-	-	-	-	-
384 9300-340-47-85 Utility Tie-On Fee	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
385 9300-340-47-86 Water Closet Fee	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
386 9372-380-48-15 Miscellaneous	-	-	-	-	-	-	-	-	-	-	-
387 0000-361-44-32 Interest on Now Accounts	-	-	-	-	-	-	-	-	-	-	-
388 0000-361-44-45 Interest on Treasuries	-	-	-	-	-	-	-	-	-	-	-
389 0000-361-44-50 Interest on CD's	-	-	-	-	-	-	-	-	-	-	-
390 0000-361-44-51 Interest on LT Bond Fund	-	-	-	-	-	-	-	-	-	-	-
391 0000-365-48-90 Contributed Assets	-	-	-	-	-	-	-	-	-	-	-
392 0000-368-44-67 Lease Payment Received	34,321	14,678	11,927	7,473	6,543	6,543	-	-	-	-	-
393 Transfer In - Existing Debt Service	1,553,854	2,165,836	2,606,585	2,607,765	1,697,354	839,502	838,421	837,676	801,980	766,526	765,290
394 Transfer In - 1 Cent for O&M	185,534	208,594	233,015	255,900	-	111,550	137,681	164,848	193,100	222,473	253,014
395 Transfer In - Proposed Debt Service	-	-	-	-	-	-	-	-	-	-	-
	1,883,709	2,499,108	2,961,528	2,981,138	1,813,898	1,067,596	1,086,103	1,112,524	1,105,080	1,098,999	1,128,304
<b>NET REVENUE REQUIREMENT</b>	<b>3,097,764</b>	<b>3,815,364</b>	<b>4,584,383</b>	<b>5,400,066</b>	<b>6,541,733</b>	<b>7,365,314</b>	<b>7,617,800</b>	<b>7,880,733</b>	<b>8,154,604</b>	<b>8,439,950</b>	<b>8,737,323</b>
Change (year-over-year)		23.17%	20.16%	17.79%	21.14%	12.59%	3.43%	3.45%	3.48%	3.50%	3.52%

Notes:

<sup>1</sup> Line item detail supporting these amounts are provided in Schedule 3a

City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
<b>Total Wastewater Department <sup>1</sup></b>	<b>4,971,832</b>	<b>5,703,630</b>	<b>6,287,578</b>	<b>6,437,080</b>	<b>5,685,701</b>	<b>4,995,374</b>	<b>5,163,241</b>	<b>5,346,375</b>	<b>5,503,397</b>	<b>5,669,973</b>	<b>5,880,581</b>
<b>Miscellaneous and Non-Recurring</b>											
352 1 Water PAYG Capital	-	-	-	-	-	-	-	-	-	-	-
353 2 Wastewater PAYG Capital	9,641	610,841	1,258,333	1,944,124	2,669,930	3,437,535	3,540,661	3,646,881	3,756,287	3,868,976	3,985,045
	9,641	610,841	1,258,333	1,944,124	2,669,930	3,437,535	3,540,661	3,646,881	3,756,287	3,868,976	3,985,045
<b>GROSS REVENUE REQUIREMENT</b>	<b>4,981,473</b>	<b>6,314,471</b>	<b>7,545,910</b>	<b>8,381,204</b>	<b>8,355,631</b>	<b>8,432,910</b>	<b>8,703,902</b>	<b>8,993,257</b>	<b>9,259,684</b>	<b>9,538,949</b>	<b>9,865,627</b>
<b>Revenues</b>											
<b>Wastewater Department</b>											
383 9300-340-47-61 Utility Sales	-	-	-	-	-	-	-	-	-	-	-
384 9300-340-47-85 Utility Tie-On Fee	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
385 9300-340-47-86 Water Closet Fee	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
386 9372-380-48-15 Miscellaneous	-	-	-	-	-	-	-	-	-	-	-
387 0000-361-44-32 Interest on Now Accounts	-	-	-	-	-	-	-	-	-	-	-
388 0000-361-44-45 Interest on Treasuries	-	-	-	-	-	-	-	-	-	-	-
389 0000-361-44-50 Interest on CD's	-	-	-	-	-	-	-	-	-	-	-
390 0000-361-44-51 Interest on LT Bond Fund	-	-	-	-	-	-	-	-	-	-	-
391 0000-365-48-90 Contributed Assets	-	-	-	-	-	-	-	-	-	-	-
392 0000-368-44-67 Lease Payment Received	34,321	14,678	11,927	7,473	6,543	6,543	-	-	-	-	-
393 Transfer In - Existing Debt Service	1,553,854	2,165,836	2,606,585	2,607,765	1,697,354	839,502	838,421	837,676	801,980	766,526	765,290
394 Transfer In - 1 Cent for O&M	185,534	208,594	233,015	255,900	418,027	573,129	599,260	626,426	654,679	684,052	714,593
395 Transfer In - Proposed Debt Service	-	-	-	-	-	-	-	-	-	-	-
	1,883,709	2,499,108	2,961,528	2,981,138	2,231,924	1,529,175	1,547,681	1,574,102	1,566,659	1,560,578	1,589,883
<b>NET REVENUE REQUIREMENT</b>	<b>3,097,764</b>	<b>3,815,364</b>	<b>4,584,383</b>	<b>5,400,066</b>	<b>6,123,707</b>	<b>6,903,735</b>	<b>7,156,221</b>	<b>7,419,154</b>	<b>7,693,025</b>	<b>7,978,371</b>	<b>8,275,744</b>
Change (year-over-year)		23.17%	20.16%	17.79%	13.40%	12.74%	3.66%	3.67%	3.69%	3.71%	3.73%

