

City of Steamboat Springs, Colorado

137 10th Street • Steamboat Springs, CO 80477

2010 Water and Wastewater Rate Study

August 2010

FINAL REPORT

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5207-003

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1. Executive Summary

The City of Steamboat Springs, Colorado (City) retained Red Oak Consulting (Red Oak) in 2010 to complete a comprehensive Water and Wastewater Rate and Fee Study (Study). The purpose of the Study was to develop financial plans and rate and fee structures to promote self-sustainability of the City's separate water and wastewater enterprise funds, and to recommend retail and wholesale customer rates for service and tap fees, consistent with the financial plan requirements and cost of service analysis.

As part of the Study, Red Oak assisted the City to:

- Develop separate 10-year water and wastewater enterprise financial plans:
- Complete water and wastewater cost of service analysis for a 2013 test-year.
- Develop alternative water and wastewater rates to fund annual system revenue requirements for each enterprise.
 - Alternative three-year water and wastewater rates for 2011 through 2013 that Council can consider for adoption effective January 1st of each year; adoption in 2010 of a three-year water and wastewater financial and rate plan.
- Update water and wastewater tap fees for a January 1, 2011 effective date.
- Develop and deliver separate water and wastewater financial planning, cost of service, and rate design models and a supporting user manual.

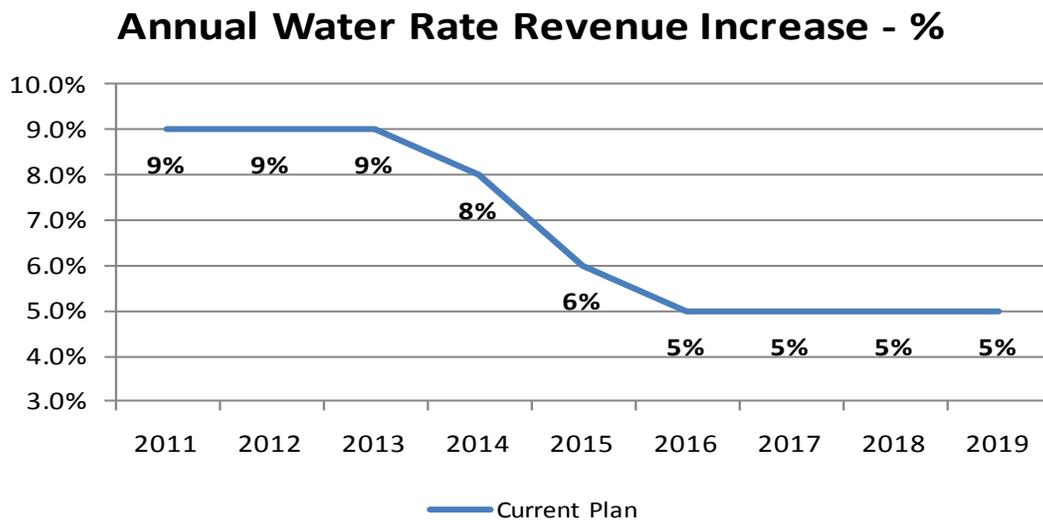
The multi-year water and wastewater financial plans, supporting worksheets and calculations, revenue projections, and assumptions are detailed in Appendix A and E respectively.

Each of the separate water and wastewater financial plans are organized around a total fund with separate operations and tap fee subfunds. The water and wastewater rate revenue requirements of the respective operations subfunds represent the cost of providing service and include operation and maintenance (O&M) expenses, non-growth capital related costs (cash funded project costs and debt service), other miscellaneous cash inflows and outflows, and loans to/repayments from the tap fee subfunds.

Growth-related capital costs (cash funded project costs and debt service) are assigned to the tap fee subfund and are paid for via tap fees. Where there are deficiencies in the tap fee subfund, loans from the operations subfund are made to maintain financial performance thresholds and fund tap fee subfund expenditures. As needed and as the financial performance of the tap fee subfund allows, repayments to the operations subfunds are also made during the course of the 10-year study period.

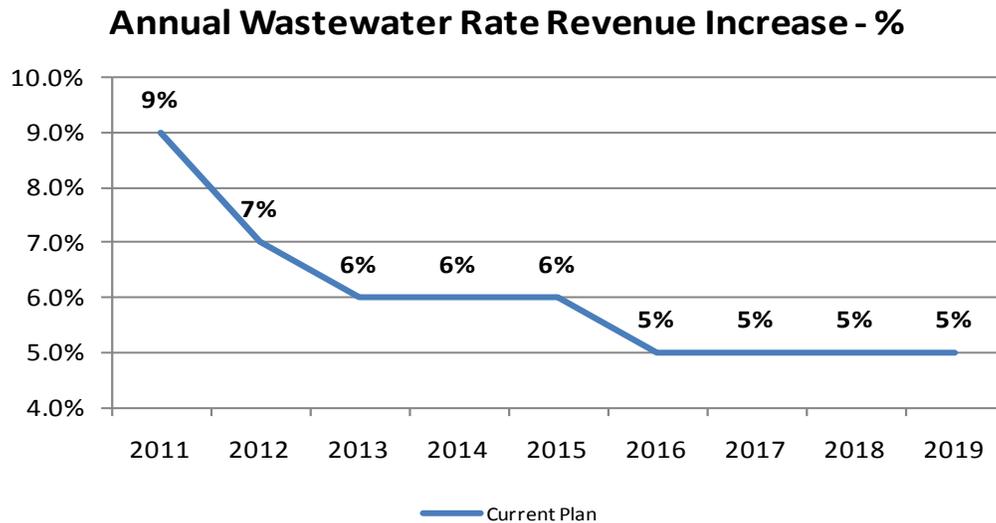
2010 water charge revenues (revenues from the monthly rates assessed to customers) are estimated at \$1.7 million. Figure 1-1 summarizes projected water rate revenue increases over the 10-year study period necessary to fund annual expenditures and meet financial performance criteria and do not necessarily equate to the overall rate increase for a specific class of customers or an individual customer. The proposed water rates for service for each customer class necessary to generate the increased revenue by year are included in Section 5.2 of this report.

Figure 1-1: Projected Annual Water Rate Revenue Increases



2010 wastewater charge revenues are estimated at \$2.5 million. Figure 1-2 summarizes projected wastewater rate revenue increases over the 10-year study period necessary to fund annual expenditures and meet financial performance criteria and do not necessarily equate to the overall rate increase for a specific class of customers or an individual customer. The proposed wastewater rates for service for each customer class necessary to generate the increased revenue by year are included in Section 6.2 of this report.

Figure 1-2: Projected Annual Wastewater Rate Revenue Increases



The financial plans evaluate the adequacy of system revenues, adjusted for customer and demand-related (water use and wastewater flow) growth, to:

- Fund annual operation and maintenance (O&M) expenses, debt service and capital costs
- Maintain financial performance requirements
 - Debt service coverage (DSC) ratio targets¹
 - End-of-year reserve targets²
 - Operations reserve
 - Capital project reserve

¹ Debt service coverage ratio is the ratio of total system revenues less operating expenditures (referred to as “net revenues”) divided by the annual debt service. The City’s targeted debt service coverage ratio is 1.50 times annual debt service, including annual tap fee revenue, with a legal requirement of 1.10 times annual debt service for existing wastewater loans.

² The enterprise fund or operations reserve is an end-of-year unrestricted cash balance equal to 20% or approximately 75 days of annual O&M expenses. The capital projects fund reserve requirement is equal to 20% of the previous year’s capital expenditures.

DSC is a measure of a borrower's ability to repay its debt obligations. The projected financial plan is generally designed to achieve a 1.50 times annual DSC ratio consistent with current City financial policies. At a ratio of 1.50, the revenues available for debt service would be 50% greater than the annual debt service payment. In 2011, the DSC target of 1.50 times annual debt service is not met as the City is looking to mitigate the pace of rate increases, but the DSC target is projected to be met or exceeded in 2012 through 2019 through a combination of rate revenue increases and debt issues. In addition to the City's financial policy related to DSC, the City's existing wastewater loans require debt service coverage of 1.10 times annual debt service. The current water loan does not have a legal debt service coverage requirement; however, prudent financial management would dictate a DSC ratio of at least 1.00 times and even higher due to the variability in water revenues.

Working with City staff, Red Oak developed two water rate alternatives. The major difference between the two alternatives is that Alternative 2 includes a minimum of 4,000 gallons per unit per month priced into the monthly service charge whereas Alternative 1 has no minimum included in the monthly service charge.

**Table 1-1:
Proposed Water Rate Alternative 1**

	Existing	Alternative 1		
	2010	2011	2012	2013
Monthly Service Charge - City				
Residential	\$15.00	\$17.12	\$19.43	\$21.96
Commercial	19.50	20.50	21.59	22.78
Combined	19.50	20.50	21.59	22.78
Residential Volume Rate per 1,000 gallons				
0 - 4,000 gallons	\$1.58	\$1.80	\$2.04	\$2.30
4,001 - 12,000 gallons	2.37	2.70	3.06	3.45
12,001 - 20,000 gallons	3.63	4.14	4.69	5.28
20,001 - 28,000 gallons	4.73	5.39	6.11	6.89
> 28,000 gallons	7.10	8.09	9.17	10.34
Commercial Volume Rate per 1,000 gallons	\$4.17	\$4.17	\$4.17	\$4.17
Combined Volume Rate per 1,000 gallons	\$4.17	\$4.17	\$4.17	\$4.17
Steamboat II Volume Rate per 1,000 gallons	\$1.02	\$1.06	\$1.11	\$1.15

**Table 1-2:
Proposed Water Rate Alternative 2**

	Existing	Alternative 2		
	2010	2011	2012	2013
Monthly Minimum Charge - City (1)				
Residential	\$15.00	\$24.32	\$27.59	\$31.16
Commercial	19.50	20.50	21.59	22.78
Combined	19.50	20.50	21.59	22.78
Residential Volume Rate per 1,000 gallons				
0 - 4,000 gallons (1)	\$1.58	\$0.00	\$0.00	\$0.00
4,001 - 12,000 gallons	2.37	2.37	2.63	2.95
12,001 - 20,000 gallons	3.63	3.63	4.03	4.52
20,001 - 28,000 gallons	4.73	4.73	5.25	5.89
> 28,000 gallons	7.10	7.10	7.88	8.84
Commercial Volume Rate per 1,000 gallons	\$4.17	\$4.17	\$4.17	\$4.17
Combined Volume Rate per 1,000 gallons	\$4.17	\$4.17	\$4.17	\$4.17
Steamboat II Volume Rate per 1,000 gallons	\$1.02	\$1.06	\$1.11	\$1.15

(1) For only Residential accounts, the first 4,000 gallons per unit is included in the Minimum Charge.

Red Oak developed a single wastewater rate structure alternative that phases to cost of service by 2013 and is summarized in the tables below.

**Table 1-3:
Proposed Retail Wastewater Rates**

	Existing	Retail Customer Rates		
	2010	2011	2012	2013
Monthly Service Charge - City				
Residential	\$26.88	\$29.25	\$31.26	\$33.10
Commercial	23.61	24.65	25.53	26.35
Combined	23.61	24.65	25.53	26.35
Volume Rate per 1,000 gallons				
Residential	0.00	0.00	0.00	0.00
Commercial	4.97	4.98	4.99	5.00
Combined	4.97	4.98	4.99	5.00
Septage Haulers Rate per gallon	\$0.020	\$0.026	\$0.031	\$0.035

**Table 1-4:
Proposed Wholesale Customer Wastewater Rates**

	Existing	Wholesale Customer Rates		
	2010	2011	2012	2013
Monthly Service Charge - Steamboat II				
Residential	\$7.06	\$16.22	\$23.98	\$31.10
Commercial	0.00	0.00	0.00	0.00
Volume Rate per 1,000 gallons - Steamboat II				
Residential	0.00	0.00	0.00	0.00
Commercial	\$2.67	\$3.41	\$4.03	\$4.60
Combined	\$2.67	\$3.41	\$4.03	\$4.60
Monthly Service Charge - Mt. Werner				
Residential	\$10.59	\$10.84	\$11.05	\$11.25
Commercial	0.00	0.00	0.00	0.00
Combined	10.59	10.84	11.05	11.25
Volume Rate per 1,000 gallons - Mt. Werner				
Residential	0.00	0.00	0.00	0.00
Commercial	2.67	3.48	4.16	4.79
Combined	\$2.67	\$3.48	\$4.16	\$4.79
Monthly Service Charge - Tree Haus				
Residential	\$10.59	\$15.87	\$20.35	\$24.45

Red Oak developed water and wastewater tap fees proposed for a January 1, 2011 effective date and summarized in Table 1-5.

**Table 1-5:
Proposed 2011 City Water and Wastewater Tap Fee per EQR**

Description	Current	Updated	Change
Water System (1)	\$3,640	\$3,576	(\$64)
Water Rights (1)	0	5,223	5,223
Total Water	3,640	8,799	5,159
WWTP & Interceptor (1)	3,424	4,334	910
Collection System (1)	371	591	220
Total Wastewater	3,795	4,925	1,130
Total Water and Wastewater	\$7,435	\$13,724	\$6,289
(1) Fee assessed per fixture unit. Assumes 140 water fixture units and 130 wastewater fixture units per equivalent residential connection.			

Table 1-6 summarizes proposed tap fees for wholesale water and wastewater customers. New development within Steamboat II is assessed 50% of the water tap fee and 86.85% of the wastewater tap fee within the City's service area. New development within Mt. Werner and Tree Haus are assessed the WWTP and Interceptor tap fee.

**Table 1-6:
Proposed 2011 Wholesale Customer Water and Wastewater Tap Fee per EQR**

Description	Current	Updated	Change
Water System (1)	\$1,820	\$1,788	(\$32)
Water Rights (1)	0	2,612	2,612
Total Water	1,820	4,400	2,580
WWTP & Interceptor (1)	3,424	4,334	910
Steamboat II - Wastewater (2)	3,296	4,277	981
(1) Fee assessed per fixture unit. Assumes 140 water fixture units and 130 wastewater fixture units per equivalent residential connection.			
(2) Steamboat II wastewater tap fee equal to 86.85% of the City's total wastewater fee per Settlement Agreement with Steamboat II dated July 3rd, 2003.			

2. Introduction

2.1. System Overview

The City operates a water and wastewater system providing service to City residents within the City's utility service area and wholesale customers served by other agencies/utilities outside the City's utility service area.

The City owns water rights, water treatment, storage, transmission, distribution and other miscellaneous system assets. The Fish Creek Filtration Plant and Yampa River Infiltration Galleries are operated by the Mount Werner Water and Sanitation District (Mt. Werner) and the City owns a portion of these assets. The City and Mt. Werner share proportionally in the operating costs of the two water treatment assets, but are responsible for their portion of major capital improvements or expansions of these assets.

The City owns and operates a wastewater treatment plant (WWTP), wastewater interceptor and collection system lines, lift stations and other miscellaneous wastewater system assets. The City operates the WWTP that treats wastewater effluent for City, Mt. Werner, Steamboat II Metropolitan District (Steamboat II), and Tree Haus District (Tree Haus).

2.2. Study Overview

The City of Steamboat Springs, Colorado (City) retained Red Oak Consulting (Red Oak) in 2010 to complete a comprehensive Water and Wastewater Rate and Fee Study (Study). The purpose of the Study was to develop financial plans and rate and tap fee structures to promote self-sustainability of the City's separate water and wastewater enterprise funds, and to recommend retail and wholesale customer rates and tap fees, consistent with the financial plan requirements and cost of service analysis.

As part of the Study, Red Oak assisted the City to:

- Develop separate 10-year water and wastewater enterprise financial plans:
 - Evaluate alternative capital improvement and capital funding scenarios.
 - Update the existing water system, wastewater treatment plant (WWTP) and interceptor, and wastewater system collection tap fees.
 - Evaluate creating a new water rights tap fee to be assessed to new development inside the City as an additional revenue source funding growth-related capital improvements.
- Complete water and wastewater cost of service analysis for a 2013 test-year.

- Develop alternative water and wastewater rates to fund annual system revenue requirements for each enterprise.
- Develop and deliver separate water and wastewater financial planning, cost of service, and rate design models and user manual.

Components of this project included:

- Analyze the existing water and wastewater rate structure for appropriateness and sufficiency of revenue generated.
- Develop separate 10-year water and wastewater financial plans based on information gathered during the course of the study including annual system revenue increases.
- Determine the system's ability to support projected debt required for planned capital projects.
- Complete a cost of service analysis for a 2013 test year.
- Update water and wastewater tap fees for a January 1, 2011 effective date.
- Develop alternative three-year water and wastewater rates for 2011 through 2013 that Council can consider for adoption effective January 1st of each year; adoption in 2010 of a three-year water and wastewater financial and rate plan.

2.3. Report Organization

Our report to the City contains seven sections as follows:

- Section 1 – Executive Summary
- Section 2 – Introduction
- Section 3 – Utility Accounts, Use and Growth
- Section 4 – Water and Wastewater Financial Plans
- Section 5 - Water Cost of Service and Rate Alternatives
- Section 6 – Wastewater Cost of Service and Rate Alternatives
- Section 7 – Water and Wastewater Tap Fees

The report contains eight appendices including the complete water financial plan and customer data (Appendix A), water cost of service (Appendix B), water rates 2011, 2012, and 2013 (Appendix C), water tap fee (Appendix D), wastewater financial plan and customer data (Appendix E), wastewater cost of service (Appendix F), wastewater rates 2011, 2012, and 2013 (Appendix G), and wastewater tap fee (Appendix H).

2.4. Acknowledgements

On behalf of the project team, we would like to acknowledge the commitment and contributions provided by several members of City Public Works and Finance Departments in completing this project. In particular we would like to recognize Mr. Philo Shelton, Public Works Director, Joe Zimmerman, Utility Operations, Jon Snyder, Utility Engineer, Gilbert Anderson, WWTP Manager, Ms. Deb Hinsvark, Acting Finance Director, Ms. Kim Weber, Revenue Manager, Mr. Bob Litzou, Assistant Finance Director, and Mr. Jon Roberts, City Manager, for their input and guidance throughout the course of this study.

2.5. Reliance on City Provided Data

During the course of this project, the City provided Red Oak with a variety of technical information from master plans and audited and unaudited financial results, including customer, cost and revenue data. Red Oak did not independently assess or test for the accuracy of such data – historic or projected. We have relied on this data in the formulation of our findings and subsequent recommendations, as well as in the preparation of this report.

As is often the case, there will be differences between actual and projected data, and some of the assumptions used in this report will not be realized, and unanticipated events and circumstances may occur. Therefore, there are likely to be differences between the data or results projected in this report and actual results achieved and those differences may be material. As such, we take no responsibility for the accuracy of data or projections provided by or prepared on behalf of the City, nor do we have any responsibility for updating this report for events occurring after the date of this report.

3. Utility Accounts and Use

3.1. Water

The City currently serves approximately 2,800 retail water customers inside the City and these accounts are divided into the following three customer classes:

- Residential
- Commercial
- Combined

Residential customers include all types of residential development, including multi-family housing. Combined customers include residential and commercial customers housed in a single structure served by a single service line. Commercial customers include all other types of customers that are neither residential nor combined.

The City also provides treated water service to one wholesale customer, Steamboat II.

Table 3-1 summarizes the calendar year, 2009 customer data: number of bills, dwelling units, and annual water use (in 1,000 of gallons - kgal) for each City customer classifications and single wholesale customer.

**Table 3-1:
2009 Water Customer Data**

Customer Classification	Bills	Dwelling Units (1)	Water Use - kgal	Monthly Water Use per	
				Dwelling Unit	Bill
Inside City					
Residential	28,917	2,850	212,647	6.22	7.35
Commercial	4,032	346	114,313	27.53	28.35
Combined	573	158	11,995	6.33	20.93
Subtotal	33,522	3,354	338,955	8.42	10.11
Steamboat II	12	409	43,806	8.93	3,650.50
Total	33,534	3,763	382,761	8.48	11.41

The water rate and financial plan presented in the balance of this report is based on projections derived from the current number of accounts, dwelling units and volumes (in

1,000 gallons or kgal) adjusted for growth. Annual bills, dwelling units, water use and revenues under the current rates are detailed in pages A-24 through A-41.