Notes:

<sup>1</sup> Line item detail supporting these amounts are provided in Schedule 3a

City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
<b>Total Wastewater Department <sup>1</sup></b>	<b>4,971,832</b>	<b>5,703,630</b>	<b>6,287,578</b>	<b>6,437,080</b>	<b>5,685,701</b>	<b>4,995,374</b>	<b>5,163,241</b>	<b>5,346,375</b>	<b>5,503,397</b>	<b>5,669,973</b>	<b>5,880,581</b>
<b>Miscellaneous and Non-Recurring</b>											
352 1 Water PAYG Capital	-	-	-	-	-	-	-	-	-	-	-
353 2 Wastewater PAYG Capital	9,641	610,841	1,258,333	1,944,124	2,669,930	3,437,535	3,540,661	3,646,881	3,756,287	3,868,976	3,985,045
	9,641	610,841	1,258,333	1,944,124	2,669,930	3,437,535	3,540,661	3,646,881	3,756,287	3,868,976	3,985,045
<b>GROSS REVENUE REQUIREMENT</b>	<b>4,981,473</b>	<b>6,314,471</b>	<b>7,545,910</b>	<b>8,381,204</b>	<b>8,355,631</b>	<b>8,432,910</b>	<b>8,703,902</b>	<b>8,993,257</b>	<b>9,259,684</b>	<b>9,538,949</b>	<b>9,865,627</b>
<b>Revenues</b>											
<b>Wastewater Department</b>											
383 9300-340-47-61 Utility Sales	-	-	-	-	-	-	-	-	-	-	-
384 9300-340-47-85 Utility Tie-On Fee	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
385 9300-340-47-86 Water Closet Fee	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
386 9372-380-48-15 Miscellaneous	-	-	-	-	-	-	-	-	-	-	-
387 0000-361-44-32 Interest on Now Accounts	-	-	-	-	-	-	-	-	-	-	-
388 0000-361-44-45 Interest on Treasuries	-	-	-	-	-	-	-	-	-	-	-
389 0000-361-44-50 Interest on CD's	-	-	-	-	-	-	-	-	-	-	-
390 0000-361-44-51 Interest on LT Bond Fund	-	-	-	-	-	-	-	-	-	-	-
391 0000-365-48-90 Contributed Assets	-	-	-	-	-	-	-	-	-	-	-
392 0000-368-44-67 Lease Payment Received	34,321	14,678	11,927	7,473	6,543	6,543	-	-	-	-	-
393 Transfer In - Existing Debt Service	1,553,854	2,165,836	2,606,585	2,607,765	1,697,354	839,502	838,421	837,676	801,980	766,526	765,290
394 Transfer In - 1 Cent for O&M	185,534	208,594	233,015	255,900	-	111,550	137,681	164,848	193,100	222,473	253,014
395 Transfer In - Proposed Debt Service	-	-	-	-	-	-	-	-	-	-	-
	1,883,709	2,499,108	2,961,528	2,981,138	1,813,898	1,067,596	1,086,103	1,112,524	1,105,080	1,098,999	1,128,304
<b>NET REVENUE REQUIREMENT</b>	<b>3,097,764</b>	<b>3,815,364</b>	<b>4,584,383</b>	<b>5,400,066</b>	<b>6,541,733</b>	<b>7,365,314</b>	<b>7,617,800</b>	<b>7,880,733</b>	<b>8,154,604</b>	<b>8,439,950</b>	<b>8,737,323</b>
Change (year-over-year)		23.17%	20.16%	17.79%	21.14%	12.59%	3.43%	3.45%	3.48%	3.50%	3.52%

Notes:

<sup>1</sup> Line item detail supporting these amounts are provided in Schedule 3a

City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

	Current Rates 1	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
<b>MINIMUM BILL Rates</b>												
Inside City Limits												
3/4"	\$ 3.60	\$ 3.60	\$ 5.00	\$ 5.50	\$ 6.00	\$ 6.50	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
1"	3.60	3.60	5.91	7.34	8.77	10.22	11.66	12.50	13.33	13.33	13.33	13.33
1.5"	3.60	3.60	8.18	11.92	15.69	19.51	23.33	25.00	26.65	26.65	26.65	26.65
2"	3.60	3.60	10.91	17.42	24.00	30.66	37.32	40.00	42.64	42.64	42.64	42.64
3"	3.60	3.60	19.54	34.85	50.30	65.96	81.64	87.50	93.28	93.28	93.28	93.28
4"	3.60	3.60	30.91	57.77	84.92	112.41	139.95	150.00	159.90	159.90	159.90	159.90
6"	3.60	3.60	60.45	117.38	174.91	233.18	291.56	312.50	333.13	333.13	333.13	333.13
Outside City Limits												
3/4"	\$ 3.60	\$ 3.60	\$ 7.50	\$ 8.25	\$ 9.00	\$ 9.75	\$ 10.50	\$ 11.25	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00
1"	3.60	3.60	8.87	11.01	13.16	15.33	17.49	18.75	20.00	20.00	20.00	20.00
1.5"	3.60	3.60	12.27	17.88	23.54	29.27	35.00	37.50	39.98	39.98	39.98	39.98
2"	3.60	3.60	16.37	26.13	36.00	45.99	55.98	60.00	63.96	63.96	63.96	63.96
3"	3.60	3.60	29.31	52.28	75.45	98.94	122.46	131.25	139.92	139.92	139.92	139.92
4"	3.60	3.60	46.37	86.66	127.38	168.62	209.93	225.00	239.85	239.85	239.85	239.85
6"	3.60	3.60	90.68	176.07	262.37	349.77	437.34	468.75	499.70	499.70	499.70	499.70
<b>VOLUMETRIC</b>												
Inside City Limits	\$ 2.40	\$ 2.40	\$ 2.40	\$ 2.40	\$ 2.40	\$ 2.40	\$ 2.40	\$ 2.40	\$ 2.40	\$ 2.40	\$ 2.40	\$ 2.40
Outside City Limits	\$ 3.60	\$ 3.60	\$ 3.60	\$ 3.60	\$ 3.60	\$ 3.60	\$ 3.60	\$ 3.60	\$ 3.60	\$ 3.60	\$ 3.60	\$ 3.60
<b>AVERAGE BILL ANALYSIS</b>												
Customer Inside City Limits with a 3/4" meter and 7000 gallons of consumption per month												
Minimum Bill	\$ 3.60	\$ 3.60	\$ 5.00	\$ 5.50	\$ 6.00	\$ 6.50	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
Volumetric	16.80	16.80	16.80	16.80	16.80	16.80	16.80	16.80	16.80	16.80	16.80	16.80
Monthly Bill	\$ 20.40	\$ 20.40	\$ 21.80	\$ 22.30	\$ 22.80	\$ 23.30	\$ 23.80	\$ 24.30	\$ 24.80	\$ 24.80	\$ 24.80	\$ 24.80
Change (Year-Over-Year)		0.0%	6.9%	2.3%	2.2%	2.2%	2.1%	2.1%	2.1%	0.0%	0.0%	0.0%

Notes:

<sup>1</sup> Current volumetric rate is reduced 10% for consumption greater than 1 million gallons per month

City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

	Current Rates 1	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
<b>MINIMUM BILL Rates</b>												
Inside City Limits												
3/4"	\$ 3.60	\$ 3.60	\$ 5.00	\$ 5.50	\$ 6.00	\$ 6.50	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
1"	3.60	3.60	5.91	7.34	8.77	10.22	11.66	12.50	13.33	13.33	13.33	13.33
1.5"	3.60	3.60	8.18	11.92	15.69	19.51	23.33	25.00	26.65	26.65	26.65	26.65
2"	3.60	3.60	10.91	17.42	24.00	30.66	37.32	40.00	42.64	42.64	42.64	42.64
3"	3.60	3.60	19.54	34.85	50.30	65.96	81.64	87.50	93.28	93.28	93.28	93.28
4"	3.60	3.60	30.91	57.77	84.92	112.41	139.95	150.00	159.90	159.90	159.90	159.90
6"	3.60	3.60	60.45	117.38	174.91	233.18	291.56	312.50	333.13	333.13	333.13	333.13
Outside City Limits												
3/4"	\$ 3.60	\$ 3.60	\$ 7.50	\$ 8.25	\$ 9.00	\$ 9.75	\$ 10.50	\$ 11.25	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00
1"	3.60	3.60	8.87	11.01	13.16	15.33	17.49	18.75	20.00	20.00	20.00	20.00
1.5"	3.60	3.60	12.27	17.88	23.54	29.27	35.00	37.50	39.98	39.98	39.98	39.98
2"	3.60	3.60	16.37	26.13	36.00	45.99	55.98	60.00	63.96	63.96	63.96	63.96
3"	3.60	3.60	29.31	52.28	75.45	98.94	122.46	131.25	139.92	139.92	139.92	139.92
4"	3.60	3.60	46.37	86.66	127.38	168.62	209.93	225.00	239.85	239.85	239.85	239.85
6"	3.60	3.60	90.68	176.07	262.37	349.77	437.34	468.75	499.70	499.70	499.70	499.70
<b>VOLUMETRIC</b>												
Inside City Limits	\$ 2.40	\$ 2.40	\$ 3.50	\$ 4.00	\$ 4.50	\$ 4.50	\$ 4.50	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.25	\$ 5.25
Outside City Limits	\$ 3.60	\$ 3.60	\$ 5.25	\$ 6.00	\$ 6.75	\$ 6.75	\$ 6.75	\$ 7.50	\$ 7.50	\$ 7.50	\$ 7.88	\$ 7.88
<b>AVERAGE BILL ANALYSIS</b>												
Customer Inside City Limits with a 3/4" meter and 7000 gallons of consumption per month												
Minimum Bill	\$ 3.60	\$ 3.60	\$ 5.00	\$ 5.50	\$ 6.00	\$ 6.50	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
Volumetric	16.80	16.80	24.50	28.00	31.50	31.50	31.50	35.00	35.00	35.00	36.75	36.75
Monthly Bill	\$ 20.40	\$ 20.40	\$ 29.50	\$ 33.50	\$ 37.50	\$ 38.00	\$ 38.50	\$ 42.50	\$ 43.00	\$ 43.00	\$ 44.75	\$ 44.75
Change (Year-Over-Year)		0.0%	44.6%	13.6%	11.9%	1.3%	1.3%	10.4%	1.2%	0.0%	4.1%	0.0%