3.2. Wastewater

The City currently serves approximately 2,800 wastewater customers inside the City and these accounts are divided into the following three customer classes:

- Residential
- Commercial
- Combined

Residential customers include all types of residential development, including multi-family housing. Combined customers include residential and commercial customers housed in a single structure served by a single service line. Commercial customers include all other types of customers that are neither residential nor combined.

The City also provides wastewater service to three wholesale customers of Steamboat II, Mt. Werner and Tree Haus. Mt. Werner is billed quarterly and includes residential, commercial and combined customer classifications. Steamboat II is billed monthly and almost entirely residential, with one commercial customer. Tree Haus is also billed monthly and has a customer base that is entirely residential.

Table 3-2 summarizes 2009 bills, dwelling units, and annual winter water use for each City and wholesale customer classifications. Commercial and Combined customer classifications are billed for service using both the Monthly Service Charge and a Volume Rate per kgal of annual winter water.

**Table 3-2:
2009 Wastewater Customer Data**

Customer Classification	Bills	Dwelling Units (1)	Winter Water Use - kgal	Monthly Winter Water Use per	
				Dwelling Unit	Bill
Inside City					
Residential	28,718	2,827	148,150	4.37	5.16
Commercial	3,812	318	70,621	18.51	18.53
Combined	720	180	12,127	5.61	16.84
Subtotal	33,250	3,325	230,898	5.79	6.94
Steamboat II					
Residential	12	406	21,540	4.42	1,795.02
Commercial	12	1	268	22.33	22.33
Subtotal	24	407	21,808	4.47	908.68
Mt. Werner					
Residential	4	5,961	215,095	3.01	53,773.79
Commercial	4	98	55,180	47.16	13,794.96
Combined	4	341	28,358	6.94	7,089.39
Subtotal	12	6,399	298,633	3.89	24,886.04
Tree Haus - Residential	12	110	7,695	5.83	641.25
Total	33,298	10,241	559,034	4.55	16.79

(1) Dwelling units for all customers are based on active end-user dwelling units billed in 2009.

The water rate and financial plan presented in the balance of this report is based on projections derived from the current number of accounts, dwelling units and volumes (billed winter water use kgal). City and wholesale customers use differing amounts of winter water use. The variance in winter water use likely reflects differences in the proportion of primary and secondary home ownership, the size of the family occupying the home and indoor water use fixtures and practices for customers within each customer group. The annualized winter water use for each customer class and type directly affects the cost of service analysis and proposed customer rates discussed in Section 6 of this

report. Annual bills, dwelling units, water use and revenues under the current rates are detailed in pages E-23 through E-40.

3.3. Growth Assumptions

The utility grew at an average rate of 1.69% during the five-year period from 2003 through 2007³. Growth has slowed from this rate during 2009 to approximately 0.4%.

Red Oak worked with City staff to project annual growth for the 10-year study period. Projected annual growth in equivalent residential units (EQRs) is as follows:

- 2010 – 0.10%
- 2011 – 0.40%
- 2012 – 0.80%
- 2013 through 2019 – 1.69%

The growth is assumed to occur within the City and Mt. Werner service areas and no growth is anticipated within Tree Haus or Steamboat II. Since Mt. Werner is a wastewater-only City customer, the projected water system growth is anticipated to occur only within the City service area.

³ Steamboat Water Supply Master Plan, Stantec, November 2008.

4. Water and Wastewater Financial Plan

4.1. Financial Plan Results

The multi-year water and wastewater financial plan, supporting worksheets and calculations, revenue projections, and assumptions are detailed in Appendix A and E respectively.

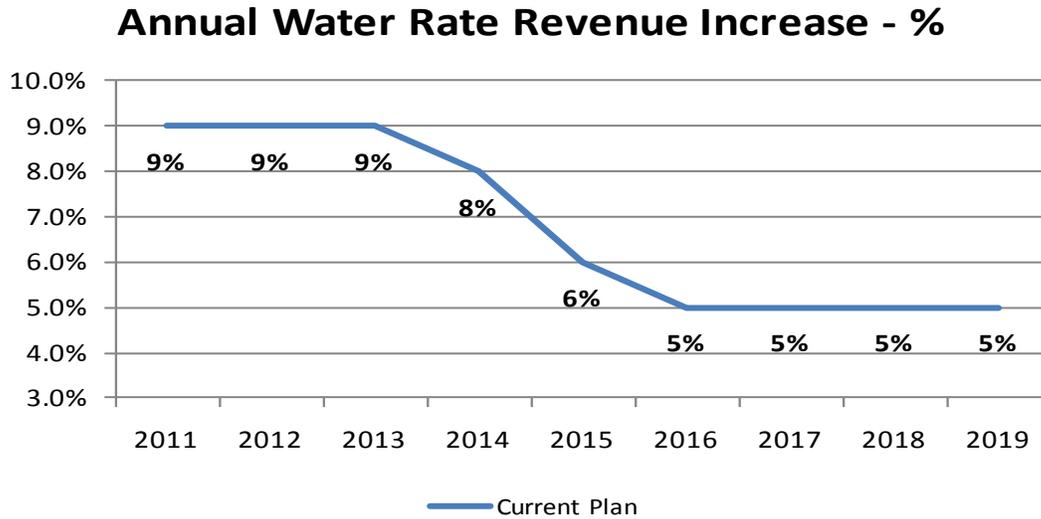
Each of the separate water and wastewater financial plans are organized around a total fund with separate operations and tap fee subfunds. The water and wastewater rate revenue requirements of the respective operations subfunds represent the cost of providing service and include operation and maintenance (O&M) expenses, non-growth capital related costs (cash funded project costs and debt service), other miscellaneous cash inflows and outflows and loans to/repayment from the tap fee subfunds.

Growth-related capital costs (cash funded project costs and debt service) are assigned to the tap fee subfund and are paid for via tap fees. Where there are deficiencies in the tap fee subfund, loans from the operations subfund are made to maintain financial performance thresholds and fund tap fee subfund expenditures. As needed and as the financial performance of the tap fee subfunds allow, repayments to the operations subfunds are also made during the course of the 10-year study period.

4.1.1. Water Fund Financial Plan Results

2010 water charge revenues (revenues from the monthly rates assessed to customers) are estimated at \$1.7 million. Figure 4-1 summarizes projected water rate revenue increases over the 10-year study period necessary to fund annual expenditures and meet financial performance criteria and do not necessarily equate to the overall rate increase for a specific class of customers or an individual customer. The proposed water rates for service for each customer class necessary to generate the increased revenue by year are included in Section 5.2 of this report.

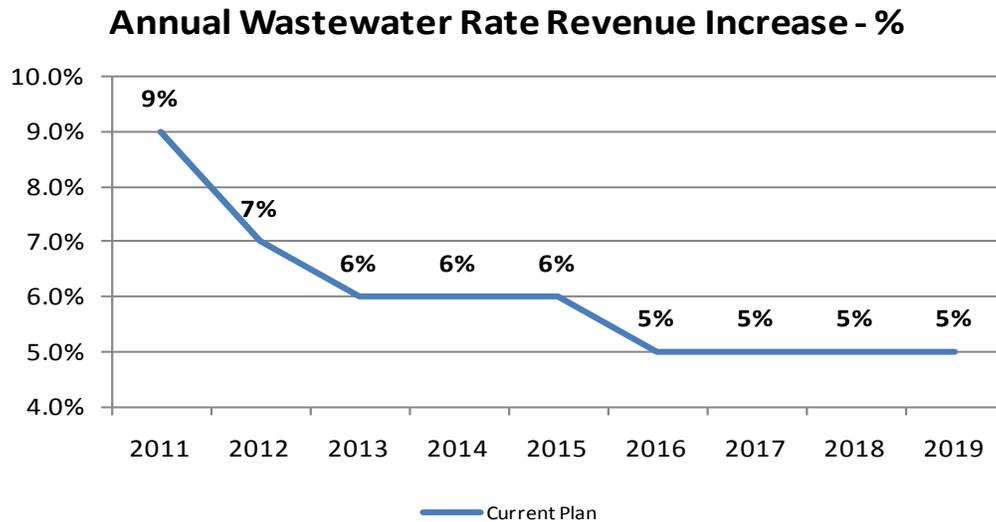
Figure 4-1: Projected Annual Water Rate Revenue Increases



4.1.2. Wastewater Fund Financial Plan Results

2010 wastewater charge revenues are estimated at \$2.5 million. Figure 4-2 summarizes projected wastewater rate revenue increases over the 10-year study period necessary to fund annual expenditures and meet financial performance criteria and do not necessarily equate to the overall rate increase for a specific class of customers or an individual customer. The proposed wastewater rates for service for each customer class necessary to generate the increased revenue by year are included in Section 6.2 of this report.

Figure 4-2: Proposed Annual Wastewater Rate Revenue Increases



4.1.3. Water and Wastewater Financial Plan Components

4.1.3.1. Financial Performance Criteria

The financial plans evaluate the adequacy of system revenues, adjusted for customer and demand-related (water use and wastewater flow) growth, to:

- Fund annual operation and maintenance (O&M) expenses, debt service and capital costs
- Maintain established City financial performance requirements
 - Debt service coverage (DSC) ratio targets⁴
 - End-of-year reserve targets⁵
 - Operations reserve
 - Capital project reserve

⁴ Debt service coverage ratio is the ratio of total system revenues less operating expenditures (referred to as “net revenues” divided by the annual debt service. The City’s targeted debt service coverage ratio is 1.50 times annual debt service, including tap fee revenue, with a legal requirement of 1.10 times annual debt service for wastewater loans.

⁵ The enterprise fund or operations reserve is an end-of-year unrestricted cash balance equal to 20% or approximately 75 days of annual O&M expenses. The capital projects fund reserve requirement is equal to 20% of the previous year’s capital expenditures.

DSC is a measure of a borrower's ability to repay its debt obligations. The projected financial plan is generally designed to achieve a 1.50 times annual DSC ratio consistent with current City financial policies. At a ratio of 1.50, the revenues available for debt service would be 50% greater than the annual debt service payment. In 2011, the DSC target of 1.50 times annual debt service is not met as the City is looking to mitigate the pace of increases, but the DSC target is projected to be met or exceed in 2012 through 2019 through a combination of rate revenue increases and debt issues. In addition to the City's financial policy related to DSC, the City's existing wastewater loans require debt service coverage of 1.10 times annual debt service. The current water loan does not have a legal debt service coverage requirement. Pages A-14 and E-13 summarize the projected annual DSC ratio on existing and projected annual debt service for water and wastewater respectively; however, prudent financial management would dictate a DSC ratio of at least 1.00 times and even higher due to the variability in water revenues.

If system revenues are not adequate to fund annual expenditures and meet or exceed financial performance requirements, the following three variables are used to balance the financial plan:

- Draw down accumulated reserves to fund annual expenditures
- Issue debt to fund a portion of annual capital improvements
- Increase user charges

While revenue increases in each year of the study period are currently projected, adjustments to the increases projected may also be necessary depending on the level of future CIP expenditures and a variety of other factors, including, but not limited to system growth, water use patterns, inflation, and regulatory requirements. At a minimum, annual reviews should be used to periodically assess the condition of the water fund and necessity of future rate revenue adjustments with a comprehensive update completed in the next three to five years.

4.1.3.2. Total Fund

All water and wastewater fund revenues and expenditures are combined in two separate total funds summarized in pages A-2 and E-2 respectively. For financial planning purposes, Red Oak evaluated two different subfunds; an operating subfund and tap fee subfund within each of the two enterprise funds, i.e., water and wastewater.

The operations subfunds for water and wastewater are summarized on pages A-3 and E-3 respectively. Revenues include those generated from water and wastewater user charges and a variety of miscellaneous revenues. Expenditures include O&M expenses, non-growth related debt service and capital improvement projects (CIP) as well as additional cash inflows and outflows including future debt proceeds and expenses, transfers to the City's general fund and loans to and repayments from the tap fee subfund.

A water fund balance per City staff of approximately \$1.8 million was available as of January 1, 2010 entirely within the operations subfund. A wastewater fund balance of approximately \$4.1 million was available as of January 1, 2010 entirely within the operations subfund.

The water and wastewater tap fee subfunds are summarized on pages A-4 and E-4 respectively. Revenues include tap fee revenues and interest earnings. Expenditures include growth-related debt service and CIP as well as additional cash inflows and outflows including future growth-related debt proceeds, debt issuance expenses and debt service reserve requirements and loans from and repayments to the operations subfund.

4.1.3.3. User Charge Revenues

Red Oak projected existing rate revenues based on historical usage patterns and the current water rate structure. These projections are adjusted based on customer growth and developed in a variety of worksheets included in pages A-24 through A-41 and E-23 and E-40 respectively. In Section 4 of this report, proposed water rate alternatives are discussed while proposed wastewater rate alternatives are discussed in Section 5. The proposed alternative water structures are revenue neutral, i.e., each alternative is projected to generate approximately the same amount of water rate revenue for the years 2011 through 2013.

4.1.3.4. Tap Fee Revenues

Tap fees are one-time capital recovery fees assessed to new development to recover the cost of system capacity necessary to serve new customers. Proposed tap fees are discussed in Section 7 of this report. For financial planning purposes, this revenue stream is not sufficient to fully fund annual growth-related capital cost requirements and meet the established financial performance criteria. A combination of debt and loans from the operations fund are required to fund the anticipated growth-related capital above the amount funded by projected tap fee revenues. These loans are repaid as the tap fee subfund has funds available above the capital reserve requirement.

4.1.3.5. Miscellaneous Revenues

The water and wastewater funds have a variety of miscellaneous fee and charge revenues listed in pages A-2 and E-2 respectively within the revenue lines. The financial plan incorporates these revenues based on the 2010 budgeted revenues increased by 1% per year throughout the study period with the exception of interest earnings. Interest earnings are projected based on the average annual cash balance and an interest earnings rate of 2%.

4.1.3.6. O&M

Pages A-7 through A-10 summarizes projected water utility O&M expenditures over the 10-year study period while wastewater O&M expenses are included in pages E-7 through

E-9. Projected O&M expenditures are based on the City's line-item 2010 budget and adjusted for anticipated cost increases and inflation.

Based on City staff direction, the projected 2011 O&M assumes an increase of 10% in personnel-related O&M expenses reflecting full staffing levels necessary to execute increased annual water and wastewater capital improvements. A 4% annual cost inflation is also assumed for all types of O&M expenses annually over the 10-year study period.

In addition to increases for current budgeted O&M expenses, the City also identified an additional water right management position required to meet State water rights reporting requirements starting half-way through 2011. No additional wastewater O&M expenses were identified.

4.1.3.7. CIP

Capital improvement projects (CIP) are based on City staff-provided CIP projections in current year (2010) dollars for the years 2011-2019. The water fund CIP totals \$33.0 million and is summarized in pages A-11 through A-13 and the wastewater CIP totals \$35.9 million and is summarized in pages E-10 through E-12. The detailed project listing includes the dollar amount in current year and inflated dollars based on the anticipated year expended over the 10-year study period.

The City's CIP is divided into two parts, growth-related and non-growth related projects.

Growth-related project costs are the portion of the CIP line item that is related to expanding or adding system capacity to serve future customers. The growth-related CIP costs are incorporated in the separate water and wastewater tap fee subfunds and total \$8.5 million and \$9.7 million respectively over the 10-year study period. The tap fee subfund expenditures (growth-related capital and/or debt service) are generally funded by annual tap fee revenues.

Non-growth related projects are the portion of the CIP line-item related to repairing or replacing existing system assets for current system customers. The non-growth related CIP costs are incorporated in the separate water and wastewater operations subfund and total \$24.5 million and \$26.2 million respectively. The operations subfund expenditures (O&M, non-growth related capital and/or debt service) are generally funded by annual user charge revenues.

The 10-year financial plan and capital funding incorporate the inflated CIP amounts based on the anticipated timing of the projects and an assumed annual capital inflation rate of 3% starting in 2011.

4.1.3.8. Debt and Debt Service

The City has a single outstanding water loan and three outstanding wastewater loans. Pages A-15 through A-19 and E-14 through E-18 summarize existing outstanding and projected water and wastewater annual loan or debt obligations, annual debt service, and projected debt issues. Additional water and wastewater debt is projected to be required, starting in 2011 and continuing over the study period, to fund a portion of both future growth and non-growth related capital expenditures.

Projected debt is assumed at a 20-year term and includes issuance costs of 1% funded from the proceeds of the debt issue. A debt service reserve requirement equal to one year annual debt service is assumed and funded by system cash in the year of issuance. Projected 2011 debt is based on a 4.25% interest rate assuming funding of a portion of the 2011 debt through the State's State Revolving Fund (SRF) loan program which lends at a lower interest rate than typical revenue bonds. To conservatively project future requirements, debt starting in 2013 is assumed with a 6.00% interest rate.

4.1.3.9. Other Cash Inflows / Outflows

Other cash inflows / outflows include projected debt proceeds, debt issuance costs and debt service reserve deposits, annual CIP, and any transfers to the City's general fund.

For both water and wastewater funds, the operations subfund is loaning funds to the water tap fee subfund to fund expenditures not fully funded by projected tap fee revenues as summarized in page A-20 and E-19 respectively. The loans earn an interest rate of 2% that cumulates and are repaid as excess cash balance within the tap fee subfund are available. Red Oak recommends that the City establish a formal loan agreement/memorandum, to document this intra-fund loan arrangement and payback terms.

5. Water Cost of Service Analysis and Rate Alternatives

5.1. Cost of Service

Red Oak completed a cost of service analysis for a 2013 test year to identify the cost to provide service to retail and wholesale customer classifications as summarized in Appendix B.

5.1.1. Revenue Requirements

The total 2013 revenue requirements consist of \$1.2 million of operating expenses and \$2.7 million of capital costs. These costs are offset by \$1.6 million in other miscellaneous revenue sources and sources and uses (e.g., miscellaneous revenues, projected debt) and the change in cash balance of operations subfund. Water user charge revenues of \$2.3 million are required to fund the remaining revenue requirements as summarized by page B-1.

5.1.2. Units of Service

Service requirements for each class are based on the average daily water use projections and estimates of each class' maximum day and maximum hour demands and metering and billing requirements. Page B-9 summarizes projected 2013 class units of service.

The base cost responsibility varies with annual class water usage. Average day quantities are based on an analysis of the City's water billing records.

The responsibility for extra capacity costs varies with class extra capacity requirements for maximum day and maximum hour demands. Average day usage and capacity factors, representing the estimated relationship between individual class peak demand and average day usage, are used to develop extra capacity requirements for maximum day and maximum hour demands. The estimated capacity factors are based on an analysis of each class' average and peak monthly usage characteristics as derived from a detailed analysis of City's water billing records.

Fire protection costs evaluated include those related to maintenance of fire hydrants for public fire protection requirements for City customers. Prior to the next comprehensive rate study, the City may consider separating private fire protection customer account information and for the purpose of calculating and assessing a private fire protection monthly service charge to recover costs associated with system capacity related to private fire protection service and system connections. Currently these costs are recovered from

all customers. Pages B-18 and B-19 summarize fire flow requirements by customer class.

5.1.3. Allocation to Cost Components

There are four basic functional water cost components: base, extra capacity, customer and fire protection costs. Base costs vary directly with the quantity of water used under average day load conditions. Extra capacity costs represent those costs incurred due to customer peak daily and hourly demands for water in excess of average day usage. Customer costs include a portion of local distribution system costs, meters and services, and customer accounting and billing.

5.1.4. Allocation Factors

In order to provide adequate water service to its customers at all times, the water utility must be capable of not only of providing the total amount of water used, but also of supplying water at maximum daily and hourly demands.