Notes:

<sup>1</sup> Current volumetric rate is reduced 10% for consumption greater than 1 million gallons per month

City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

	Current Rates 1	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
<b>MINIMUM BILL</b>												
<b>Rates</b>												
Inside City Limits												
3/4"	\$ 3.60	\$ 3.60	\$ 5.00	\$ 5.50	\$ 6.00	\$ 6.50	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
1"	3.60	3.60	5.91	7.34	8.77	10.22	11.66	12.50	13.33	13.33	13.33	13.33
1.5"	3.60	3.60	8.18	11.92	15.69	19.51	23.33	25.00	26.65	26.65	26.65	26.65
2"	3.60	3.60	10.91	17.42	24.00	30.66	37.32	40.00	42.64	42.64	42.64	42.64
3"	3.60	3.60	19.54	34.85	50.30	65.96	81.64	87.50	93.28	93.28	93.28	93.28
4"	3.60	3.60	30.91	57.77	84.92	112.41	139.95	150.00	159.90	159.90	159.90	159.90
6"	3.60	3.60	60.45	117.38	174.91	233.18	291.56	312.50	333.13	333.13	333.13	333.13
Outside City Limits												
3/4"	\$ 3.60	\$ 3.60	\$ 7.50	\$ 8.25	\$ 9.00	\$ 9.75	\$ 10.50	\$ 11.25	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00
1"	3.60	3.60	8.87	11.01	13.16	15.33	17.49	18.75	20.00	20.00	20.00	20.00
1.5"	3.60	3.60	12.27	17.88	23.54	29.27	35.00	37.50	39.98	39.98	39.98	39.98
2"	3.60	3.60	16.37	26.13	36.00	45.99	55.98	60.00	63.96	63.96	63.96	63.96
3"	3.60	3.60	29.31	52.28	75.45	98.94	122.46	131.25	139.92	139.92	139.92	139.92
4"	3.60	3.60	46.37	86.66	127.38	168.62	209.93	225.00	239.85	239.85	239.85	239.85
6"	3.60	3.60	90.68	176.07	262.37	349.77	437.34	468.75	499.70	499.70	499.70	499.70
<b>VOLUMETRIC</b>												
<b>Rates</b>												
Inside City Limits	\$ 2.40	\$ 2.40	\$ 3.50	\$ 4.00	\$ 4.50	\$ 5.50	\$ 6.00	\$ 6.00	\$ 6.00	\$ 6.00	\$ 6.00	\$ 6.00
Outside City Limits	\$ 3.60	\$ 3.60	\$ 5.25	\$ 6.00	\$ 6.75	\$ 8.25	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00	\$ 9.00
<b>AVERAGE BILL ANALYSIS</b>												
Customer Inside City Limits with a 3/4" meter and 7000 gallons of consumption per month												
Minimum Bill	\$ 3.60	\$ 3.60	\$ 5.00	\$ 5.50	\$ 6.00	\$ 6.50	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
Volumetric	16.80	16.80	24.50	28.00	31.50	38.50	42.00	42.00	42.00	42.00	42.00	42.00
Monthly Bill	\$ 20.40	\$ 20.40	\$ 29.50	\$ 33.50	\$ 37.50	\$ 45.00	\$ 49.00	\$ 49.50	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
Change (Year-Over-Year)		0.0%	44.6%	13.6%	11.9%	20.0%	8.9%	1.0%	1.0%	0.0%	0.0%	0.0%

Notes:

<sup>1</sup> Current volumetric rate is reduced 10% for consumption greater than 1 million gallons per month

City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

	Current Rates 1	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
<b>MINIMUM BILL Rates</b>												
Inside City Limits												
3/4"	\$ 3.60	\$ 3.60	\$ 5.00	\$ 5.50	\$ 6.00	\$ 6.50	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
1"	3.60	3.60	5.91	7.34	8.77	10.22	11.66	12.50	13.33	13.33	13.33	13.33
1.5"	3.60	3.60	8.18	11.92	15.69	19.51	23.33	25.00	26.65	26.65	26.65	26.65
2"	3.60	3.60	10.91	17.42	24.00	30.66	37.32	40.00	42.64	42.64	42.64	42.64
3"	3.60	3.60	19.54	34.85	50.30	65.96	81.64	87.50	93.28	93.28	93.28	93.28
4"	3.60	3.60	30.91	57.77	84.92	112.41	139.95	150.00	159.90	159.90	159.90	159.90
6"	3.60	3.60	60.45	117.38	174.91	233.18	291.56	312.50	333.13	333.13	333.13	333.13
Outside City Limits												
3/4"	\$ 3.60	\$ 3.60	\$ 7.50	\$ 8.25	\$ 9.00	\$ 9.75	\$ 10.50	\$ 11.25	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00
1"	3.60	3.60	8.87	11.01	13.16	15.33	17.49	18.75	20.00	20.00	20.00	20.00
1.5"	3.60	3.60	12.27	17.88	23.54	29.27	35.00	37.50	39.98	39.98	39.98	39.98
2"	3.60	3.60	16.37	26.13	36.00	45.99	55.98	60.00	63.96	63.96	63.96	63.96
3"	3.60	3.60	29.31	52.28	75.45	98.94	122.46	131.25	139.92	139.92	139.92	139.92
4"	3.60	3.60	46.37	86.66	127.38	168.62	209.93	225.00	239.85	239.85	239.85	239.85
6"	3.60	3.60	90.68	176.07	262.37	349.77	437.34	468.75	499.70	499.70	499.70	499.70
<b>VOLUMETRIC</b>												
Inside City Limits	\$ 2.40	\$ 2.40	\$ 3.50	\$ 4.00	\$ 4.50	\$ 5.00	\$ 5.50	\$ 6.00	\$ 6.00	\$ 6.25	\$ 6.25	\$ 6.50
Outside City Limits	\$ 3.60	\$ 3.60	\$ 5.25	\$ 6.00	\$ 6.75	\$ 7.50	\$ 8.25	\$ 9.00	\$ 9.00	\$ 9.38	\$ 9.38	\$ 9.75
<b>AVERAGE BILL ANALYSIS</b>												
Customer Inside City Limits with a 3/4" meter and 7000 gallons of consumption per month												
Minimum Bill	\$ 3.60	\$ 3.60	\$ 5.00	\$ 5.50	\$ 6.00	\$ 6.50	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
Volumetric	16.80	16.80	24.50	28.00	31.50	35.00	38.50	42.00	42.00	43.75	43.75	45.50
Monthly Bill	\$ 20.40	\$ 20.40	\$ 29.50	\$ 33.50	\$ 37.50	\$ 41.50	\$ 45.50	\$ 49.50	\$ 50.00	\$ 51.75	\$ 51.75	\$ 53.50
Change (Year-Over-Year)		0.0%	44.6%	13.6%	11.9%	10.7%	9.6%	8.8%	1.0%	3.5%	0.0%	3.4%

Notes:

<sup>1</sup> Current volumetric rate is reduced 10% for consumption greater than 1 million gallons per month

City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

	Current Rates 1	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
<b>MINIMUM BILL Rates</b>												
Inside City Limits												
3/4"	\$ 3.60	\$ 3.60	\$ 5.00	\$ 5.50	\$ 6.00	\$ 6.50	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
1"	3.60	3.60	5.91	7.34	8.77	10.22	11.66	12.50	13.33	13.33	13.33	13.33
1.5"	3.60	3.60	8.18	11.92	15.69	19.51	23.33	25.00	26.65	26.65	26.65	26.65
2"	3.60	3.60	10.91	17.42	24.00	30.66	37.32	40.00	42.64	42.64	42.64	42.64
3"	3.60	3.60	19.54	34.85	50.30	65.96	81.64	87.50	93.28	93.28	93.28	93.28
4"	3.60	3.60	30.91	57.77	84.92	112.41	139.95	150.00	159.90	159.90	159.90	159.90
6"	3.60	3.60	60.45	117.38	174.91	233.18	291.56	312.50	333.13	333.13	333.13	333.13
Outside City Limits												
3/4"	\$ 3.60	\$ 3.60	\$ 7.50	\$ 8.25	\$ 9.00	\$ 9.75	\$ 10.50	\$ 11.25	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00
1"	3.60	3.60	8.87	11.01	13.16	15.33	17.49	18.75	20.00	20.00	20.00	20.00
1.5"	3.60	3.60	12.27	17.88	23.54	29.27	35.00	37.50	39.98	39.98	39.98	39.98
2"	3.60	3.60	16.37	26.13	36.00	45.99	55.98	60.00	63.96	63.96	63.96	63.96
3"	3.60	3.60	29.31	52.28	75.45	98.94	122.46	131.25	139.92	139.92	139.92	139.92
4"	3.60	3.60	46.37	86.66	127.38	168.62	209.93	225.00	239.85	239.85	239.85	239.85
6"	3.60	3.60	90.68	176.07	262.37	349.77	437.34	468.75	499.70	499.70	499.70	499.70
<b>VOLUMETRIC</b>												
Inside City Limits	\$ 2.40	\$ 2.40	\$ 3.50	\$ 4.25	\$ 5.00	\$ 6.00	\$ 6.50	\$ 7.00	\$ 7.00	\$ 7.00	\$ 7.00	\$ 7.25
Outside City Limits	\$ 3.60	\$ 3.60	\$ 5.25	\$ 6.38	\$ 7.50	\$ 9.00	\$ 9.75	\$ 10.50	\$ 10.50	\$ 10.50	\$ 10.50	\$ 10.88
<b>AVERAGE BILL ANALYSIS</b>												
Customer Inside City Limits with a 3/4" meter and 7000 gallons of consumption per month												
Minimum Bill	\$ 3.60	\$ 3.60	\$ 5.00	\$ 5.50	\$ 6.00	\$ 6.50	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
Volumetric	16.80	16.80	24.50	29.75	35.00	42.00	45.50	49.00	49.00	49.00	49.00	50.75
Monthly Bill	\$ 20.40	\$ 20.40	\$ 29.50	\$ 35.25	\$ 41.00	\$ 48.50	\$ 52.50	\$ 56.50	\$ 57.00	\$ 57.00	\$ 57.00	\$ 58.75
Change (Year-Over-Year)		0.0%	44.6%	19.5%	16.3%	18.3%	8.2%	7.6%	0.9%	0.0%	0.0%	3.1%