Based on system design criteria, a maximum day to average day ratio of 2.40:1.00 is used based on demands experienced in the City's water system. This indicates that 42% (1 divided by 2.4) of the capacity of facilities designed and operated for maximum day demand is needed for average or base use. Accordingly, the remaining 62% is for maximum day extra capacity requirements.

Since maximum hour water usage also utilizes facilities designed and operated for average day and maximum day demands, the costs associated with meeting maximum hour demands are allocated to base, maximum day extra capacity, and maximum hour extra capacity. Based on the system design criteria, a ratio of maximum hour to annual average day water use of 3.84:1.00 is assumed. This ratio indicates that approximately 26% (1 divided by 3.84) of the capacity of facilities designed and operated for maximum hour demand is needed for average or base use, 36% (1 divided by 2.40 minus 1.00 or 1.40) is required to meet maximum day extra capacity demand, and the remaining 38% (1 divided by 3.84 minus 2.40 or 1.44) is for maximum hour extra capacity demand.

5.1.5. Allocation to Functional Cost Components

Various functions are involved in providing safe, on demand potable water to customers. Functional costs apply to both operating and capital costs. The following functional cost components were evaluated as part of the water cost of service analysis:

- Source of Supply / Water Rights
- Treatment
- Treated Water Storage
- Transmission

- Distribution
- Meters & Services
- Customer Accounting and Billing

Red Oak grouped existing assets into similar functions for the cost of service analysis. The approach included summarizing the original cost of existing water system assets by function as well as projected CIP by function added through improvements to a 2013 test year as summarized in page B-3. Page B-5 summarizes existing assets by function and page B-4 summarizes projected cumulative system improvements by function. The totals were used to allocate capital costs.

Adjustments to cost of service include a variety of miscellaneous operating revenues and expenditures and capital expenditures (including cash inflows and outflows) as summarized in Page B-8.

Revenue requirements are generally allocated to the functional cost components and these functional costs are then allocated among service categories that reflect the design parameter of the associated facility. For example, treatment facilities are those facilities that provide treated water to the City's customers designed to meet average and maximum day demands. Thus, treatment expenses are allocated to the base and maximum day service category cost components. In similar manner, transmission expenses are allocated to base, maximum day, and maximum hour service category cost components based on the design parameters related to maximum hour demand requirements.

Administration and general expenses are identified with system facilities or activities to the extent possible to simplify the allocation process. Those expenses that are not specifically assigned are allocated in proportion to all other revenue requirements and the proportion of directly allocated capital costs based on system facilities by the 2013 test-year.

Once operating and capital facilities are organized by function, the functional costs are allocated among service demand categories based on the service provided (e.g., treatment facilities and costs are sized based to provide treated water under maximum day conditions) and summarized in pages B-3, B-7, B-8 and B-10.

Net cost of service equals total cost of service less adjustments for miscellaneous revenue sources and other sources and uses as previously discussed and summarized in page B-1.

5.1.5.1. Wholesale and Retail Water System Components

All retail and wholesale customers benefit from the majority of functional water system components assets.

Table 5-1 summarizes the system components allocated to City retail and the single wholesale water customer. Distribution assets (and hence capital and O&M related revenue requirements) are not allocated to Steamboat II, a wholesale customer, as this customer does not benefit from or receive service from, the City’s distribution system.

**Table 5-1:
Water System Retail and Wholesale System Components**

Cost Type	City	Steamboat II
Water Rights / Source of Supply	x	x
Water Treatment	x	x
Treated Water Storage	x	x
Transmission	x	x
Distribution	x	
Meters & Services	x	x
Customer Accounting and Billing	x	x

5.1.6. Unit Cost of Service

Unit cost of service forms the basis for rate design and is the quotient of net cost of service divided by the applicable units of service for retail and wholesale customers.

The unit cost of service or unit cost for the wholesale functional cost components are based on the proportional demands of all customers.

The unit cost of service or unit cost for the retail only functional cost components exclude wholesale customer units of service and based on the proportional system demands of only retail customers.

Page B-10 details the 2013 unit cost of service. The resulting unit costs for all customer and City-only system components are listed on lines 40 and 41.

5.1.7. Allocation of Costs to Customer Classes

The City currently serves water customers inside the City and one wholesale customer outside the City. The City accounts are divided into the following three customer classifications:

- Residential
- Commercial
- Combined

The classifications group together customers with similar service requirement characteristics and provide a means for allocating costs to customers.

Pages B-2 and B-11 through B-14 summarize the class cost of service and summary level comparison to the revenue generated under the existing rates by each customer classification.

Class cost of service is the product of unit cost of service and class units of service summarized in Table 5-2. The summary of the cost of service for each customer classification is compared to the projected 2013 revenues generated from the same customers from the current rates. Overall, the system increases required by 2013 totals approximately 30%. The difference between the cost of service customer costs and the revenue generated from the current rates provides the necessary adjustment to user charges necessary to achieve cost of service results by 2013.

**Table 5-2:
2013 Test Year Water Cost of Service Compared
Revenue Under Existing Rates**

Line No.	Customer Class	2013 Test Year Cost of Service	2013 Revenue at Existing Rates	Indicated Revenue Increase
	City			
1	Residential	\$1,560,493	\$1,090,236	43.13%
2	Commercial	589,095	566,964	3.90%
3	Combined	69,365	81,937	-15.34%
4	Total	2,218,953	1,739,137	27.59%
	Wholesale			
5	Steamboat II	91,920	44,814	105.11%
6	Total	91,920	44,814	105.11%
7	Total System	\$2,310,873	\$1,783,951	29.54%

5.2. Rate Design

Red Oak worked with City staff to develop two water rate alternatives to phase to cost of service results by 2013. Appendix C includes more detailed information related to proposed rates and alternatives.

5.2.1. Existing Rates

The City bills water customer monthly. The current rate structure includes a monthly charge per unit regardless of water use. Residential customers are also assessed a volume charge based on a five tier fixed block water structure and increasing charge for each tier of water use. Commercial and combined customers are assessed a uniform volume charge per 1,000 gallons of water use. The wholesale customer, Steamboat II, is assessed a uniform charge per 1,000 gallons of water use. Table 5-3 summarizes the current water rate structure for all customers.

5.2.2. Proposed 2011 through 2013 Rates

Tables 5-3 and 5-4 summarize proposed 2011, 2012 and 2013 water rates for each City customer classification under Alternative 1 and 2 respectively. The rates for each alternative generate the same amount of revenue each year. The contract for Steamboat II outlines a methodology for annual adjustments to the volume rate per 1,000 gallons assessed to this customer and this approach will be used to increase the charge for inflation based cost increases. Red Oak has assumed a 4% annual increase consistent with the assumed annual rate of inflation for water O&M cost increases.

**Table 5-3:
Proposed Water Rate Alternative 1**

	Existing	Alternative 1		
	2010	2011	2012	2013
Monthly Service Charge - City				
Residential	\$15.00	\$17.12	\$19.43	\$21.96
Commercial	19.50	20.50	21.59	22.78
Combined	19.50	20.50	21.59	22.78
Residential Volume Rate per 1,000 gallons				
0 - 4,000 gallons	\$1.58	\$1.80	\$2.04	\$2.30
4,001 - 12,000 gallons	2.37	2.70	3.06	3.45
12,001 - 20,000 gallons	3.63	4.14	4.69	5.28
20,001 - 28,000 gallons	4.73	5.39	6.11	6.89
> 28,000 gallons	7.10	8.09	9.17	10.34
Commercial Volume Rate per 1,000 gallons	\$4.17	\$4.17	\$4.17	\$4.17
Combined Volume Rate per 1,000 gallons	\$4.17	\$4.17	\$4.17	\$4.17
Steamboat II Volume Rate per 1,000 gallons	\$1.02	\$1.06	\$1.11	\$1.15

**Table 5-4:
Proposed Water Rates Alternative 2**

	Existing	Alternative 2		
	2010	2011	2012	2013
Monthly Minimum Charge - City (1)				
Residential	\$15.00	\$24.32	\$27.59	\$31.16
Commercial	19.50	20.50	21.59	22.78
Combined	19.50	20.50	21.59	22.78
Residential Volume Rate per 1,000 gallons				
0 - 4,000 gallons (1)	\$1.58	\$0.00	\$0.00	\$0.00
4,001 - 12,000 gallons	2.37	2.37	2.63	2.95
12,001 - 20,000 gallons	3.63	3.63	4.03	4.52
20,001 - 28,000 gallons	4.73	4.73	5.25	5.89
> 28,000 gallons	7.10	7.10	7.88	8.84
Commercial Volume Rate per 1,000 gallons	\$4.17	\$4.17	\$4.17	\$4.17
Combined Volume Rate per 1,000 gallons	\$4.17	\$4.17	\$4.17	\$4.17
Steamboat II Volume Rate per 1,000 gallons	\$1.02	\$1.06	\$1.11	\$1.15
(1) For only Residential accounts, the first 4,000 gallons per unit is included in the Minimum Charge.				

5.2.2.1. Alternative 1

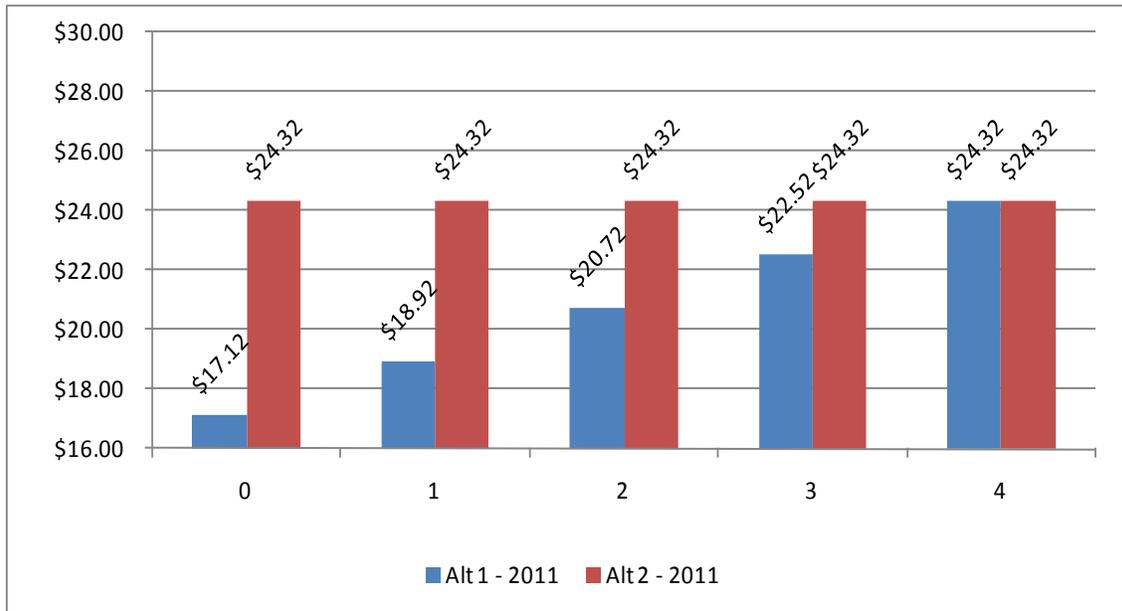
Alternative 1 is based on the City’s existing rate structure with annual increases to the monthly service charge per unit and volume charges per 1,000 gallon to generate annual water system rate revenue requirements and phase to cost of service results by 2013.

5.2.2.2. Alternative 2

Alternative 2 is similar to Alternative 1 and the current City’s rate structure with one difference for residential customers. 4,000 gallons per unit has been included in the monthly service charge per unit so that all customers would pay a flat charge per dwelling unit until the monthly water use exceeds 4,000 gallons. Approximately 12,000 residential customer bills or 40% of the annual residential bills issued have monthly water consumption below 4,000 gallons based on 2009 utility billing records. Starting with water use between 0 and 3,000 gallons per unit, the user would be assessed a volume charge per 1,000 gallon based on a four tiered fixed block rate structure.

Figure 5-1 summarizes the difference in monthly water bills for residential customers between Alternative 1 and 2 for those customers with monthly water use between 0 and 4,000 gallons.

Figure 5-1: 2011 Water Rate Alternatives - Monthly Bill for Consumption 0 - 4,000 Gallons



Commercial and combined customers would be assessed the same monthly service charge and volume rate per 1,000 gallons as under Alternative 1, i.e., no minimum water use allowance included in the Monthly Service Charge.

5.2.3. Customer Bill Impact

Table 5-5 summarizes monthly water bills at different monthly water use amounts for 2011, 2012 and 2013 alternative rates.

**Table 5-5:
Monthly Customer Bill Impact Compared**

Customer Classification	Monthly Use kgal	Current	2011		2012		2013	
			\$	%	\$	%	\$	%
Alternative 1								
Inside City - Residential	2	\$18.16	\$20.72	14.1%	\$23.51	13.5%	\$26.56	13.0%
	4	21.32	24.32	14.1%	27.59	13.4%	31.16	12.9%
	7	28.43	32.42	14.0%	36.77	13.4%	41.51	12.9%
	15	51.17	58.33	14.0%	66.13	13.4%	74.61	12.8%
	20	69.32	79.00	14.0%	89.56	13.4%	101.03	12.8%
Inside City - Commercial	28	136.26	137.26	0.7%	138.35	0.8%	139.54	0.9%
Alternative 2 (1)								
Inside City - Residential	2	18.16	24.32	33.9%	27.59	13.4%	31.16	12.9%
	4	21.32	24.32	14.1%	27.59	13.4%	31.16	12.9%
	7	28.43	31.43	10.6%	35.48	12.9%	40.01	12.8%
	15	51.17	54.17	5.9%	60.71	12.1%	68.32	12.5%
	20	69.32	72.32	4.3%	80.86	11.8%	90.91	12.4%
Inside City - Commercial	28	136.26	137.26	0.7%	138.35	0.8%	139.54	0.9%

6. Wastewater Cost of Service Analysis and Rate Alternatives

6.1. Cost of Service

Red Oak completed a cost of service analysis for the 2013 test year to identify customer, volume and extra strength costs as summarized in Appendix F.

6.1.1. Revenue Requirements

The total 2013 revenue requirement consists of \$1.7 million of operating expenses and \$2.9 of capital costs. These costs are partially offset by \$1.4 million in other miscellaneous revenue sources and sources and uses (e.g., miscellaneous system revenue and projected debt) and change in case balance of operations subfund. Wastewater user charges revenues of \$3.2 million are required to fund the remaining revenue requirements as summarized in page F-1.

6.1.2. Units of Service

Service requirements for each class are based on contributed wastewater volume and biological oxygen demand (BOD) and total suspended solids (TSS) strengths, dwelling units, metering and billing requirements. Page F-10 summarizes estimated 2013 class units of service.

Wastewater volume consists of two elements: contributed sanitary flow and infiltration/inflow (I/I) from storm event water runoff, snow melting and/or ground water that seeps into the wastewater collection and interceptor system. The City has relatively high amounts of I/I, particularly during the spring when snowpack is melting. Contributed wastewater flow is that portion of the annual water use that enters the sanitary wastewater system. Estimates of the contributed volume are based on annualized average winter period water use from October through March (winter water use period) for each customer classification during periods of the year which generally excludes non-wastewater water uses such as lawn sprinkling, car washing or that included in manufactured products. Red Oak estimated annualized winter water use period for residential, commercial and combined retail and wholesale customers as summarized in page F-9.

I/I represents approximately 39% of the total wastewater flow reaching the City's wastewater treatment plant. Each customer class should bear its proportionate share of the costs associated with I/I, as the wastewater system must be adequate to convey and process the total wastewater flow. Since the Steamboat II discharge point is metered at

the City's WWTP, the total amount of wastewater flow, including I/I, is based on actual meter readings; it is not estimated. For other "major" customer groups, the City, Mt. Werner and Tree Haus, the amount of I/I is not known and the amount attributable must therefore be estimated. For these customers, Red Oak estimates that 50% of I/I is based on the number of customers or size of the system and 50% is based on contributed volume. The results of the incorporation of annualized winter water use and volume and customer-related I/I are detailed on page F-9.

Red Oak estimates that the City will generate 1.4 million, pounds of biochemical oxygen demand (BOD) and 1.5 million pounds of total suspended solids (TSS) in 2013 based on 2009 historical loadings adjusted for customer and discharge growth.

The City also incurs customer costs related to local wastewater collectors, meters and services and billing its wastewater customers. Local wastewater collector are allocated based on the number of dwelling units while meters and services costs are based on equivalent residential units that vary based on water meter size. Billing costs are the same for each bill regardless of service requirements.

6.1.3. Allocation to Cost Components

Various functions or processes are involved in conveying and treating wastewater influent to meet environmental standards that apply to both operating and capital costs. The following functional cost components were evaluated as part of the wastewater cost of service analysis:

- Treatment
- Interceptor
- Local Collection
- Meters and Services
- Administration

Red Oak grouped existing assets into similar functions for the cost of service analysis. The approach included summarizing the original cost of existing water system assets by function as well as projected CIP by function added through improvements to a 2013 test year. Page F-5 summarizes existing assets by function and page F-4 summarizes projected cumulative system improvements by functional designation. The total of the existing system assets and projected CIP at of the 2013 test year is included by functional area on page F-3.

Adjustment to cost of service include a variety of miscellaneous operating revenues and expenditures and capital expenditures (including cash inflows and outflows) as summarized in page F-8.

Page F-11 shows the results of the allocation of revenue requirements to cost components. The cost of service process follows to steps. The first step allocates revenue requirements to the functional cost components. The second step allocates the functional costs among service characteristics. For example, wastewater treatment expenses are separated into volume, BOD, and TSS. Collection system expense is allocated to volume and customer costs (based on the proportion of interceptors and local collection lines) because a portion of the local collection lines provide available capacity to customers regardless of wastewater flow. Interceptors, or the system component that conveys wastewater effluent to the WWTP, are allocated based on the volume of wastewater flows.

There are three basic wastewater flow based components: volume, strength, and customer. Volume costs vary with the quantity of wastewater contributed. Strength costs vary with the strength of wastewater contributed. Customer costs vary in proportion to the number of units, customer equivalents, and annual bills.

Administration and general expenses are identified with system facilities or activities to the extent possible to simplify the allocation process. Those expenses that are not specifically assigned are allocated in proportion to all other operating expenses.

Once operating and capital facilities are organized by function, the functional costs are allocated among service demand categories based on the service provided (e.g., treatment facilities and costs are sized based to provide treated water under maximum day conditions) and summarized in pages F-3, F-7, F-8 and F-11.

Net cost of service equals total cost of service less adjustments for miscellaneous revenue sources and other sources as previously discussed and summarized in page F-1.

6.1.3.1. System Components Unit Costs

The City operates a full wastewater system for retail and wholesale customers as previously discussed. Mt. Werner and Tree Haus use the same components of the City's wastewater system while Steamboat II discharges very close the WWTP and uses different system components. Table 6-1 summarizes the system functional components and which customers benefit from each system component.

**Table 6-1:
Wastewater Retail and Wholesale System Components by Customer Type**

Cost Type	City	Mt. Werner	Steamboat II	Tree Haus
Treatment	X	X	X	X
Interceptor	X	X		X
Collection	X			
Steamboat II Lift Station			X	
Meters & Services	X	X	X	X
Administration	X	X	X	X

The City’s WWTP and disposal costs benefit all retail and wholesale customers as do the proportional administrative costs of running the system and customer costs of meter reading, billing and customer service. The City’s interceptor lines are used to convey wastewater effluent from local collection lines or system connection point with Mt. Werner / Tree Haus and benefits City retail, Mt. Werner, and Tree Haus customers. The lift station adjacent to the WWTP where Steamboat II discharges wastewater effluent only benefits Steamboat II and no other customers. Finally, the City local collection lines throughout the system benefits only City retail customers as the pipelines collect and convey wastewater discharges to the larger interceptor lines.

6.1.4. Unit Cost of Service

Unit cost of service forms the basis for rate design and is the quotient of net cost of service divided by the applicable units of service. Table F-11 summarizes the development of the 2013 test-year unit cost of service for full retail and wholesale customers based on the service received.