Notes:

<sup>1</sup> Current volumetric rate is reduced 10% for consumption greater than 1 million gallons per month

FINAL

City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

Schedule 5a  
Wastewater Proposed Rates  
Status Quo Scenario

	Current Rates	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
<b>MINIMUM BILL</b>												
<b>Rates</b>												
Inside City Limits	\$ 6.51	\$ 6.51	\$ 6.51	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
Outside City Limits	\$ 6.51	\$ 6.51	\$ 9.77	\$ 10.50	\$ 11.25	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00
<b>VOLUMETRIC</b>												
Inside City Limits	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89
Outside City Limits	\$ 2.84	\$ 2.84	\$ 2.84	\$ 2.84	\$ 2.84	\$ 2.84	\$ 2.84	\$ 2.84	\$ 2.84	\$ 2.84	\$ 2.84	\$ 2.84
OSU	\$ 1.75	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89	\$ 1.89
<b>AVERAGE BILL ANALYSIS</b>												
Customer Inside City Limits with 5000 gallons of flow per month												
Minimum Bill	\$ 6.51	\$ 6.51	\$ 6.51	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
Volumetric	9.45	9.45	9.45	9.45	9.45	9.45	9.45	9.45	9.45	9.45	9.45	9.45
Monthly Bill	\$ 15.96	\$ 15.96	\$ 15.96	\$ 16.45	\$ 16.95	\$ 17.45	\$ 17.45	\$ 17.45	\$ 17.45	\$ 17.45	\$ 17.45	\$ 17.45
Change (Year-Over-Year)		0.0%	0.0%	3.1%	3.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Reference

FINAL

City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

Schedule 5b  
Wastewater Proposed Rates  
Scenario 1

	Current Rates	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
<b>MINIMUM BILL</b>												
<b>Rates</b>												
Inside City Limits	\$ 6.51	\$ 6.51	\$ 6.51	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
Outside City Limits	\$ 6.51	\$ 6.51	\$ 9.77	\$ 10.50	\$ 11.25	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00
<b>VOLUMETRIC</b>												
Inside City Limits	\$ 1.89	\$ 1.89	\$ 1.89	\$ 2.25	\$ 2.25	\$ 2.75	\$ 2.75	\$ 3.00	\$ 3.00	\$ 3.25	\$ 3.25	\$ 3.25
Outside City Limits	\$ 2.84	\$ 2.84	\$ 2.84	\$ 3.38	\$ 3.38	\$ 4.13	\$ 4.13	\$ 4.50	\$ 4.50	\$ 4.88	\$ 4.88	\$ 4.88
OSU	\$ 1.75	\$ 1.89	\$ 1.89	\$ 2.25	\$ 2.25	\$ 2.75	\$ 2.75	\$ 3.00	\$ 3.00	\$ 3.25	\$ 3.25	\$ 3.25
<b>AVERAGE BILL ANALYSIS</b>												
Customer Inside City Limits with 5000 gallons of flow per month												
Minimum Bill	\$ 6.51	\$ 6.51	\$ 6.51	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
Volumetric	9.45	9.45	9.45	11.25	11.25	13.75	13.75	15.00	15.00	16.25	16.25	16.25
Monthly Bill	\$ 15.96	\$ 15.96	\$ 15.96	\$ 18.25	\$ 18.75	\$ 21.75	\$ 21.75	\$ 23.00	\$ 23.00	\$ 24.25	\$ 24.25	\$ 24.25
Change (Year-Over-Year)		0.0%	0.0%	14.3%	2.7%	16.0%	0.0%	5.7%	0.0%	5.4%	0.0%	0.0%

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City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

Schedule 5c  
Wastewater Proposed Rates  
Scenario 2

	Current Rates	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
<b>MINIMUM BILL</b>												
<b>Rates</b>												
Inside City Limits	\$ 6.51	\$ 6.51	\$ 6.51	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
Outside City Limits	\$ 6.51	\$ 6.51	\$ 9.77	\$ 10.50	\$ 11.25	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00
<b>VOLUMETRIC</b>												
<b>Rates</b>												
Inside City Limits	\$ 1.89	\$ 1.89	\$ 1.89	\$ 2.25	\$ 2.50	\$ 2.75	\$ 3.25	\$ 3.25	\$ 3.50	\$ 3.50	\$ 3.50	\$ 3.50
Outside City Limits	\$ 2.84	\$ 2.84	\$ 2.84	\$ 3.38	\$ 3.75	\$ 4.13	\$ 4.88	\$ 4.88	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25
OSU	\$ 1.75	\$ 1.89	\$ 1.89	\$ 2.25	\$ 2.50	\$ 2.75	\$ 3.25	\$ 3.25	\$ 3.50	\$ 3.50	\$ 3.50	\$ 3.50
<b>AVERAGE BILL ANALYSIS</b>												
Customer Inside City Limits with 5000 gallons of flow per month												
Minimum Bill	\$ 6.51	\$ 6.51	\$ 6.51	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
Volumetric	9.45	9.45	9.45	11.25	12.50	13.75	16.25	16.25	17.50	17.50	17.50	17.50
Monthly Bill	\$ 15.96	\$ 15.96	\$ 15.96	\$ 18.25	\$ 20.00	\$ 21.75	\$ 24.25	\$ 24.25	\$ 25.50	\$ 25.50	\$ 25.50	\$ 25.50
Change (Year-Over-Year)		0.0%	0.0%	14.3%	9.6%	8.7%	11.5%	0.0%	5.2%	0.0%	0.0%	0.0%

Reference COPY

FINAL

City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

Schedule 5d  
Wastewater Proposed Rates  
Scenario 3

	Current Rates	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
<b>MINIMUM BILL</b>												
<b>Rates</b>												
Inside City Limits	\$ 6.51	\$ 6.51	\$ 6.51	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
Outside City Limits	\$ 6.51	\$ 6.51	\$ 9.77	\$ 10.50	\$ 11.25	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00
<b>VOLUMETRIC</b>												
Inside City Limits	\$ 1.89	\$ 1.89	\$ 1.89	\$ 2.25	\$ 2.50	\$ 2.75	\$ 3.00	\$ 3.00	\$ 3.25	\$ 3.25	\$ 3.25	\$ 3.25
Outside City Limits	\$ 2.84	\$ 2.84	\$ 2.84	\$ 3.38	\$ 3.75	\$ 4.13	\$ 4.50	\$ 4.50	\$ 4.88	\$ 4.88	\$ 4.88	\$ 4.88
OSU	\$ 1.75	\$ 1.89	\$ 1.89	\$ 2.25	\$ 2.50	\$ 2.75	\$ 3.00	\$ 3.00	\$ 3.25	\$ 3.25	\$ 3.25	\$ 3.25
<b>AVERAGE BILL ANALYSIS</b>												
Customer Inside City Limits with 5000 gallons of flow per month												
Minimum Bill	\$ 6.51	\$ 6.51	\$ 6.51	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
Volumetric	9.45	9.45	9.45	11.25	12.50	13.75	15.00	15.00	16.25	16.25	16.25	16.25
Monthly Bill	\$ 15.96	\$ 15.96	\$ 15.96	\$ 18.25	\$ 20.00	\$ 21.75	\$ 23.00	\$ 23.00	\$ 24.25	\$ 24.25	\$ 24.25	\$ 24.25
Change (Year-Over-Year)		0.0%	0.0%	14.3%	9.6%	8.7%	5.7%	0.0%	5.4%	0.0%	0.0%	0.0%

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City of Stillwater  
Water and Wastewater Cost of Service and Rate Design Study