The unit cost of service or unit cost for the wholesale cost components are based on the proportional demands of all customers.

The unit cost of service or unit cost for the retail only functional cost components exclude wholesale customer units of service and based on the proportional system demands of only retail customers.

Lines 48 through 50 of pages F-11 summarize the 2013 unit cost of service development and results.

6.1.5. Allocation of Costs to Customer Classes

The City serves wastewater customers inside the City and three wholesale customers outside the City as discussed in Section 3.

These classes group customers with similar service requirement characteristics and provide a means for allocating costs to customers.

Class cost of service is the product of unit cost of service and class units of service summarized in Table 6-2.

**Table 6-2:
Wastewater 2013 Test Year Class Cost of Service Compared to
Revenue Under Existing Rates**

Customer Class	2013 Test Year Cost of Service	2013 Revenue at Existing Rates	Indicated Revenue Increase
City			
Residential	\$1,172,477	\$940,585	24.65%
Commercial	467,879	454,954	2.84%
Combined	90,177	98,779	-8.71%
Total City	\$1,730,533	\$1,494,318	15.81%
Wholesale			
Steamboat II - Residential	\$151,401	\$34,396	340.17%
Steamboat II - Commercial	1,226	716	71.23%
Steamboat II - Combined	0	0	#N/A
Total Steamboat II	\$152,627	\$35,112	334.69%
Mt. Werner - Residential	\$833,381	\$781,161	6.68%
Mt. Werner - Commercial	275,237	152,620	80.34%
Mt. Werner - Combined	135,512	78,495	72.64%
Total Mt. Werner	\$1,244,130	\$1,012,276	22.90%
Tree Haus - Residential	\$32,253	\$13,979	130.72%
Total Wholesale	\$1,429,010	\$1,061,367	34.64%
Total System	\$3,159,543	\$2,555,685	23.63%

The summary of the cost of service for each customer classification is compared to the projected 2013 revenues generated from the same customers from the current rates. Overall, the system increases required by 2013 totals approximately 24%. The difference between the cost of service customer costs and the revenue generated from the current rates provides the necessary adjustment to user charges necessary to achieve cost of service results by 2013.

6.2. Rate Design

Red Oak worked with City staff to develop a single wastewater rate schedule to phase to cost of service results by 2013.

6.2.1. Existing Rates

The City bills wastewater customer monthly, except for Mt. Werner which is billed quarterly. The rate structure is the same for retail and wholesale customer classifications, but the unit rate applied for City, and wholesale customers varies. The current rate structure includes a different monthly charge per unit regardless of winter water use. Residential customers are not assessed a volume rate per 1,000 gallons of winter water use. Commercial customers are assessed a uniform volume charge per 1,000 gallons of winter water use. Combined customers are assessed the greater of the amount calculated based on the monthly charge per unit and number of units or the volume rate per 1,000 gallon times monthly winter water use.

Table 6-3 summarizes the current wastewater rates and structure for all retail and wholesale customers.

6.2.2. Proposed 2011 through 2013 Rates

Tables 6-3 and 6-4 summarize proposed 2011, 2012 and 2013 wastewater rates for City and wholesale customers by customer classification. For City and Mt. Werner customers, there remains some subsidy among the combined customer classifications and the residential and commercial customer classifications due to the uniqueness of this class of user and the current and proposed charges are applied to them. All other subsidies between City and wholesale customer classes have been eliminated by 2013. The proposed rates for each of the four major customers (City, Mt. Werner, Steamboat II and Tree Haus) reflect their indicated cost of service by 2013. Red Oak updated the City's septage hauler rate per gallon summarized in page F-12 and the proposed rates are listed in Table 6-3.

**Table 6-3:
Proposed 2011, 2012 and 2013 Retail Customer Wastewater Rates**

	Existing	Retail Customer Rates		
	2010	2011	2012	2013
Monthly Service Charge - City				
Residential	\$26.88	\$29.25	\$31.26	\$33.10
Commercial	23.61	24.65	25.53	26.35
Combined	23.61	24.65	25.53	26.35
Volume Rate per 1,000 gallons				
Residential	0.00	0.00	0.00	0.00
Commercial	4.97	4.98	4.99	5.00
Combined	4.97	4.98	4.99	5.00
Septage Haulers Rate per gallon	\$0.020	\$0.026	\$0.031	\$0.035

**Table 6-4:
Proposed 2011, 2012 and 2013 Wholesale Customer Wastewater Rates**

	Existing	Wholesale Customer Rates		
	2010	2011	2012	2013
Monthly Service Charge - Steamboat II				
Residential	\$7.06	\$16.22	\$23.98	\$31.10
Commercial	0.00	0.00	0.00	0.00
Volume Rate per 1,000 gallons - Steamboat II				
Residential	0.00	0.00	0.00	0.00
Commercial	2.67	3.41	4.03	4.60
Combined	2.67	3.41	4.03	4.60
Monthly Service Charge - Mt. Werner				
Residential	10.59	10.84	11.05	11.25
Commercial	0.00	0.00	0.00	0.00
Combined	10.59	10.84	11.05	11.25
Volume Rate per 1,000 gallons - Mt. Werner				
Residential	0.00	0.00	0.00	0.00
Commercial	2.67	3.48	4.16	4.79
Combined	2.67	3.48	4.16	4.79
Monthly Service Charge - Tree Haus				
Residential	\$10.59	\$15.87	\$20.35	\$24.45

6.2.3. Customer Bill Impact

Table 6-5 summarizes the change in different customer bills for 2011, 2012 and 2013 respectively. Residential customers are charged a single rate per dwelling unit. The change in commercial bills varies based on the monthly winter water use.

**Table 6-5:
Wastewater Customer Bill Impact**

Customer Classification	Monthly Use kgal	Current \$	Typical Bills by Customer Class					
			2011		2012		2013	
			\$	%	\$	%	\$	%
Inside City - Residential		\$26.88	\$29.25	8.8%	\$31.26	6.9%	\$33.10	5.9%
Inside City - Commercial	9	68.34	69.47	1.7%	70.44	1.4%	71.35	1.3%
	18	113.07	114.29	1.1%	115.35	0.9%	116.35	0.9%
	27	157.80	159.11	0.8%	160.26	0.7%	161.35	0.7%
Wholesale Customers								
Steamboat II - Residential		7.06	16.22	129.7%	23.98	47.8%	31.10	29.7%
Steamboat II - Commercial	20	53.40	68.20	27.7%	80.60	18.2%	92.00	14.1%
Mt. Werner - Residential		10.59	10.84	2.4%	11.05	1.9%	11.25	1.8%
Mt. Werner - Commercial	52	138.84	180.96	30.3%	216.32	19.5%	249.08	15.1%
Tree Haus - Residential		10.59	15.87	49.9%	20.35	28.2%	24.45	20.1%

7. Water and Wastewater Tap Fees

Red Oak worked with City staff to evaluate the existing water and wastewater tap fees assessed by the City. Tap fees are one-time capital recovery fees assessed to new development to recover the cost of system capacity to serve new customers.

The City currently assesses three different tap fees; a water system tap fee, a wastewater treatment plant (WWTP) and interceptor tap fee to city, and wholesale customers and a wastewater collection tap fee to only City customers.

Red Oak also worked with City staff to calculate a new water rights tap fee.

Table 7-1 summarizes the current and updated City water and wastewater tap fees and overall change.

**Table 7-1:
Current and Updated Water and Wastewater Tap Fees**

Description	Current	Updated	Change
Water System (1)	\$3,640	\$3,576	(\$64)
Water Rights (1)	0	5,223	5,223
Total Water	3,640	8,799	5,159
WWTP & Interceptor (1)	3,424	4,334	910
Collection System (1)	371	591	220
Total Wastewater	3,795	4,925	1,130
Total Water and Wastewater	\$7,435	\$13,724	\$6,289
(1) Fee assessed per fixture unit. Assumes 140 water fixture units and 130 wastewater fixture units per equivalent residential connection.			

Table 7-2 summarizes proposed tap fees for wholesale water and wastewater customers. New development within Steamboat II is assessed 50% of the water tap fee and 86.85% of the wastewater tap fee within the City's service area. New development within Mt. Werner and Tree Haus are assessed the WWTP and Interceptor tap fee.

**Table 7-2:
Current and Updated Wholesale Customer Water and Wastewater Tap Fees**

Description	Current	Updated	Change
Water System (1)	\$1,820	\$1,788	(\$32)
Water Rights (1)	0	2,612	2,612
Total Water	1,820	4,400	2,580
WWTP & Interceptor (1)	3,424	4,334	910
Steamboat II - Wastewater (2)	3,296	4,277	981
(1) Fee assessed per fixture unit. Assumes 140 water fixture units and 130 wastewater fixture units per equivalent residential connection.			
(2) Steamboat II wastewater tap fee equal to 86.85% of the City's total wastewater fee per Settlement Agreement with Steamboat II dated July 3rd, 2003.			

The proposed tap fees incorporate the replacement cost value of existing water and sewer indexed to the 20-City Engineering News Record Construction Cost Index (ENR-CCI) cost index to estimate the replacement cost of existing assets. Red Oak recommends that the City apply the change in this index to tap fees to maintain the fees for inflation between comprehensive updates to the water and sewer tap fees.

7.1.1. Tap Fee Overview and Background

Tap fees are one-time fees assessed to a new customer connecting to the utility system, or an existing customer who is increasing their demand on the system. The fee recovers the capital cost of system capacity dedicated to or “used up” by the new connection.

Generally, there are three recognized capital recovery methods which can serve as a rational basis for computing the capital cost of utility service as follows:

- Buy-in
- Incremental
- Hybrid

Regardless of the underlying methodology, system tap fees should fairly represent the cost per unit of capacity of system assets.

The Buy-In method values the capital cost of system capacity based on the original costs of booked fixed assets. The Incremental method is a forward-looking approach, which considers only future growth-related capital projects in setting tap fees.

One shortcoming of the Incremental approach is its accounting for excess capacity in the existing system that will be used to serve new customers. This is a particular disadvantage for communities with recently completed facility expansions. Conversely, for an expanding utility, the Buy-In approach does not account for the unit cost of new facilities to be built for new customers.

The Hybrid method bases tap fees on a combination of the costs of existing system capacity and the costs of future expansion or additions over a specified planning horizon.

Red Oak used the Hybrid method to update the following current City tap fees:

- Water System
- WWTP / Interceptor
- Wastewater System Collection Fee

The Hybrid method is best suited for a utility like the City that has moderate growth expectations and where much of the major backbone infrastructure already exists and is sized for build-out, but some additional capital expenditures will be required to serve new customers.

The Buy-In approach was used to calculate the proposed water rights fee as it was the mostly completed water rights acquisition project undertaken by the City and is the best representation of the unit cost of future water rights investments necessary to serve new growth.

7.1.2. Water System Tap Fee Update

Page D-2 summarizes the updated water system tap fee per EQR based on the Hybrid approach.

7.1.2.1. Assets

Red Oak worked with City staff to calculate the replacement cost of existing water system assets summarized in pages D-3 through D-7 based on the original cost, date in service and the ENR-CCI. Assets associated with water rights have been excluded as the unit cost of this component of system assets are recovered through the new water rights tap fee. Assets acquired through developer contributions have been also excluded from the water system assets and tap fee calculation as similar asset contributions are anticipated to be required of future developers in addition to the payment of the water system tap fee. The net asset value used is \$36.0 million.

7.1.2.2. Growth-Related Capital Improvements

Future growth-related system improvements over 2010 through 2029 total \$35.5 million in 2010 dollars summarized in Page D-8. City staff provided Red Oak with the percent of future improvements related to providing additional capacity to serve future customers

included in page D-8. \$8.7 million is related to future growth-related water rights system improvements and this amount is deducted from the total growth-related improvements in arriving at the \$26.8 million used in the development of the updated water system tap fee.

7.1.2.3. Debt

The only existing water debt issue, a Series 1991 loan, is non-growth related and was not included in the updated water system tap fee.

Future debt is projected to be required to fund a portion of future growth-related improvements over the next ten years as summarized in page D-9. Red Oak did not evaluate debt requirements for growth-related improvements projected to be required in 2020 through 2029.

The net present value of interest cost of future growth-related water debt issues is \$2.2 million and was calculated by discounting the interest portion of future annual debt service payments by the assumed interest rate of each issue. The 2011 debt assumes a 4.25% interest rate while 2013 and subsequent debt issues assume a 6.00% interest rate.

7.1.2.4. System Capacity

The water system has some excess capacity available to serve future customers as well as growth-related improvements anticipated to provide additional capacity.

Per City staff, the current water treatment plant capacity is 5.3 million gallons per day (mgd) based on:

- 4.5 mgd capacity at the Fish Creek Filtration Plant or 60% of the total 7.5 mgd plant capacity owned jointly with the Mt. Werner Water District.
- 0.8 mgd of the Yampa River Filtration Galleries.

The City's 20-year growth-related CIP includes 5.6 mgd of planned water treatment plant capacity additions as follows:

- 2.25 mgd or City's portion of a planned capacity expansion at the Fish Creek Filtration Plant.
- 0.85 mgd or City's portion of new Yampa River Filtration Galleries.
- 2.5 mgd or the City's portion of a new water treatment plant.

The total current and future City capacity is 10.9 mgd. Based on system design criteria for maximum day water demands of 600 gallons per day per EQR, the City will be able to serve approximately 18,167 EQRs once proposed system improvements are completed. The capacity to serve is used to calculate the unit cost per EQR summarized in page D-2.

7.1.3. Water Rights Tap Fee

Page D-1 summarizes the proposed water rights fee per fixture unit based on the Buy-in Approach.

7.1.3.1. Assets

Red Oak worked with City staff to calculate the replacement cost of a 1996 City water resource investment to expand the Fish Creek Reservoir and increase City water resource portfolio. The replacement cost of \$11.0 million includes infrastructure, legal and financing costs summarized in Page D-1.

7.1.3.2. System Capacity

The 1996 expansion of the Fish Creek Reservoir yielded a total of 2,280 acre-feet in expanded City water resource capacity. Of this total, 1,030 acre-feet is dedicated to a fisheries conservation pool and 200 acre-feet of minimum in-stream flow yielding 1,050 acre-feet is net active additional water resources added available to serve utility customers.

1,050 acre-feet provides capacity to service 2,100 EQRs based on 0.5 acre-feet per EQR per City staff.

7.1.4. Wastewater Treatment Plant and Interceptor Fee

Page H-1 summarizes the updated wastewater treatment plant (WWTP) and interceptor tap fee per EQR based on the Hybrid approach.

7.1.4.1. Assets

Red Oak worked with City staff to calculate the replacement cost of total existing wastewater system assets delineated in pages H-3 through H-7 based on the original cost, date in service and the ENR-CCI. Wastewater system assets related to the WWTP and disposal of treated effluent, wastewater interceptor, and miscellaneous system were included in the replacement cost calculation for this fee and totals \$41.1 million

7.1.4.2. Growth-Related Capital Improvements

Future growth-related system improvements over 2010 through 2029 and related to the WWTP and disposal and interceptor total \$9.1 million in 2010 dollars summarized in page H-7. City staff provided Red Oak with the percent of future improvements related to providing additional capacity to serve future customers included in page H-7.

7.1.4.3. Debt

The wastewater system has the following outstanding debt issues:

- Series 1995
- Series 1999

■ Series 2001

All three issues were related to improvements at the WWTP and the Series 1999 and 2001 loans are considered 100% growth-related. The net present value of future interest payments associated with outstanding debt is approximately \$1.4 million as summarized in pages H-8.

Future debt is projected to be required to fund a portion of future growth-related WWTP and disposal and interceptor improvements over the next ten years as summarized in page H-11. Red Oak did not evaluate debt requirements for growth-related improvements projected to be required in 2020 through 2029.

The net present value of interest cost of future growth-related water debt issues is \$4.5 million and was calculated by discounting the interest portion of future annual debt service payments by the assumed interest rate of each issue. The 2011 debt assumes a 4.25% interest rate while 2013 and subsequent debt issues assume a 6.0% interest rate.

7.1.4.4. System Capacity

The wastewater system has some excess capacity available to serve future customers as well as growth-related improvements anticipated to provide additional capacity.

Per City staff, the City's portion of current WWTP hydraulic capacity is 7.5 mgd during wet weather months. No additional expansions to the wet weather WWTP hydraulic capacity is anticipated over the twenty-year period. The total future hydraulic capacity is currently anticipated to be 7.5 mgd.

The City's average day demand design criteria is 280 gallons per day per EQR. In order to evaluate the system capacity during the wet weather months where the peak flows at the WWTP are registered, Red Oak increased the average day design value based on the ratio of maximum daily flow during wet weather months of 6.07 mgd to the maximum daily flow during dry months of 2.93 mgd or a peak month ratio of approximately 2.1 times the average month amount. The result is an estimated flow of 580 gallons per day per EQR capacity constraint. Based on the capacity and adjusted design criteria, the City will be able to serve approximately 12,930 EQRs once proposed system improvements are completed. The capacity to serve is used to calculate the unit cost per EQR summarized in page H-1.

7.1.5. Wastewater Collection System

Page H-2 summarizes the updated wastewater collection system tap fee per EQR based on the Hybrid approach.

7.1.5.1. Assets

Wastewater collection system assets total approximately \$7.7 million excluding developer contributed wastewater collection system assets.

7.1.5.2. Growth-Related Capital Improvements

The City does not anticipate future system funded growth-related collection system improvements as summarized in page H-7.

7.1.5.3. Debt

No existing debt is outstanding related to the wastewater collection system assets. Since no additional growth-related capital is anticipated, there is no additional growth-related debt required to fund improvements.

7.1.5.4. System Capacity

The system capacity is constrained by the WWTP hydraulic capacity and the 12,930 EQRs that can be served by current and future capacity was used in the development of the proposed wastewater collection system tap fee.

Appendix A - Water Financial Plan and Customer Data



STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
DECISION CRITERIA - WATER

FILE: Stmboat_W
SCHEDULE: Dec_Crit
DATE: 09/01/10
RANGE: DECCRIT1

Line No.	DESCRIPTION	Estimated	Projected									Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
1	Rate Revenue Increase	0.0%	9.0%	9.0%	9.0%	8.0%	6.0%	5.0%	5.0%	5.0%	5.0%	9%
2	Effective Month of Rate Increase (effective 1st day of month: 1=Jan 12=Dec)	1	1	1	1	1	1	1	1	1	1	1
3	Typical Residential Bill (1 unit and 7 kgals per month)	\$28.43	\$30.99	\$33.78	\$36.82	\$39.76	\$42.15	\$44.26	\$46.47	\$48.79	\$51.23	\$ 36.82
4	Water System Fee Increase	0.0%	-1.7%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2%
5	Effective Month of Fee Increase (effective 1st day of month: 1=Jan 12=Dec)	1	1	1	1	1	1	1	1	1	1	1.00
6	Water System Fee per Fixture	\$26.00	\$25.55	\$26.06	\$26.58	\$27.11	\$27.66	\$28.21	\$28.77	\$29.35	\$29.94	\$26.58
7	Water Resource Fee per Fixture	\$0	\$37.31	\$38.06	\$38.82	\$39.59	\$40.39	\$41.19	\$42.02	\$42.86	\$43.71	
Bond/Loan Proceeds												
8	Operations Subfund Revenue Bonds	\$0	\$7,300,000	\$0	\$4,100,000	\$0	\$3,800,000	\$0	\$3,800,000	\$0	\$2,100,000	\$4,100,000
9	Tap Fee Subfund Revenue Bonds	0	2,800,000	0	0	0	500,000	0	2,000,000	0	0	0
10	Total	\$0	\$10,100,000	\$0	\$4,100,000	\$0	\$4,300,000	\$0	\$5,800,000	\$0	\$2,100,000	\$4,100,000
Loans (to) Tap Fee Subfund from Operations Subfund												
11	Annual	(\$260,000)	\$0	\$0	\$220,000	\$57,032	\$0	\$0	\$0	\$0	\$0	\$220,000
12	Payments	-	-	-	-	-	-	-	-	-	-	0
13	Cumulative Loan Balance	\$260,000	\$265,200	\$270,504	\$55,914	\$0	\$0	\$0	\$0	\$0	\$0	\$55,914
14	(Principal & Accrued Int)											
Cash Balances - End of Year												
15	Operations Subfund	\$428,801	\$2,766,680	\$534,890	\$2,934,722	\$640,991	\$2,259,034	\$711,792	\$2,481,109	\$709,334	\$788,235	\$2,934,722
16	Tap Fee Subfund	31,657	524,257	3,110	148,329	758,466	1,703,358	318,343	419,013	1,016,459	1,542,522	148,329
17	Total Fund	\$460,458	\$3,290,937	\$538,000	\$3,083,051	\$1,399,457	\$3,962,392	\$1,030,135	\$2,900,122	\$1,725,793	\$2,330,757	\$3,083,051
18	Debt Service Coverage Includes Dev. Fees [1]	9.38	1.33	1.99	2.25	2.13	1.94	1.84	1.65	1.56	1.58	2.25
19	Debt Service Coverage Excludes Dev. Fees [1]	9.17	1.10	1.45	1.30	1.30	1.20	1.18	1.06	1.02	1.05	1.30
Cash Balance Reserve Requirements [2]												
20	Operations Subfund	\$319,271	\$568,637	\$1,148,225	\$772,056	\$635,441	\$812,875	\$709,330	\$659,659	\$689,678	\$721,082	772,056
21	Tap Fee Subfund	0	49,857	417,029	146,781	65,127	11,255	52,121	433,739	485,970	12,668	146,781
22	Total Fund	\$319,271	\$618,494	\$1,565,255	\$918,837	\$700,568	\$824,130	\$761,451	\$1,093,398	\$1,175,648	\$733,750	918,837
23	Cash Reserve Ratio [3] - Operations Subfund	45.2%	265.5%	47.8%	252.0%	52.9%	179.3%	54.3%	182.1%	50.1%	53.5%	252%
24	Cash Reserve Ratio [3] - Total Fund	48.6%	315.8%	48.0%	264.7%	115.5%	314.6%	78.6%	212.9%	121.8%	158.2%	265%
25	Cash Reserve Ratio [4] - Operations Subfund	31.5%	230.9%	-34.8%	205.7%	20.5%	134.8%	20.2%	153.7%	21.4%	24.6%	206%
26	Cash Reserve Ratio [4] - Total Fund	48.6%	276.4%	-71.7%	205.8%	77.7%	269.1%	40.5%	152.6%	58.8%	128.4%	206%
27	Cumulative Debt Issued	\$0	\$10,100,000	\$10,100,000	\$14,200,000	\$14,200,000	\$18,500,000	\$18,500,000	\$24,300,000	\$24,300,000	\$26,400,000	\$14,200,000
28	Cumulative % of CIP Funded by Debt	0.0%	115.3%	82.9%	98.1%	81.9%	93.3%	77.3%	85.6%	79.4%	80.0%	
Funded CIP - Inflated \$												
29	Operations Subfund	\$1,801,038	\$4,621,278	\$2,695,638	\$1,965,977	\$2,804,699	\$2,236,583	\$1,935,827	\$2,031,424	\$2,131,766	\$2,237,087	\$1,965,977
30	Tap Fee Subfund	249,285	2,085,147	733,904	325,633	56,275	260,605	2,168,697	2,429,849	63,339	182,185	325,633
31	Total Annual CIP	2,050,323	6,706,425	3,429,542	2,291,609	2,860,974	2,497,188	4,104,524	4,461,273	2,195,104	2,419,272	2,291,609
32	Cumulative CIP Amount	\$2,050,323	\$8,756,748	\$12,186,290	\$14,477,900	\$17,338,874	\$19,836,062	\$23,940,586	\$28,401,859	\$30,596,963	\$33,016,235	\$14,477,900

[1] Target debt service coverage including development fees: 1.5. Legal requirement of 1.1.

[2] Target ending cash balance for capital project reserve at 20% of previous year capital expenditures. Operations cash reserve ratio of 20% of annual O&M expenditures also included.

[3] Target ending cash balance as a percent of O&M expenditures: 20%

[4] Excludes Capital Reserve Cash balance target. Target ending cash balance as a percent of O&M expenditures: 20%

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
CASH FLOW PROJECTION - TOTAL FUND

FILE: Stmboat_W
SCHEDULE: CASHFLOW
DATE: 09/01/10
RANGE: CF_TOTAL

Line No.	DESCRIPTION	Projected										Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Operating Revenues												
1	Water User Charges	\$1,749,090	\$1,910,729	\$2,094,661	\$2,310,268	\$2,539,271	\$2,739,140	\$2,926,893	\$3,127,538	\$3,341,965	\$3,570,983	2,310,268
2	Meter Sales (new)	2,500	2,525	2,550	2,576	2,602	2,628	2,654	2,680	2,707	2,734	2,576
3	Misc Chgs - Materials	1,000	1,010	1,020	1,030	1,041	1,051	1,062	1,072	1,083	1,094	1,030
4	Misc Chgs - Labor/Equip	2,500	2,525	2,550	2,576	2,602	2,628	2,654	2,680	2,707	2,734	2,576
5	Tap Fees	20,942	202,557	414,994	903,512	933,199	969,092	1,006,365	1,045,072	1,085,267	1,120,782	903,512
6	Charges for Service	4,500	4,545	4,590	4,636	4,683	4,730	4,777	4,825	4,873	4,922	4,636
7	Penalties	1,500	1,515	1,530	1,545	1,561	1,577	1,592	1,608	1,624	1,641	1,545
8	Interest Income - Invest	35,194	9,209	65,819	10,760	61,661	27,989	79,248	20,603	58,002	34,516	10,760
9	Filtration Bay Lease Pmt	60,000	60,600	61,206	61,818	62,436	63,061	63,691	64,328	64,971	65,621	61,818
10	Total Operating Revenues	1,877,226	2,195,215	2,648,921	3,298,722	3,609,055	3,811,894	4,088,935	4,270,406	4,563,200	4,805,027	3,298,722
Operating Expenditures												
11	Operating	948,415	1,042,147	1,119,849	1,164,643	1,211,228	1,259,677	1,310,064	1,362,467	1,416,966	1,473,644	1,164,643
12	Total Operating Expenditures	948,415	1,042,147	1,119,849	1,164,643	1,211,228	1,259,677	1,310,064	1,362,467	1,416,966	1,473,644	1,164,643
13	Net Income Available for Debt Service	928,811	1,153,068	1,529,072	2,134,079	2,397,826	2,552,216	2,778,871	2,907,939	3,146,234	3,331,382	2,134,079
Debt Service												
14	Debt Service Payments - Existing	99,020	99,655	0	0	0	0	0	0	0	0	0
15	Debt Service Payments - New	0	767,318	767,318	947,833	1,128,349	1,317,670	1,506,991	1,762,355	2,017,718	2,110,178	947,833
16	Total Debt Service	\$99,020	\$866,973	\$767,318	\$947,833	\$1,128,349	\$1,317,670	\$1,506,991	\$1,762,355	\$2,017,718	\$2,110,178	\$947,833
17	DSC Ratio (1)	9.38	1.33	1.99	2.25	2.13	1.94	1.84	1.65	1.56	1.58	
18	Income Available After Debt Service	\$829,791	\$286,095	\$761,755	\$1,186,246	\$1,269,478	\$1,234,546	\$1,271,880	\$1,145,584	\$1,128,515	\$1,221,205	\$1,186,246
Other Cash Inflows/(Outflows)												
19	Private Contributions	0	0	0	0	0	0	0	0	0	0	0
20	WCONV Private Contribution	0	0	0	0	0	0	0	0	0	0	0
21	Bond/Loan Proceeds	0	10,100,000	0	4,100,000	0	4,300,000	0	5,800,000	0	2,100,000	4,100,000
22	Capital Improvements	(2,050,323)	(6,706,425)	(3,429,542)	(2,291,609)	(2,860,974)	(2,497,188)	(4,104,524)	(4,461,273)	(2,195,104)	(2,419,272)	(2,291,609)
23	Debt Service Reserve Deposit (New Debt)	0	(767,318)	0	(361,031)	0	(378,643)	0	(510,727)	0	(184,918)	(361,031)
24	Transfer to General Fund	(78,725)	(81,874)	(85,149)	(88,555)	(92,097)	(95,781)	(99,612)	(103,597)	(107,741)	(112,050)	(88,555)
25	Loan (To) Devel. Fee Subfund	0	0	0	0	0	0	0	0	0	0	0
26	Total Other Cash Inflows/(Outflows)	(2,129,048)	2,544,383	(3,514,691)	1,358,804	(2,953,071)	1,328,388	(4,204,136)	724,403	(2,302,845)	(616,241)	1,358,804
27	Increase/(Decrease) in Cash Balance	(1,299,257)	2,830,479	(2,752,937)	2,545,050	(1,683,594)	2,562,934	(2,932,257)	1,869,987	(1,174,329)	604,964	2,545,050
28	Beginning of Year Cash Balance	1,759,715	460,458	3,290,937	538,000	3,083,051	1,399,457	3,962,392	1,030,135	2,900,122	1,725,793	538,000
29	End of Year Cash Balance	460,458	3,290,937	538,000	3,083,051	1,399,457	3,962,392	1,030,135	2,900,122	1,725,793	2,330,757	3,083,051
30	Capital Project Fund Reserve (2)	129,588	410,065	1,341,285	685,908	458,322	572,195	499,438	820,905	892,255	439,021	685,908
31	End of Year Cash Balance Less Capital Project Fund Reserve	\$330,870	\$2,880,872	(\$803,285)	\$2,397,142	\$941,135	\$3,390,197	\$530,697	\$2,079,217	\$833,538	\$1,891,736	\$2,397,142
32	Cash Reserve Ratio Before Capital Project Reserve (3)	48.6%	315.8%	48.0%	264.7%	115.5%	314.6%	78.6%	212.9%	121.8%	158.2%	264.7%
32	Cash Reserve Ratio After Capital Project Reserve (4)	48.6%	276.4%	-71.7%	205.8%	77.7%	269.1%	40.5%	152.6%	58.8%	128.4%	205.8%

(1) Target debt service coverage: 1.5 Legal requirement of 1.1
(2) Target ending cash balance of 20% of previous year capital improvements.
(3) Target ending cash balance as a percent of O&M expenditures: 20%
(4) Excludes Capital project fund reserve. Target ending cash balance as a percent of O&M expenditures: 20%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CASH FLOW PROJECTION - OPERATIONS SUBFUND

FILE: Stmboat_W
 SCHEDULE: CASHFLOW
 DATE: 09/01/10
 RANGE: CF_OPS

Line No.	DESCRIPTION	Projected										Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Operating Revenues												
1	Water User Charges	\$1,749,090	\$1,910,729	\$2,094,661	\$2,310,268	\$2,539,271	\$2,739,140	\$2,926,893	\$3,127,538	\$3,341,965	\$3,570,983	2,310,268
2	Meter Sales (new)	2,500	2,525	2,550	2,576	2,602	2,628	2,654	2,680	2,707	2,734	2,576
3	Misc Chgs - Materials	1,000	1,010	1,020	1,030	1,041	1,051	1,062	1,072	1,083	1,094	1,030
4	Misc Chgs - Labor/Equip	2,500	2,525	2,550	2,576	2,602	2,628	2,654	2,680	2,707	2,734	2,576
5	Charges for Service	4,500	4,545	4,590	4,636	4,683	4,730	4,777	4,825	4,873	4,922	4,636
6	Penalties	1,500	1,515	1,530	1,545	1,561	1,577	1,592	1,608	1,624	1,641	1,545
7	Interest Income - Invest	35,194	8,576	55,334	10,698	58,694	12,820	45,181	14,236	49,622	14,187	10,698
8	Filtration Bay Lease Pmt	60,000	60,600	61,206	61,818	62,436	63,061	63,691	64,328	64,971	65,621	61,818
9	Total Operating Revenues	1,856,284	1,992,025	2,223,442	2,395,148	2,672,889	2,827,633	3,048,503	3,218,968	3,469,552	3,663,915	2,395,148
Operating Expenditures												
10	Operating	948,415	1,042,147	1,119,849	1,164,643	1,211,228	1,259,677	1,310,064	1,362,467	1,416,966	1,473,644	1,164,643
11	Total Operating Expenditures	948,415	1,042,147	1,119,849	1,164,643	1,211,228	1,259,677	1,310,064	1,362,467	1,416,966	1,473,644	1,164,643
12	Net Operating Income Avail. for Debt Service	907,869	949,877	1,103,593	1,230,505	1,461,660	1,567,955	1,738,439	1,856,500	2,052,587	2,190,271	1,230,505
Debt Service												
13	Debt Service Payments - Existing	99,020	99,655	0	0	0	0	0	0	0	0	0
14	Debt Service Payments - New	0	554,596	554,596	735,111	915,627	1,082,934	1,250,241	1,417,549	1,584,856	1,677,315	735,111
15	Total Debt Service	\$99,020	\$654,251	\$554,596	\$735,111	\$915,627	\$1,082,934	\$1,250,241	\$1,417,549	\$1,584,856	\$1,677,315	\$735,111
16	DSC Ratio (1)	9.17	1.45	1.99	1.67	1.60	1.45	1.39	1.31	1.30	1.31	
17	Income Available After Debt Service	\$808,849	\$295,627	\$548,997	\$495,394	\$546,033	\$485,021	\$488,198	\$438,952	\$467,731	\$512,956	\$495,394
Other Cash Inflows/(Outflows)												
18	Bond / Loan Proceeds - Non Growth	0	7,300,000	0	4,100,000	0	3,800,000	0	3,800,000	0	2,100,000	4,100,000
19	Private Contributions	0	0	0	0	0	0	0	0	0	0	0
20	WCONV Private Contribution	0	0	0	0	0	0	0	0	0	0	0
20	Capital Improvements - Non-Growth	(1,801,038)	(4,621,278)	(2,695,638)	(1,965,977)	(2,804,699)	(2,236,583)	(1,935,827)	(2,031,424)	(2,131,766)	(2,237,087)	(1,965,977)
21	Debt Service Reserve Deposit (New Debt)	0	(554,596)	0	(361,031)	0	(334,614)	0	(334,614)	0	(184,918)	(361,031)
22	Transfer to General Fund	(78,725)	(81,874)	(85,149)	(88,555)	(92,097)	(95,781)	(99,612)	(103,597)	(107,741)	(112,050)	(88,555)
23	Loan (To) Devel. Fee Subfund	(260,000)	0	0	220,000	57,032	0	0	0	0	0	220,000
24	Total Other Cash Inflows/(Outflows)	(2,139,763)	2,042,253	(2,780,787)	1,904,437	(2,839,764)	1,133,021	(2,035,439)	1,330,365	(2,239,506)	(434,055)	1,904,437
25	Increase/(Decrease) in Cash Balance	(1,330,914)	2,337,879	(2,231,790)	2,399,831	(2,293,730)	1,618,043	(1,547,241)	1,769,317	(1,771,775)	78,901	2,399,831
26	Beginning of Year Cash Balance	1,759,715	428,801	2,766,680	534,890	2,934,722	640,991	2,259,034	711,792	2,481,109	709,334	534,890
27	End of Year Cash Balance	428,801	2,766,680	534,890	2,934,722	640,991	2,259,034	711,792	2,481,109	709,334	788,235	2,934,722
28	Capital Project Fund Reserve (2)	129,588	360,208	924,256	539,128	393,195	560,940	447,317	387,165	406,285	426,353	539,128
29	End of Year Cash Balance Less Capital Project Fund Reserve	\$299,213	\$2,406,473	(\$389,365)	\$2,395,594	\$247,796	\$1,698,094	\$264,476	\$2,093,944	\$303,049	\$361,882	2,395,594
30	Cash Reserve Ratio Before Capital Project Reserve (3)	45.2%	265.5%	47.8%	252.0%	52.9%	179.3%	54.3%	182.1%	50.1%	53.5%	
31	Cash Reserve Ratio After Capital Project Reserve (4)	31.5%	230.9%	-34.8%	205.7%	20.5%	134.8%	20.2%	153.7%	21.4%	24.6%	

(1) Target debt service coverage: 1.5 Legal requirement of 1.1
 (2) Target ending cash balance of 20% of previous year capital improvements.
 (3) Target ending cash balance as a percent of O&M expenditures: 20%
 (4) Excludes Capital project fund reserve. Target ending cash balance as a percent of O&M expenditures: 20%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CASH FLOW PROJECTION - TAP FEE SUBFUND

FILE: Stmboat_W
 SCHEDULE: CASHFLOW
 DATE: 09/01/10
 RANGE: CF_DEV

Line No.	DESCRIPTION	Projected									Test Year	
		2010	2011	2012	2013	2014	2015	2016	2017	2018		2019
Operating Revenues												
1	Tap Fees	\$20,942	\$202,557	\$414,994	\$903,512	\$933,199	\$969,092	\$1,006,365	\$1,045,072	\$1,085,267	\$1,120,782	903,512
2	Interest	0	633	10,485	62	2,967	15,169	34,067	6,367	8,380	20,329	62
	Total Operating Revenues	<u>20,942</u>	<u>203,190</u>	<u>425,479</u>	<u>903,574</u>	<u>936,166</u>	<u>984,261</u>	<u>1,040,432</u>	<u>1,051,439</u>	<u>1,093,647</u>	<u>1,141,111</u>	<u>903,574</u>
3	Net Operating Income Avail. for Debt Service	20,942	203,190	425,479	903,574	936,166	984,261	1,040,432	1,051,439	1,093,647	1,141,111	903,574
Debt Service												
4	Debt Service Payments - Existing	0	0	0	0	0	0	0	0	0	0	0
5	Debt Service Payments - Existing	0	0	0	0	0	0	0	0	0	0	0
6	Debt Service Payments - New	0	212,722	212,722	212,722	212,722	234,736	256,750	344,806	432,863	432,863	212,722
7	Total Debt Service	<u>\$0</u>	<u>\$212,722</u>	<u>\$212,722</u>	<u>\$212,722</u>	<u>\$212,722</u>	<u>\$234,736</u>	<u>\$256,750</u>	<u>\$344,806</u>	<u>\$432,863</u>	<u>\$432,863</u>	<u>\$212,722</u>
8	DSC Ratio	<i>N/A</i>	<i>0.96</i>	<i>2.00</i>	<i>4.25</i>	<i>4.40</i>	<i>4.19</i>	<i>4.05</i>	<i>3.05</i>	<i>2.53</i>	<i>2.64</i>	
9	Income Available After Debt Service	<u>\$20,942</u>	<u>(\$9,531)</u>	<u>\$212,757</u>	<u>\$690,852</u>	<u>\$723,444</u>	<u>\$749,525</u>	<u>\$783,682</u>	<u>\$706,632</u>	<u>\$660,785</u>	<u>\$708,249</u>	<u>\$690,852</u>
Other Cash Inflows/(Outflows):												
10	Bond / Loan Proceeds -Growth	0	2,800,000	0	0	0	500,000	0	2,000,000	0	0	0
11	Capital Expenditures - Growth	(249,285)	(2,085,147)	(733,904)	(325,633)	(56,275)	(260,605)	(2,168,697)	(2,429,849)	(63,339)	(182,185)	(325,633)
12	Repayment of Loan from Devel. Fee Subfund	0	0	0	0	0	0	0	0	0	0	0
13	Debt Service Reserve Deposit	0	(212,722)	0	0	0	(44,028)	0	(176,113)	0	0	0
14	Loan From / Repayment (To) Operations Subfund	260,000	0	0	(220,000)	(57,032)	0	0	0	0	0	(220,000)
15	Total Other Cash Inflows/(Outflows)	<u>10,715</u>	<u>502,131</u>	<u>(733,904)</u>	<u>(545,633)</u>	<u>(113,307)</u>	<u>195,367</u>	<u>(2,168,697)</u>	<u>(605,962)</u>	<u>(63,339)</u>	<u>(182,185)</u>	<u>(545,633)</u>
16	Increase /(Decrease) in Cash Balance	<u>31,657</u>	<u>492,600</u>	<u>(521,147)</u>	<u>145,219</u>	<u>610,137</u>	<u>944,892</u>	<u>(1,385,015)</u>	<u>100,670</u>	<u>597,446</u>	<u>526,063</u>	<u>145,219</u>
17	Beginning of Year Cash Balance	<u>0</u>	<u>31,657</u>	<u>524,257</u>	<u>3,110</u>	<u>148,329</u>	<u>758,466</u>	<u>1,703,358</u>	<u>318,343</u>	<u>419,013</u>	<u>1,016,459</u>	<u>3,110</u>
18	End of Year Cash Balance	<u>31,657</u>	<u>524,257</u>	<u>3,110</u>	<u>148,329</u>	<u>758,466</u>	<u>1,703,358</u>	<u>318,343</u>	<u>419,013</u>	<u>1,016,459</u>	<u>1,542,522</u>	<u>148,329</u>
19	Capital Project Fund Reserve (2)	0	49,857	417,029	146,781	65,127	11,255	52,121	433,739	485,970	12,668	146,781
20	End of Year Cash Balance Less Capital Project Fund Reserve	<u>\$31,657</u>	<u>\$474,400</u>	<u>(\$413,920)</u>	<u>\$1,549</u>	<u>\$693,340</u>	<u>\$1,692,103</u>	<u>\$266,222</u>	<u>(\$14,727)</u>	<u>\$530,489</u>	<u>\$1,529,854</u>	<u>\$1,549</u>