	Current Rates	Test Year FY 2009	Year 1 FY 2010	Year 2 FY 2011	Year 3 FY 2012	Year 4 FY 2013	Year 5 FY 2014	Year 6 FY 2015	Year 7 FY 2016	Year 8 FY 2017	Year 9 FY 2018	Year 10 FY 2019
<b>MINIMUM BILL</b>												
<b>Rates</b>												
Inside City Limits	\$ 6.51	\$ 6.51	\$ 6.51	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
Outside City Limits	\$ 6.51	\$ 6.51	\$ 9.77	\$ 10.50	\$ 11.25	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00	\$ 12.00
<b>VOLUMETRIC</b>												
Inside City Limits	\$ 1.89	\$ 1.89	\$ 1.89	\$ 2.25	\$ 2.50	\$ 2.75	\$ 3.25	\$ 3.25	\$ 3.50	\$ 3.50	\$ 3.50	\$ 3.50
Outside City Limits	\$ 2.84	\$ 2.84	\$ 2.84	\$ 3.38	\$ 3.75	\$ 4.13	\$ 4.88	\$ 4.88	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25
OSU	\$ 1.75	\$ 1.89	\$ 1.89	\$ 2.25	\$ 2.50	\$ 2.75	\$ 3.25	\$ 3.25	\$ 3.50	\$ 3.50	\$ 3.50	\$ 3.50
<b>AVERAGE BILL ANALYSIS</b>												
Customer Inside City Limits with 5000 gallons of flow per month												
Minimum Bill	\$ 6.51	\$ 6.51	\$ 6.51	\$ 7.00	\$ 7.50	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
Volumetric	9.45	9.45	9.45	11.25	12.50	13.75	16.25	16.25	17.50	17.50	17.50	17.50
Monthly Bill	\$ 15.96	\$ 15.96	\$ 15.96	\$ 18.25	\$ 20.00	\$ 21.75	\$ 24.25	\$ 24.25	\$ 25.50	\$ 25.50	\$ 25.50	\$ 25.50
Change (Year-Over-Year)		0.0%	0.0%	14.3%	9.6%	8.7%	11.5%	0.0%	5.2%	0.0%	0.0%	0.0%

Reference COPY

City of Stillwater  
 Water and Wastewater Cost of Service and Rate Design Study

	Unit Price	Quantity	Cost
<b>3/4" Meter</b>			
<i>Material Costs</i>			
3/4" tapping saddle	\$ 30.00 each	1	\$ 30.00
3/4" corporation stop (brass)	21.00 each	1	21.00
3/4" angle meter valve (brass)	46.00 each	1	46.00
3/4" angle meter coupling (brass)	10.00 each	1	10.00
3/4" multi-jet water meter	30.00 each	1	30.00
3/4" SS inserts	4.00 each	1	4.00
3/4" poly tubing	5.00 each	1	5.00
meter box and cast iron lid	51.00 each	1	51.00
		<b>Total Materials</b>	<b>\$ 197.00</b>

<b>SHORT TAP (Over the water main line installation)</b>			
<i>Labor and Equip (average of 6 hours)</i>			
Crew Leader	\$ 27.00 hr	6	\$ 162.00
Maintenance Worker	20.00 hr	6	120.00
Backhoe	45.00 hr	6	270.00
Service Truck	25.00 hr	6	150.00
		<b>Total Labor &amp; Equipment</b>	<b>\$ 702.00</b>

**Total cost for Short Tap with a 3/4" meter \$ 899.00**

<b>LONG TAP (Opposite side of street installation with road bore crossing)</b>			
<i>Labor and Equip (average of 8 hours)</i>			
Crew Leader	\$ 27.00 hr	8	\$ 216.00
Maintenance Worker	20.00 hr	8	160.00
Backhoe	45.00 hr	8	360.00
Service Truck	25.00 hr	8	200.00
Road Bore by Contractor	30.00 LF	15	450.00
		<b>Total Labor &amp; Equipment</b>	<b>\$ 1,386.00</b>

**Total cost for Long Tap with a 3/4" meter \$ 1,583.00**

	Unit Price	Quantity	Cost
<b>1" Meter</b>			
<i>Material Costs</i>			
1" tapping saddle	\$ 30.00 each	1	\$ 30.00
1" corporation stop (brass)	31.00 each	1	31.00
1" angle meter valve (brass)	70.00 each	1	70.00
1" angle meter coupling (brass)	11.00 each	1	11.00
1" multi-jet water meter	72.00 each	1	72.00
1" SS inserts	4.00 each	1	4.00
1" poly tubing	5.00 each	1	5.00
meter box and cast iron lid	130.00 each	1	130.00
		<b>Total Materials</b>	<b>\$ 353.00</b>

<b>SHORT TAP (Over the water main line installation)</b>			
<i>Labor and Equip (average of 6 hours)</i>			
Crew Leader	\$ 27.00 hr	6	\$ 162.00
Maintenance Worker	20.00 hr	6	120.00
Backhoe	45.00 hr	6	270.00
Service Truck	25.00 hr	6	150.00
		<b>Total Labor &amp; Equipment</b>	<b>\$ 702.00</b>

**Total cost for Short Tap with a 1" meter \$ 1,055.00**

<b>LONG TAP (Opposite side of street installation with road bore crossing)</b>			
<i>Labor and Equip (average of 8 hours)</i>			
Crew Leader	\$ 27.00 hr	8	\$ 216.00
Maintenance Worker	20.00 hr	8	160.00
Backhoe	45.00 hr	8	360.00
Service Truck	25.00 hr	8	200.00
Road Bore by Contractor	30.00 LF	15	450.00
		<b>Total Labor &amp; Equipment</b>	<b>\$ 1,386.00</b>

**Total cost for Long Tap with a 1" meter \$ 1,739.00**