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROJECTED REVENUE - WATER CHARGE

FILE: Stmboat_W
 SCHEDULE: CASHFLOW
 DATE: 09/01/10
 RANGE: PROJREV

Line No.	DESCRIPTION	Percent Increase	Month Effective	Projected										Test Year
				2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
1	Water Charges Under Existing Rates		(1)	\$1,749,090	\$1,752,962	\$1,763,034	\$1,783,951	\$1,815,540	\$1,847,588	\$1,880,219	\$1,913,440	\$1,947,264	\$1,981,625	1,783,951
2	2010	0%	1	0	0	0	0	0	0	0	0	0	0	0
3	2011	9%	1		157,767	158,673	160,556	163,399	166,283	169,220	172,210	175,254	178,346	160,556
4	2012	9%	1			172,954	175,006	178,104	181,248	184,449	187,708	191,027	194,397	175,006
5	2013	9%	1				190,756	194,134	197,561	201,050	204,602	208,219	211,893	190,756
6	2014	8%	1					188,094	191,414	194,795	198,237	201,741	205,301	0
7	2015	6%	1						155,046	157,784	160,572	163,410	166,294	0
8	2016	5%	1							139,376	141,838	144,346	146,893	0
9	2017	5%	1								148,930	151,563	154,237	0
10	2018	5%	1									159,141	161,949	0
11	2019	5%	1										170,047	0
12	Subtotal Additional Revenue			0	157,767	331,627	526,317	723,731	891,552	1,046,674	1,214,098	1,394,701	1,589,358	526,317
13	Subtotal Water Revenue			1,749,090	1,910,729	2,094,661	2,310,268	2,539,271	2,739,140	2,926,893	3,127,538	3,341,965	3,570,983	2,310,268
14	Revenue Increase Assuming 12 months of Effectiveness			0	157,767	172,954	190,756	188,094	155,046	139,376	148,930	159,141	170,047	190,756
15	Revenue Assuming 12 months of Effectiveness			\$1,749,090	\$1,910,729	\$2,094,661	\$2,310,268	\$2,539,271	\$2,739,140	\$2,926,893	\$3,127,538	\$3,341,965	\$3,570,983	\$2,310,268

(1) Effective 1st day of month: 1=Jan 12=Dec

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROJECTED TAP FEES

FILE: Stmboat_W
 SCHEDULE: CASHFLOW
 DATE: 09/01/10
 RANGE: CF_PROJDFREV

Line No.	DESCRIPTION	Projected									Test Year	
		2010	2011	2012	2013	2014	2015	2016	2017	2018		2019
1	Water System Fee per Fixture Unit	\$26.00	\$26.00	\$25.55	\$26.06	\$26.58	\$27.11	\$27.66	\$28.21	\$28.77	\$29.35	
2	Annual Increase - %	-	(0.45)	0.51	0.52	0.53	0.54	0.55	0.56	0.58	0.59	
3	Water System Fee per Fixture Unit	\$26.00	\$25.55	\$26.06	\$26.58	\$27.11	\$27.66	\$28.21	\$28.77	\$29.35	\$29.94	
4	Units per EQR	140	140	140	140	140	140	140	140	140	140	
5	Water System Fee per EQR	\$3,640.00	\$3,577.00	\$3,648.54	\$3,721.51	\$3,795.94	\$3,871.86	\$3,949.30	\$4,028.28	\$4,108.85	\$4,191.03	
6	EQRs Added - City Customers	6	23	46	99	100	102	104	105	107	109	
7	Water System Fee Revenue	\$20,942	\$82,331	\$168,678	\$367,240	\$379,307	\$393,896	\$409,046	\$424,779	\$441,116	\$455,552	
8	Water Resource Fee per Fixture Unit	\$0.00	\$37.31	\$37.31	\$38.06	\$38.82	\$39.59	\$40.39	\$41.19	\$42.02	\$42.86	
9	Annual Increase - %			0.75	0.76	0.78	0.79	0.81	0.82	0.84	0.86	
10	Water System Fee per Fixture Unit	\$0.00	\$37.31	\$38.06	\$38.82	\$39.59	\$40.39	\$41.19	\$42.02	\$42.86	\$43.71	
11	Units per EQR	140	140	140	140	140	140	140	140	140	140	
12	Water Resource Fee per EQR	\$0.00	\$5,223.40	\$5,327.87	\$5,434.43	\$5,543.11	\$5,653.98	\$5,767.06	\$5,882.40	\$6,000.04	\$6,120.05	
13	EQRs Added - City Customers	6	23	46	99	100	102	104	105	107	109	
14	Water System Fee Revenue	\$0	\$120,226	\$246,316	\$536,271	\$553,892	\$575,196	\$597,319	\$620,293	\$644,151	\$665,230	
15	Total Tap Fee Revenue	\$20,942	\$202,557	\$414,994	\$903,512	\$933,199	\$969,092	\$1,006,365	\$1,045,072	\$1,085,267	\$1,120,782	\$903,512

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROJECTED O&M COSTS

FILE: Stmboat_W
 SCHEDULE: O&M EXP
 DATE: 9/1/2010
 RANGE: OM

Line No.	DESCRIPTION	Budget	Projected	Projected								Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
1	Water Rights Management											
2	Personnel											
3	Salaries	\$5,088	\$5,800	\$6,032	\$6,274	\$6,525	\$6,786	\$7,057	\$7,339	\$7,633	\$7,938	6,274
4	FICA Taxes	315	359	373	388	404	420	437	454	473	491	388
5	Medicare Taxes	74	84	88	91	95	99	103	107	111	115	91
6	Employee Retirement	305	317	330	343	357	371	386	401	417	434	343
7	Health Insurance	1,065	1,108	1,152	1,198	1,246	1,296	1,348	1,401	1,458	1,516	1,198
8	Life/LTD/AD&D/Pretax	56	58	61	63	66	68	71	74	77	80	63
9	Workers Compensation	19	20	21	21	22	23	24	25	26	27	21
10	Unemployment Insurance	10	10	11	11	12	12	13	13	14	14	11
11	Operating											
12	Other Outside Services	25,000	26,000	27,040	28,122	29,246	30,416	31,633	32,898	34,214	35,583	28,122
13	Legal Services	100,735	104,764	108,955	113,313	117,846	122,560	127,462	132,560	137,863	143,377	113,313
14	Total Water Rights Management	132,667	138,521	144,062	149,825	155,818	162,050	168,532	175,274	182,285	189,576	149,825
15	Water Storage											
16	Personnel											
17	Salaries	17,223	19,634	20,420	21,236	22,086	22,969	23,888	24,844	25,837	26,871	21,236
18	Overtime	2,406	2,743	2,853	2,967	3,085	3,209	3,337	3,471	3,609	3,754	2,967
19	Standby Time	3,885	4,429	4,606	4,790	4,982	5,181	5,388	5,604	5,828	6,061	4,790
20	FICA Taxes	1,458	1,662	1,729	1,798	1,870	1,944	2,022	2,103	2,187	2,275	1,798
21	Medicare Taxes	341	389	404	420	437	455	473	492	512	532	420
22	Employee Retirement	1,411	1,467	1,526	1,587	1,651	1,717	1,785	1,857	1,931	2,008	1,587
23	Health Insurance	4,341	4,515	4,695	4,883	5,078	5,281	5,493	5,712	5,941	6,179	4,883
24	Life/LTD/AD&D/Pretax	189	197	204	213	221	230	239	249	259	269	213
25	Workers Compensation	369	384	399	415	432	449	467	486	505	525	415
26	Unemployment Insurance	47	49	51	53	55	57	59	62	64	67	53
27	Operating											
28	Leases and Rentals	0	0	0	0	0	0	0	0	0	0	0
29	Other Outside Services	1,380	1,435	1,493	1,552	1,614	1,679	1,746	1,816	1,889	1,964	1,552
30	On-Line Computer Services	55	57	59	62	64	67	70	72	75	78	62
31	Communications	1,600	1,664	1,731	1,800	1,872	1,947	2,025	2,105	2,190	2,277	1,800
32	Utilities	12,000	12,480	12,979	13,498	14,038	14,600	15,184	15,791	16,423	17,080	13,498
33	Operating Supplies	585	608	633	658	684	712	740	770	801	833	658
34	Uniforms	150	156	162	169	175	182	190	197	205	213	169
35	Protective Clothing	55	57	59	62	64	67	70	72	75	78	62
36	Small Tools	170	177	184	191	199	207	215	224	233	242	191
37	Fleet Services Charges	6,679	6,946	7,224	7,513	7,813	8,126	8,451	8,789	9,141	9,506	7,513
38	R&M Buildings & Grounds	3,350	3,484	3,623	3,768	3,919	4,076	4,239	4,408	4,585	4,768	3,768
39	R&M Treatment Facilities	57,750	60,060	62,462	64,961	67,559	70,262	73,072	75,995	79,035	82,196	64,961
40	R&M Utility Lines	6,800	7,072	7,355	7,649	7,955	8,273	8,604	8,948	9,306	9,679	7,649
41	R&M Office & Comm Equip	25	26	27	28	29	30	32	33	34	36	28
42	R&M Machinery & Equip	440	458	476	495	515	535	557	579	602	626	495
43	Total Water Storage	122,709	130,149	135,355	140,769	146,400	152,256	158,346	164,680	171,267	178,117	140,769
44	Water Treatment											
45	Personnel											
46	Salaries	4,736	5,399	5,615	5,840	6,073	6,316	6,569	6,832	7,105	7,389	5,840
47	FICA Taxes	294	335	349	363	377	392	408	424	441	459	363
48	Medicare Taxes	69	79	82	85	88	92	96	100	104	108	85
49	Employee Retirement	284	295	307	319	332	346	359	374	389	404	319
50	Health Insurance	1,008	1,048	1,090	1,134	1,179	1,226	1,275	1,326	1,380	1,435	1,134

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PROJECTED O&M COSTS

FILE: Stmboat_W
SCHEDULE: O&M EXP
DATE: 9/1/2010
RANGE: OM

Line No.	DESCRIPTION	Budget	Projected	Projected								Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
51	Life/LTD/AD&D/Pretax	52	54	56	58	61	63	66	68	71	74	58
52	Workers Compensation	12	12	13	13	14	15	15	16	16	17	13
53	Unemployment Insurance	9	9	10	10	11	11	11	12	12	13	10
54	Operating											
55	R&M Treatment Facilities	248,000	257,920	268,237	278,966	290,125	301,730	313,799	326,351	339,405	352,981	278,966
56	Total Water Treatment	254,464	265,152	275,759	286,789	298,260	310,191	322,599	335,502	348,923	362,879	286,789
57	Water Admin/Distribution											
58	Personnel											
59	Salaries	71,265	81,242	84,492	87,871	91,386	95,042	98,843	102,797	106,909	111,185	87,871
60	Overtime	2,406	2,743	2,853	2,967	3,085	3,209	3,337	3,471	3,609	3,754	2,967
61	Standby Time	3,885	4,429	4,606	4,790	4,982	5,181	5,388	5,604	5,828	6,061	4,790
62	FICA Taxes	4,808	5,481	5,700	5,928	6,166	6,412	6,669	6,935	7,213	7,501	5,928
63	Medicare Taxes	1,125	1,283	1,334	1,387	1,443	1,500	1,560	1,623	1,688	1,755	1,387
64	Employee Retirement	4,653	4,839	5,033	5,234	5,443	5,661	5,888	6,123	6,368	6,623	5,234
65	Health Insurance	18,562	19,304	20,077	20,880	21,715	22,584	23,487	24,426	25,403	26,420	20,880
66	Life/LTD/AD&D/Pretax	784	815	848	882	917	954	992	1,032	1,073	1,116	882
67	Workers Compensation	1,396	1,452	1,510	1,570	1,633	1,698	1,766	1,837	1,911	1,987	1,570
68	Unemployment Insurance	155	161	168	174	181	189	196	204	212	221	174
69	Operating											
70	Leases and Rentals	1,000	1,040	1,082	1,125	1,170	1,217	1,265	1,316	1,369	1,423	1,125
71	Other Outside Services	65	68	70	73	76	79	82	86	89	93	73
72	On-Line Computer Service	220	229	238	247	257	268	278	290	301	313	247
73	Communications	1,000	1,040	1,082	1,125	1,170	1,217	1,265	1,316	1,369	1,423	1,125
74	Utilities	8,000	8,320	8,653	8,999	9,359	9,733	10,123	10,527	10,949	11,386	8,999
75	Training, Travel, Meetings	1,200	1,248	1,298	1,350	1,404	1,460	1,518	1,579	1,642	1,708	1,350
76	Operating Supplies	2,675	2,782	2,893	3,009	3,129	3,255	3,385	3,520	3,661	3,807	3,009
77	Uniforms	600	624	649	675	702	730	759	790	821	854	675
78	Protective Clothing	250	260	270	281	292	304	316	329	342	356	281
79	Small Tools	725	754	784	816	848	882	917	954	992	1,032	816
80	Central Services Charges	3,011	3,131	3,257	3,387	3,522	3,663	3,810	3,962	4,121	4,286	3,387
81	Fleet Services Charges	28,053	29,175	30,342	31,556	32,818	34,131	35,496	36,916	38,392	39,928	31,556
82	Computer Services Charges	2,193	2,281	2,372	2,467	2,565	2,668	2,775	2,886	3,001	3,121	2,467
83	GIS Services Charges	205	213	222	231	240	249	259	270	281	292	231
84	R&M Buildings & Grounds	2,760	2,870	2,985	3,105	3,229	3,358	3,492	3,632	3,777	3,928	3,105
85	R&M Utility Lines	51,800	53,872	56,027	58,268	60,599	63,023	65,544	68,165	70,892	73,728	58,268
86	R&M Office & Comm Equip	100	104	108	112	117	122	127	132	137	142	112
87	R&M Machinery & Equip	1,730	1,799	1,871	1,946	2,024	2,105	2,189	2,277	2,368	2,462	1,946
88	Total Water Admin/Distribution	214,626	231,560	240,822	250,455	260,473	270,892	281,728	292,997	304,717	316,906	250,455
89	Water Meter Reading/Billing/RPRS											
90	Personnel											
91	Salaries	36,239	41,312	42,965	44,684	46,471	48,330	50,263	52,273	54,364	56,539	44,684
92	FICA Taxes	2,247	2,562	2,664	2,771	2,881	2,997	3,117	3,241	3,371	3,506	2,771
93	Medicare Taxes	525	599	622	647	673	700	728	757	788	819	647
94	Employee Retirement	2,174	2,261	2,351	2,445	2,543	2,645	2,751	2,861	2,975	3,094	2,445
95	Health Insurance	7,069	7,352	7,646	7,952	8,270	8,601	8,945	9,302	9,674	10,061	7,952
96	Life/LTD/AD&D/Pretax	399	415	432	449	467	485	505	525	546	568	449
97	Workers Compensation	336	349	363	378	393	409	425	442	460	478	378
98	Unemployment Insurance	72	75	78	81	84	88	91	95	99	102	81
99	Operating											

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROJECTED O&M COSTS

FILE: Stmboat_W
 SCHEDULE: O&M EXP
 DATE: 9/1/2010
 RANGE: OM

Line No.	DESCRIPTION	Budget	Projected	Projected							Test Year	
		2010	2011	2012	2013	2014	2015	2016	2017	2018		2019
100	Leases and Rentals	-	-	-	-	-	-	-	-	-	-	-
101	Other Outside Services	100	104	108	112	117	122	127	132	137	142	112
102	Hardware/Software Services	2,050	2,132	2,217	2,306	2,398	2,494	2,594	2,698	2,806	2,918	2,306
103	On-Line Computer Service	65	68	70	73	76	79	82	86	89	93	73
104	Communications	650	676	703	731	760	791	822	855	890	925	731
105	Postage	7,500	7,800	8,112	8,436	8,774	9,125	9,490	9,869	10,264	10,675	8,436
106	Utilities	1,250	1,300	1,352	1,406	1,462	1,521	1,582	1,645	1,711	1,779	1,406
107	Training, Travel, Meetings	100	104	108	112	117	122	127	132	137	142	112
108	Operating Supplies	3,570	3,713	3,861	4,016	4,176	4,343	4,517	4,698	4,886	5,081	4,016
109	Uniforms	220	229	238	247	257	268	278	290	301	313	247
110	Protective Clothing	100	104	108	112	117	122	127	132	137	142	112
111	Small Tools	275	286	297	309	322	335	348	362	376	391	309
112	Central Services Charges	3,764	3,915	4,071	4,234	4,403	4,579	4,763	4,953	5,151	5,357	4,234
113	Fleet Services Charges	4,008	4,168	4,335	4,508	4,689	4,876	5,071	5,274	5,485	5,705	4,508
114	Computer Services Charges	2,891	3,007	3,127	3,252	3,382	3,517	3,658	3,804	3,957	4,115	3,252
115	GIS Services Charges	270	281	292	304	316	328	342	355	370	384	304
116	R&M Buildings & Grounds	890	926	963	1,001	1,041	1,083	1,126	1,171	1,218	1,267	1,001
117	R&M Utility Lines	20,500	21,320	22,173	23,060	23,982	24,941	25,939	26,977	28,056	29,178	23,060
118	R&M Office & Comm. Equip	120	125	130	135	140	146	152	158	164	171	135
119	R&M Machinery & Equip	400	416	433	450	468	487	506	526	547	569	450
120	Total Water Meter Reading/Billing/RPRS	97,784	105,596	109,820	114,213	118,782	123,533	128,474	133,613	138,958	144,516	114,213
121	Water Administration											
122	Personnel											
123	Salaries	49,478	56,405	58,661	61,008	63,448	65,986	68,625	71,370	74,225	77,194	61,008
124	FICA Taxes	3,068	3,498	3,637	3,783	3,934	4,092	4,255	4,425	4,602	4,787	3,783
125	Medicare Taxes	717	817	850	884	919	956	994	1,034	1,076	1,119	884
126	Employee Retirement	2,969	3,088	3,211	3,340	3,473	3,612	3,757	3,907	4,063	4,226	3,340
127	Health Insurance	11,325	11,778	12,249	12,739	13,249	13,779	14,330	14,903	15,499	16,119	12,739
128	Life/LTD/AD&D/Pretax	544	566	588	612	636	662	688	716	745	774	612
129	Workers Compensation	600	624	649	675	702	730	759	790	821	854	675
130	Unemployment Insurance	99	103	107	111	116	120	125	130	135	141	111
131	Operating											
132	Other Outside Services	10,000	10,400	10,816	11,249	11,699	12,167	12,653	13,159	13,686	14,233	11,249
133	Legal Services	9,000	9,360	9,734	10,124	10,529	10,950	11,388	11,843	12,317	12,810	10,124
134	Water Quality Testing	6,500	6,760	7,030	7,312	7,604	7,908	8,225	8,554	8,896	9,252	7,312
135	Hardware/Software Services	1,700	1,768	1,839	1,912	1,989	2,068	2,151	2,237	2,327	2,420	1,912
136	Communications	1,100	1,144	1,190	1,237	1,287	1,338	1,392	1,448	1,505	1,566	1,237
137	Training, Travel, Meetings	1,200	1,248	1,298	1,350	1,404	1,460	1,518	1,579	1,642	1,708	1,350
138	Memberships, Subscription	3,400	3,536	3,677	3,825	3,978	4,137	4,302	4,474	4,653	4,839	3,825
139	Operating Supplies	850	884	919	956	994	1,034	1,076	1,119	1,163	1,210	956
140	Uniforms	240	250	260	270	281	292	304	316	328	342	270
141	Central Services Charges	12,046	12,528	13,029	13,550	14,092	14,656	15,242	15,852	16,486	17,145	13,550
142	Fleet Services Charges	5,789	6,021	6,261	6,512	6,772	7,043	7,325	7,618	7,923	8,240	6,512
143	Computer Services Charges	4,884	5,079	5,283	5,494	5,714	5,942	6,180	6,427	6,684	6,951	5,494
144	GIS Services Charges	456	474	493	513	533	555	577	600	624	649	513
145	R&M Office & Comm Equip	200	208	216	225	234	243	253	263	274	285	225
146	Total Water Administration	126,165	136,538	141,999	147,679	153,587	159,730	166,119	172,764	179,675	186,862	147,679
147	Water Capital											
148	Capital Outlay	0	0	0	0	0	0	0	0	0	0	0
149	Total Water Capital	0										

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROJECTED O&M COSTS

FILE: Stmboat_W
 SCHEDULE: O&M EXP
 DATE: 9/1/2010
 RANGE: OM

Line No.	DESCRIPTION	Budget	Projected	Projected							Test	
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Year
150	Subtotal - O&M By Division	948,415	1,007,517	1,047,817	1,089,730	1,133,319	1,178,652	1,225,798	1,274,830	1,325,823	1,378,856	1,089,730
151	Additional Employees Cost per FTE (1)											
152	Water Rights Management	0	34,630	72,031	74,912	77,909	81,025	84,266	87,637	91,142	94,788	74,912
153	Water Storage	0	0	0	0	0	0	0	0	0	0	0
154	Water Treatment	0	0	0	0	0	0	0	0	0	0	0
155	Water Admin/Distribution	0	0	0	0	0	0	0	0	0	0	0
156	Water Meter Reading/Billing/RPRS	0	0	0	0	0	0	0	0	0	0	0
157	Water Administration	0	0	0	0	0	0	0	0	0	0	0
158	Total Wages and Benefits (Per Employee)	\$0	\$34,630	\$72,031	\$74,912	\$77,909	\$81,025	\$84,266	\$87,637	\$91,142	\$94,788	
159	Cumulative Additional Employees	0	1	1	1	1	1	1	1	1	1	
160	Total Cost of Additional Employees	\$0	\$34,630	\$72,031	\$74,912	\$77,909	\$81,025	\$84,266	\$87,637	\$91,142	\$94,788	
161	Total O&M	\$948,415	\$1,042,147	\$1,119,849	\$1,164,643	\$1,211,228	\$1,259,677	\$1,310,064	\$1,362,467	\$1,416,966	\$1,473,644	\$1,164,643
	(1) Total Number of Additional Employees	0	1	0	0	0	0	0	0	0	0	0

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CAPITAL IMPROVEMENT PROJECTS
 2010 \$

FILE: Stmboat_W
 SCHEDULE: CIP
 DATE: 09/01/10
 RANGE: CIP_CY

Line No.	DESCRIPTION	Function	Estimated	Projected							Growth	Total		
			2010	2011	2012	2013	2014	2015	2016	2017	2018		2019	Percent Allocation
Total CIP														
1	Airport Water Redundancy	4	\$300,000	\$443,000	\$1,050,000	\$0	\$0	\$0	\$0	\$0	\$0	23%	\$1,793,000	
2	Water Distribution System Expansion (Fairview area)	4	11,750	735,000	735,000	0	0	0	0	0	0	50%	1,481,750	
3	Fish Creek Reservoir Capacity Options	3	175,000	175,000	0	0	0	0	0	0	0	0%	350,000	
4	Water Main Replacement	4	803,574	713,592	1,091,173	1,483,147	1,511,938	1,541,296	1,571,224	1,601,733	1,632,835	1,664,541	0%	13,615,055
5	Land Acquisition Costs	2	142,000	142,500	142,500	0	0	0	0	0	0	0	23%	427,000
6	1.0 MG West City Tank Including 16-inch main	1	225,000	2,025,000	0	0	0	0	0	0	0	0	23%	2,250,000
7	Yampa River Infiltration Gallery Expansion	3	180,000	2,013,000	0	0	0	0	0	0	0	0	50%	2,193,000
8	Street Shop Expansion	5	157,999	0	0	0	0	0	0	0	0	0	0%	157,999
9	Meter Reading Conversion	5	0	164,000	114,000	114,000	0	0	0	0	0	0	0%	392,000
10	Water Rights Firming	2	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	50%	900,000
11	Rate Study	5	55,000	0	0	0	0	30,000	0	0	0	0	0%	85,000
12	Booster Pump Station & PRV - W of Overlook	4	0	0	0	0	0	400,000	0	0	0	0	23%	400,000
13	12-inch Main - 12th Street to Indian Trails	4	0	0	0	0	930,000	0	0	0	0	0	0%	930,000
14	Fish Creek Water Filtration Plant Expansion	3	0	0	0	0	0	82,800	1,689,250	1,148,690	0	89,630	100%	3,010,370
15	Skyline Tank Zone Redundancy	1	0	0	0	400,000	0	0	0	0	0	0	62%	400,000
16	Water Distribution System Expansion (West Lincoln area)	4	0	0	0	0	0	0	77,000	777,000	0	0	100%	854,000
17	Growth CIP Additions (Reductions)		0	0	0	0	0	0	0	0	0	0	100%	-
18	Non-Growth CIP Additions (Reductions)		0	0	0	0	0	0	0	0	0	0	0%	-
19	Unused		0	0	0	0	0	0	0	0	0	0	0%	-
20	Unused		0	0	0	0	0	0	0	0	0	0	0%	-
21	Unused		0	0	0	0	0	0	0	0	0	0	0%	-
22	Unused		0	0	0	0	0	0	0	0	0	0	0%	-
Total CIP			\$2,050,323	\$6,511,092	\$3,232,673	\$2,097,147	\$2,541,938	\$2,154,096	\$3,437,474	\$3,627,423	\$1,732,835	\$1,854,171	\$29,239,174	

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CAPITAL IMPROVEMENT PROJECTS
 (Inflated \$)

FILE: Stmboat_W
 SCHEDULE: CIP
 DATE: 09/01/10
 RANGE: CIP_INFL

Line No.	DESCRIPTION	Function	Estimated	Projected								Growth	Total	
			2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		Percent Allocation
Growth Related CIP														
1	Airport Water Redundancy	4	\$69,000	\$104,947	\$256,207	\$0	\$0	\$0	\$0	\$0	\$0	\$0	23%	\$430,154
2	Water Distribution System Expansion (Fairview area)	4	5,875	378,525	389,881	0	0	0	0	0	0	0	50%	774,281
3	Fish Creek Reservoir Capacity Options	3	0	0	0	0	0	0	0	0	0	0	0%	-
4	Water Main Replacement	4	0	0	0	0	0	0	0	0	0	0	0%	-
5	Land Acquisition Costs	2	32,660	33,758	34,771	0	0	0	0	0	0	0	23%	101,189
6	1.0 MG West City Tank Including 16-inch main	1	51,750	479,723	0	0	0	0	0	0	0	0	23%	531,473
7	Yampa River Infiltration Gallery Expansion	3	90,000	1,036,695	0	0	0	0	0	0	0	0	50%	1,126,695
8	Street Shop Expansion	5	0	0	0	0	0	0	0	0	0	0	0%	-
9	Meter Reading Conversion	5	0	0	0	0	0	0	0	0	0	0	0%	-
10	Water Rights Firming	2	0	51,500	53,045	54,636	56,275	57,964	59,703	61,494	63,339	65,239	50%	523,194
11	Rate Study	5	0	0	0	0	0	0	0	0	0	0	0%	-
12	Booster Pump Station & PRV - W of Overlook	4	0	0	0	0	0	106,653	0	0	0	0	23%	106,653
13	12-inch Main - 12th Street to Indian Trails	4	0	0	0	0	0	0	0	0	0	0	0%	-
14	Fish Creek Water Filtration Plant Expansion	3	0	0	0	0	0	95,988	2,017,053	1,412,744	0	116,947	100%	3,642,731
15	Skyline Tank Zone Redundancy	1	0	0	0	270,996	0	0	0	0	0	0	62%	270,996
16	Water Distribution System Expansion (West Lincoln area)	4	0	0	0	0	0	0	91,942	955,612	0	0	100%	1,047,554
Total Growth Related CIP			\$249,285	\$2,085,147	\$733,904	\$325,633	\$56,275	\$260,605	\$2,168,697	\$2,429,849	\$63,339	\$182,185		\$8,554,920

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CAPITAL IMPROVEMENT PROJECTS
 (Inflated \$)

FILE: Stmboat_W
 SCHEDULE: CIP
 DATE: 09/01/10
 RANGE: CIP_INFL2

Line No.	DESCRIPTION	Function	Estimated	Projected								Non-Growth		
			2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Percent Allocation	Total
Non-Growth Related CIP														
1	Airport Water Redundancy	4	\$231,000	\$351,343	\$857,738	\$0	\$0	\$0	\$0	\$0	\$0	\$0	77%	\$1,440,081
2	Water Distribution System Expansion (Fairview area)	4	5,875	378,525	389,881	0	0	0	0	0	0	0	50%	774,281
3	Fish Creek Reservoir Capacity Options	3	175,000	180,250	0	0	0	0	0	0	0	0	100%	355,250
4	Water Main Replacement	4	803,574	735,000	1,157,625	1,620,675	1,701,700	1,786,785	1,876,124	1,969,930	2,068,427	2,171,848	100%	15,891,688
5	Land Acquisition Costs	2	109,340	113,017	116,407	0	0	0	0	0	0	0	77%	338,764
6	1.0 MG West City Tank Including 16-inch main	1	173,250	1,606,028	0	0	0	0	0	0	0	0	77%	1,779,278
7	Yampa River Infiltration Gallery Expansion	3	90,000	1,036,695	0	0	0	0	0	0	0	0	50%	1,126,695
8	Street Shop Expansion	5	157,999	0	0	0	0	0	0	0	0	0	100%	157,999
9	Meter Reading Conversion	5	0	168,920	120,943	124,571	0	0	0	0	0	0	100%	414,433
10	Water Rights Firming	2	0	51,500	53,045	54,636	56,275	57,964	59,703	61,494	63,339	65,239	50%	523,194
11	Rate Study	5	55,000	0	0	0	0	34,778	0	0	0	0	100%	89,778
12	Booster Pump Station & PRV - W of Overlook	4	0	0	0	0	0	357,056	0	0	0	0	77%	357,056
13	12-inch Main - 12th Street to Indian Trails	4	0	0	0	0	1,046,723	0	0	0	0	0	100%	1,046,723
14	Fish Creek Water Filtration Plant Expansion	3	0	0	0	0	0	0	0	0	0	0	0%	-
15	Skyline Tank Zone Redundancy	1	0	0	0	166,095	0	0	0	0	0	0	38%	166,095
16	Water Distribution System Expansion (West Lincoln area)	4	0	0	0	0	0	0	0	0	0	0	0%	-
Total Non-Growth Related CIP			\$1,801,038	\$4,621,278	\$2,695,638	\$1,965,977	\$2,804,699	\$2,236,583	\$1,935,827	\$2,031,424	\$2,131,766	\$2,237,087		\$24,461,315

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
DEBT SERVICE COVERAGE TEST
TOTAL FUND INCLUDING AND EXCLUDING TAP FEES

FILE: Stmboat_W
SCHEDULE: DEBT
DATE: 9/1/2010
RANGE: DEBT_DSC

DESCRIPTION	Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Annual Revenues - Including Tap Fees	\$1,877,226	\$2,195,215	\$2,648,921	\$3,298,722	\$3,609,055	\$3,811,894	\$4,088,935	\$4,270,406	\$4,563,200	\$4,805,027
Operating Expenditures	(948,415)	(1,042,147)	(1,119,849)	(1,164,643)	(1,211,228)	(1,259,677)	(1,310,064)	(1,362,467)	(1,416,966)	(1,473,644)
Revenues Available For Debt Service	\$928,811	\$1,153,068	\$1,529,072	\$2,134,079	\$2,397,826	\$2,552,216	\$2,778,871	\$2,907,939	\$3,146,234	\$3,331,382
Revenue Bond Debt Service	\$99,020	\$866,973	\$767,318	\$947,833	\$1,128,349	\$1,317,670	\$1,506,991	\$1,762,355	\$2,017,718	\$2,110,178
Debt Service Coverage Ratio	9.38	1.33	1.99	2.25	2.13	1.94	1.84	1.65	1.56	1.58
Target	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Above/(Below) Target	7.88	(0.17)	0.49	0.75	0.63	0.44	0.34	0.15	0.06	0.08
Annual Revenues - Excluding Tap Fees	\$1,856,284	\$1,992,658	\$2,233,927	\$2,395,210	\$2,675,856	\$2,842,802	\$3,082,570	\$3,225,335	\$3,477,932	\$3,684,244
Operating Expenditures	(948,415)	(1,042,147)	(1,119,849)	(1,164,643)	(1,211,228)	(1,259,677)	(1,310,064)	(1,362,467)	(1,416,966)	(1,473,644)
Revenues Available For Debt Service	\$907,869	\$950,510	\$1,114,078	\$1,230,567	\$1,464,627	\$1,583,124	\$1,772,506	\$1,862,867	\$2,060,967	\$2,210,600
Revenue Bond Debt Service	\$99,020	\$866,973	\$767,318	\$947,833	\$1,128,349	\$1,317,670	\$1,506,991	\$1,762,355	\$2,017,718	\$2,110,178
Debt Service Coverage Ratio	9.17	1.10	1.45	1.30	1.30	1.20	1.18	1.06	1.02	1.05
Target	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Above/(Below) Target	8.07	(0.00)	0.35	0.20	0.20	0.10	0.08	(0.04)	(0.08)	(0.05)
Additional Bonds Test										
Annual Revenues - Including Tap Fees	\$1,877,226	\$2,195,215	\$2,648,921	\$3,298,722	\$3,609,055	\$3,811,894	\$4,088,935	\$4,270,406	\$4,563,200	\$4,805,027
Operating Expenditures	(948,415)	(1,042,147)	(1,119,849)	(1,164,643)	(1,211,228)	(1,259,677)	(1,310,064)	(1,362,467)	(1,416,966)	(1,473,644)
Revenues Available For Debt Service	\$928,811	\$1,153,068	\$1,529,072	\$2,134,079	\$2,397,826	\$2,552,216	\$2,778,871	\$2,907,939	\$3,146,234	\$3,331,382
Maximum Annual Debt Service	\$99,655	\$866,973	\$866,973	\$1,228,004	\$1,228,004	\$1,606,646	\$1,606,646	\$2,117,373	\$2,117,373	\$2,209,833
Debt Service Coverage Ratio	9.32	1.33	1.76	1.74	1.95	1.59	1.73	1.37	1.49	1.51
Requirement	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Above/(Below) Target	8.22	0.23	0.66	0.64	0.85	0.49	0.63	0.27	0.39	0.41

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 BOND SIZING - EXISTING DEBT WATER

FILE: Stmboat_W
 SCHEDULE: DEBT
 DATE: 9/1/2010
 RANGE: DEBT_EXIST

EXISTING DEBT SERVICE PAYMENTS	Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<u>Non-Growth Related</u>										
1991 Series	\$99,020	\$99,655	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Non-Growth Related	99,020	99,655	0	0	0	0	0	0	0	0
<u>Growth Related</u>										
Unused 1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Growth Related	0	0	0	0	0	0	0	0	0	0
Total	\$99,020	\$99,655	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 BOND SIZING - NON-GROWTH

FILE: Stmboat_W
 SCHEDULE: DEBT
 DATE: 9/1/2010
 RANGE: DEBT_NG

Revenue Bonds

DESCRIPTION	Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
BOND SIZING										
Amount to be Funded	\$0	\$7,300,000	\$0	\$4,100,000	\$0	\$3,800,000	\$0	\$3,800,000	\$0	\$2,100,000
Issuance Costs	0	73,000	0	41,000	0	38,000	0	38,000	0	21,000
Rounding Amount	0	0	0	0	0	0	0	0	0	0
Total Bond Size	\$0	\$7,373,000	\$0	\$4,141,000	\$0	\$3,838,000	\$0	\$3,838,000	\$0	\$2,121,000

DEBT SERVICE PAYMENT (1)

2010	SERIES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2011	SERIES		554,596	554,596	554,596	554,596	554,596	554,596	554,596	554,596	554,596
2012	SERIES			0	0	0	0	0	0	0	0
2013	SERIES				180,516	361,031	361,031	361,031	361,031	361,031	361,031
2014	SERIES					0	0	0	0	0	0
2015	SERIES						167,307	334,614	334,614	334,614	334,614
2016	SERIES							0	0	0	0
2017	SERIES								167,307	334,614	334,614
2018	SERIES									0	0
2019	SERIES										92,459
Total Proposed Debt Service		\$0	\$554,596	\$554,596	\$735,111	\$915,627	\$1,082,934	\$1,250,241	\$1,417,549	\$1,584,856	\$1,677,315

(1) 1/2 Principal and Interest payment is due on year issued.

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 BOND SIZING - NON-GROWTH DEBT SERVICE RESERVE

FILE: Stmboat_W
 SCHEDULE: DEBT
 DATE: 9/1/2010
 RANGE: DEBT_NGDSR

DESCRIPTION	Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
DEBT SERVICE RESERVE										
2010 SERIES	\$0	\$0	\$0	\$0	\$0					
2011 SERIES		554,596	0	0	0	\$0				
2012 SERIES			0	0	0	0	\$0			
2013 SERIES				361,031	0	0	0	\$0		
2014 SERIES					0	0	0	0	\$0	
2015 SERIES						334,614	0	0	0	\$0
2016 SERIES							0	0	0	0
2017 SERIES								334,614	0	0
2018 SERIES									0	0
2019 SERIES										184,918
Total Debt Service Reserve Deposit	\$0	\$554,596	\$0	\$361,031	\$0	\$334,614	\$0	\$334,614	\$0	\$184,918

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 BOND SIZING GROWTH

FILE: Stmboat_W
 SCHEDULE: DEBT
 DATE: 9/1/2010
 RANGE: DEBT_NEWGROWTH

Revenue Bonds

DESCRIPTION	Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<u>BOND SIZING</u>										
Amount to be Funded	\$0	\$2,800,000	\$0	\$0	\$0	\$500,000	\$0	\$2,000,000	\$0	\$0
Issuance Costs	0	28,000	0	0	0	5,000	0	20,000	0	0
Rounding Amount	0	0	0	0	0	0	0	0	0	0
Total Bond Size	\$0	\$2,828,000	\$0	\$0	\$0	\$505,000	\$0	\$2,020,000	\$0	\$0
<u>DEBT SERVICE PAYMENT (1)</u>										
2010	SERIES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2011	SERIES		212,722	212,722	212,722	212,722	212,722	212,722	212,722	212,722
2012	SERIES			0	0	0	0	0	0	0
2013	SERIES				0	0	0	0	0	0
2014	SERIES					0	0	0	0	0
2015	SERIES						22,014	44,028	44,028	44,028
2016	SERIES							0	0	0
2017	SERIES								88,056	176,113
2018	SERIES									0
2019	SERIES									0
Total Proposed Debt Service		\$0	\$212,722	\$212,722	\$212,722	\$212,722	\$234,736	\$256,750	\$344,806	\$432,863

(1) 1/2 Principal and Interest payment is due on year issued.

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 BOND SIZING - GROWTH DEBT SERVICE RESERVE

FILE: Stmboat_W
 SCHEDULE: DEBT
 DATE: 9/1/2010
 RANGE: DEBT_NEWGROWTHDSR

DESCRIPTION	Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<u>DEBT SERVICE RESERVE</u>										
2010 SERIES	\$0	\$0	\$0	\$0	\$0					
2011 SERIES		212,722	0	0	0	\$0				
2012 SERIES			0	0	0	0	\$0			
2013 SERIES				0	0	0	0	\$0		
2014 SERIES					0	0	0	0	\$0	
2015 SERIES						44,028	0	0	0	\$0
2016 SERIES							0	0	0	0
2017 SERIES								176,113	0	0
2018 SERIES									0	0
2019 SERIES										0
Total Debt Service Reserve Deposit	\$0	\$212,722	\$0	\$0	\$0	\$44,028	\$0	\$176,113	\$0	\$0

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 INTRA-FUND LOANS

FILE: Stmboat_W
 SCHEDULE: CASHFLOW
 DATE: 09/01/10
 RANGE: CF_LOAN

Line No.	Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1	Repayment of loans are assumed to be made at									
2	the end of the year									
3	Interest Rate	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
4	Loans To/(From) Tap Fee Subfund									
5	(To)/From Operation Subfund									
6	Beginning of Year Balance	\$0	\$260,000	\$265,200	\$270,504	\$55,914	\$0	\$0	\$0	\$0
7	Current Year Loans	260,000	0	0	(220,000)	(57,032)	0	0	0	0
8	Interest	0	5,200	5,304	5,410	1,118	0	0	0	0
9	Current Year Payments	0	0	0	0	0	0	0	0	0
10	End of Year Balance	\$260,000	\$265,200	\$270,504	\$55,914	\$0	\$0	\$0	\$0	\$0

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 GENERAL INPUT SCHEDULE

FILE:
 SCHEDULE:
 DATE:
 RANGE:

Stmboat_W
 INPUT
 09/01/10
 INPUT1

Input Column

1. General Model Parameters

a.	Base Year - (January 1)	2010	2010
	Test Year	2013	2013

2. Beginning Fund Balances - January 1, 2010

a.	Water	
	Operations Subfund	\$1,759,715
	Tap Fee Subfund	0
	Total	<u>\$1,759,715</u>

3. Base Year Revenues / Expenses

	Budget	
	2010	
Charges for Services		
Residential Flat Charge	\$0	Projected in Revenue Tab
Residential Volume Charge	0	Projected in Revenue Tab
Commercial Flat Charge	0	Projected in Revenue Tab
Commercial Volume Charge	0	Projected in Revenue Tab
Meter Sales (new)	2,500	
Misc Chgs - Materials	1,000	
Misc Chgs - Labor/Equip	2,500	
Connections/Tap Fees	0	Tap Fees - Projected in Rev2
Charges for Service	4,500	
Total Charges for Services	<u><u>\$10,500</u></u>	
Fines & Forfeits		
Penalties	\$1,500	
Total Fines & Forfeits	<u><u>\$1,500</u></u>	
Other Revenue		
Interest Income - Invest	\$7,500	
Private Contributions	0	
WCONV Private Contribution	0	
Filtration Bay Lease Pmt	60,000	
Total Other Revenue	<u><u>\$67,500</u></u>	

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
GENERAL INPUT SCHEDULE Cont.

FILE:
SCHEDULE:
DATE:
RANGE:

Stmboat_W
INPUT
09/01/10
INPUT2

4. Escalation / Inflation Factors

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
a.											
General Inflation Factors											
Salaries			14.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Overtime			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Standby Time			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
FICA Taxes			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Medicare Taxes			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Employee Retirement			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Health Insurance			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Life/LTD/AD&D/Pretax			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Workers Compensation			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Unemployment Insurance			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Leases and Rentals			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Other Outside Services			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
On-Line Computer Services			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Communications			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Utilities			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Operating Supplies			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Uniforms			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Protective Clothing			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Small Tools			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Fleet Services Charges			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
R&M Buildings & Grounds			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
R&M Treatment Facilities			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
R&M Utility Lines			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
R&M Office & Comm Equip			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
R&M Machinery & Equip			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Training, Travel, Meetings			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Central Services Charges			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Computer Services Charges			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
GIS Services Charges			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Hardware/Software Services			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Postage			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Legal Services			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Water Quality Testing			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Memberships, Subscription			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Capital Outlay			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Transfers to Other Funds			4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
General Factor (CPI)			0.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Construction Project Cost Inflator - Annual		0.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Construction Project Cost Inflator - Cumulative		0.00%	3.00%	6.09%	9.27%	12.55%	15.93%	19.41%	22.99%	26.68%	30.48%
Miscellaneous Revenue			1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Tap Fee Inflation Factor		0.00%	0.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
b.											
Growth Factors											
Active EQRs - City (1)	5,347	5,353	5,376	5,422	5,521	5,621	5,722	5,826	5,931	6,039	6,147
Percent Change From Prior Year	0.00%	0.11%	0.43%	0.86%	1.82%	1.81%	1.81%	1.81%	1.81%	1.81%	1.80%
Accts added each year		6	23	46	99	100	102	104	105	107	109
Active EQRs - Steamboat II (1)	406	406	406	406	406	406	406	406	406	406	406
Percent Change From Prior Year	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Accts added each year		-	-	-	-	-	-	-	-	-	-
Total EQRs	5,753	5,759	5,782	5,828	5,927	6,027	6,128	6,232	6,337	6,445	6,553
Percent Change From Prior Year		0.10%	0.40%	0.80%	1.69%	1.69%	1.69%	1.69%	1.69%	1.69%	1.69%
Total EQRs added each year		6	23	46	99	100	102	104	105	107	109
c.											
Interest Earnings on Cash Balance		2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%

(1) Master Plan is source for 2009 EQR values. Five year 2003 to 2007 system average growth of 1.69%. 2010 projected at 0.10%, 2011 at 0.40%, 2012 at 0.80% and 2013 thereafter at 1.69%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 GENERAL INPUT SCHEDULE Cont.

FILE: Stmboat_W
 SCHEDULE: INPUT
 DATE: 09/01/10
 RANGE: INPUT3

5. Bond / Loan Parameters

External Debt

Length of Term / Repayment Period (years)
 Annual Interest Rate
 Issuance Costs
 Fiscal Year Month of Issue (1=January)

Estimated	Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Length of Term / Repayment Period (years)	20	20	20	20	20	20	20	20	20	20
Annual Interest Rate	4.25%	4.25%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%
Issuance Costs	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Fiscal Year Month of Issue (1=January)	1	1	7	7	7	7	7	7	7	7

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CALCULATED: PROJECTED WATER SERVICE REVENUE UNDER EXISTING RATES

FILE: Stmboat_W
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: ROJ_REV_EXIST

Line No.	Customer Class	Projected										Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Inside City												
1	Residential	\$1,066,369	\$1,069,173	\$1,075,987	\$1,090,236	\$1,110,024	\$1,130,115	\$1,150,571	\$1,171,396	\$1,192,599	\$1,214,126	\$1,090,236
2	Commercial	557,736	558,598	561,349	566,964	577,275	587,723	598,361	609,194	620,219	631,435	566,964
3	Combined	80,171	80,377	80,884	81,937	83,427	84,936	86,473	88,036	89,632	91,250	81,937
4	Total Inside City	1,704,276	1,708,148	1,718,220	1,739,137	1,770,726	1,802,774	1,835,405	1,868,626	1,902,450	1,936,811	1,739,137
Steamboat II												
5	Residential	44,814	44,814	44,814	44,814	44,814	44,814	44,814	44,814	44,814	44,814	44,814
6	Commercial	0	0	0	0	0	0	0	0	0	0	0
7	Combined	0	0	0	0	0	0	0	0	0	0	0
8	Total Steamboat II	44,814										
9	Total System	\$1,749,090	\$1,752,962	\$1,763,034	\$1,783,951	\$1,815,540	\$1,847,588	\$1,880,219	\$1,913,440	\$1,947,264	\$1,981,625	\$1,783,951

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CALCULATED: SERVICE CHARGE REVENUE

FILE: Stmboat_W
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: PROJ_REV_MSC

Line No.	Customer Class	Projected										Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Inside City												
1	Residential	\$513,552	\$515,760	\$520,196	\$529,663	\$539,250	\$549,011	\$558,948	\$569,065	\$579,365	\$589,793	\$529,663
2	Commercial	81,051	81,400	82,100	83,594	85,107	86,647	88,216	89,812	91,438	93,084	83,594
3	Combined	37,012	37,171	37,491	38,173	38,864	39,567	40,283	41,013	41,755	42,507	38,173
4	Total Inside City	631,615	634,331	639,786	651,430	663,221	675,225	687,447	699,890	712,558	725,384	651,430
Steamboat II												
5	Residential	0	0	0	0	0	0	0	0	0	0	0
6	Commercial	0	0	0	0	0	0	0	0	0	0	0
7	Combined	0	0	0	0	0	0	0	0	0	0	0
8	Total Steamboat II	0										
9	Total System	\$631,615	\$634,331	\$639,786	\$651,430	\$663,221	\$675,225	\$687,447	\$699,890	\$712,558	\$725,384	\$651,430

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CALCULATED: VOLUME CHARGE REVENUE

Conversion
 1

FILE: Stmboat_W
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: PROJ_REV_VOL

Line No.	Customer Class	Projected									Test Year	
		2010	2011	2012	2013	2014	2015	2016	2017	2018		2019
		\$	\$	\$	\$	\$	\$	\$	\$	\$		
Inside City												
1	Residential	\$552,817	\$553,413	\$555,791	\$560,572	\$570,773	\$581,105	\$591,623	\$602,331	\$613,234	\$624,332	\$560,572
2	Commercial	476,685	477,198	479,250	483,370	492,168	501,076	510,145	519,382	528,781	538,351	483,370
3	Combined	43,160	43,206	43,393	43,764	44,563	45,369	46,189	47,024	47,877	48,744	43,764
4	Total Inside City	1,072,662	1,073,817	1,078,435	1,087,706	1,107,505	1,127,549	1,147,957	1,168,737	1,189,892	1,211,427	1,087,706
Steamboat II												
5	Residential	44,814	44,814	44,814	44,814	44,814	44,814	44,814	44,814	44,814	44,814	44,814
6	Commercial	0	0	0	0	0	0	0	0	0	0	0
7	Combined	0	0	0	0	0	0	0	0	0	0	0
8	Total Steamboat II	44,814										
9	Total System	\$1,117,476	\$1,118,631	\$1,123,248	\$1,132,519	\$1,152,318	\$1,172,362	\$1,192,771	\$1,213,550	\$1,234,705	\$1,256,241	\$1,132,519

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CALCULATED: PROJECTED WATER VOLUME

FILE: Stmboat_W
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: PROJ_VOL

Line No.	Customer Class	Projected									Test Year	
		2010	2011	2012	2013	2014	2015	2016	2017	2018		2019
		kgals										
Inside City												
1	Residential	212,647	212,876	213,791	215,630	219,554	223,528	227,574	231,693	235,887	240,156	215,630
2	Commercial	114,313	114,436	114,928	115,916	118,026	120,162	122,337	124,552	126,806	129,101	115,916
3	Combined	11,995	12,008	12,060	12,163	12,385	12,609	12,837	13,069	13,306	13,547	12,163
4	Total Inside City	338,955	339,320	340,779	343,709	349,965	356,299	362,748	369,314	375,999	382,804	343,709
Steamboat II												
5	Residential	43,806	43,806	43,806	43,806	43,806	43,806	43,806	43,806	43,806	43,806	43,806
6	Commercial	0	0	0	0	0	0	0	0	0	0	0
7	Combined	0	0	0	0	0	0	0	0	0	0	0
8	Total Steamboat II	43,806										
9	Total System	382,761	383,126	384,585	387,515	393,771	400,105	406,554	413,120	419,805	426,610	387,515
			0.10%	0.38%	0.76%	1.61%	1.61%	1.61%	1.62%	1.62%	1.62%	

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CALCULATED: 3/4" EQUIVALENT METERS (BASED ON METER COST)

FILE: Stmboat_W
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: PROJ_MTR_CST

Line No.	Customer Class	Actual	Projected									Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Inside City												
1	Residential	2,490	2,500	2,522	2,568	2,614	2,661	2,710	2,759	2,809	2,859	2,568
2	Commercial	469	471	475	483	492	501	510	519	529	538	483
3	Combined	82	82	83	84	86	87	89	90	92	94	84
4	Total Inside City	3,041	3,053	3,080	3,135	3,192	3,249	3,309	3,368	3,430	3,491	3,135
Steamboat II												
5	Residential	60	60	60	60	60	60	60	60	60	60	60
6	Commercial	0	0	0	0	0	0	0	0	0	0	0
7	Combined	0	0	0	0	0	0	0	0	0	0	0
8	Total Steamboat II	60										
9	Total System	3,101	3,113	3,140	3,195	3,252	3,309	3,369	3,428	3,490	3,551	3,195
10	Added SFEs		12	27	55	57	57	60	59	62	61	

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CALCULATED: 3/4" EQUIVALENT METERS (BASED ON METER CAPACITY)

FILE: Stmboat_W
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: PROJ_MTRREQ

Line No.	Customer Class	Actual	Projected									Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Inside City												
1	Residential	2,582	2,593	2,615	2,663	2,711	2,760	2,810	2,861	2,913	2,965	2,663
2	Commercial	652	654	660	672	684	697	709	722	735	748	672
3	Combined	135	136	137	139	142	144	147	150	152	155	139
4	Total Inside City	3,369	3,383	3,412	3,474	3,537	3,601	3,666	3,733	3,800	3,868	3,474
Steamboat II												
5	Residential	60	60	60	60	60	60	60	60	60	60	60
6	Commercial	0	0	0	0	0	0	0	0	0	0	0
7	Combined	0	0	0	0	0	0	0	0	0	0	0
8	Total Steamboat II	60										
9	Total System	3,429	3,443	3,472	3,534	3,597	3,661	3,726	3,793	3,860	3,928	3,534
10	Added SFEs		14	29	62	63	64	65	67	67	68	

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 TIERED VOLUME ALLOWANCE BY CUSTOMER CLASS

FILE: Stmboat_W
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: EXISTVOL

Period 2010
 Months Effective 12

Customer Class	Upper Limit of Each Tier (per unit)				
	First	Second	Third	Fourth	All Over
	kgals	kgals	kgals	kgals	kgals
Residential	4,000	12,000	20,000	28,000	28,000
Commercial	0	0	0	0	0
Combined	0	0	0	0	0

Customer Class	Amount of Water in Each Tier (per unit)				
	First	Next	Next	Next	All Over
	kgals	kgals	kgals	kgals	kgals
Residential	4,000	8,000	8,000	8,000	20,000
Commercial	0	0	0	0	0
Combined	0	0	0	0	0

Customer Class	2010 Volume Charge per kgals				
	First	Second	Third	Fourth	All Over
	\$/kgals	\$/kgals	\$/kgals	\$/kgals	\$/kgals
Inside City					
Residential	\$1.58	\$2.37	\$3.63	\$4.73	\$7.10
Commercial	4.17	4.17	4.17	4.17	4.17
Combined	4.17	4.17	4.17	4.17	4.17
Steamboat II					
Residential	\$1.02	\$1.02	\$1.02	\$1.02	\$1.02
Commercial	1.02	1.02	1.02	1.02	1.02
Combined	1.02	1.02	1.02	1.02	1.02

Customer Class	% of Use in Block				
	First	Second	Third	Fourth	All Over
	%	%	%	%	%
Residential	51%	27%	9%	4%	9%
Commercial	0%	0%	0%	0%	100%
Combined	0%	0%	0%	0%	100%
Residential	0%	0%	0%	0%	100%
Commercial	0%	0%	0%	0%	100%
Combined	0%	0%	0%	0%	100%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 EXISTING SERVICE CHARGE BY METER SIZE

FILE: Stmboat_W
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: EXIST_MSC

Period 2010
 Months Effective 12

Meter Size	2010 Monthly Service Charge							
	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"
	\$/bill	\$/bill	\$/bill	\$/bill	\$/bill	\$/bill	\$/bill	\$/bill
Customer Class								
Inside City								
Residential	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00
Commercial	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
Combined	19.50	19.50	19.50	19.50	19.50	19.50	19.50	19.50
Steamboat II								
Residential	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Combined	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Steamboat II								

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROJECTED UNITS

FILE: Stmboat_W
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: Proj_Units

Line No.	Customer Class	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Test Year
Inside City													
1	Residential	2,850	2,853	2,865	2,890	2,943	2,996	3,050	3,105	3,161	3,219	3,277	2,943
2	Commercial	346	346	348	351	357	364	370	377	384	391	398	357
3	Combined	158	158	159	160	163	166	169	172	175	178	182	163
4	Total Inside City	3,354	3,358	3,372	3,401	3,463	3,526	3,589	3,654	3,721	3,788	3,856	3,463
Steamboat II													
5	Residential	406	406	406	406	406	406	406	406	406	406	406	406
6	Commercial	1	1	1	1	1	1	1	1	1	1	1	1
7	Combined	0	0	0	0	0	0	0	0	0	0	0	0
8	Total Steamboat II	407											
9	Total System	3,761	3,765	3,779	3,808	3,870	3,933	3,996	4,061	4,128	4,195	4,263	3,870

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROJECTED BILLS

FILE: Stmboat_W
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: PROJ_BILLS

ALL SFR -

Customer Class	Actual	Projected										Test Year
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Inside City												
Residential	28,917	28,948	29,072	29,322	29,856	30,396	30,946	31,506	32,076	32,657	33,245	29,856
Commercial	4,032	4,036	4,053	4,088	4,162	4,237	4,314	4,392	4,471	4,552	4,634	4,162
Combined	573	574	576	581	592	603	614	625	636	648	660	592
Total Inside City	33,522	33,558	33,701	33,991	34,610	35,236	35,874	36,523	37,183	37,857	38,539	34,610
Steamboat II												
Residential	12	12	12	12	12	12	12	12	12	12	12	12
Commercial	0	0	0	0	0	0	0	0	0	0	0	0
Combined	0	0	0	0	0	0	0	0	0	0	0	0
Total Steamboat II	12	12										
Total System	33,534	33,570	33,713	34,003	34,622	35,248	35,886	36,535	37,195	37,869	38,551	34,622
Average Annual Growth		0.11%	0.43%	0.86%	1.82%	1.81%	1.81%	1.81%	1.81%	1.81%	1.81%	1.80%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 ACCOUNTS BY METER SIZE
 AS OF DECEMBER 2009

FILE: Stmboat_W
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: ACCTS_METER

Customer Class	Total	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"
Inside City									
Residential	3,157	2,947	189	8	10	2	1	0	0
Commercial	476	288	94	46	40	5	3	0	0
Combined	60	27	17	0	14	2	0	0	0
Total Inside City	3,693	3,262	300	54	64	9	4	0	0
Steamboat II									
Residential	1								1
Commercial	0								
Combined	0								
Total Steamboat II	1	0	0	0	0	0	0	0	1
Total System	3,694	3,262	300	54	64	9	4	0	1

Inside City									
Residential	100.0%	93.3%	6.0%	0.3%	0.3%	0.1%	0.0%	0.0%	0.0%
Commercial	100.0%	60.5%	19.7%	9.7%	8.4%	1.1%	0.6%	0.0%	0.0%
Combined	100.0%	45.0%	28.3%	0.0%	23.3%	3.3%	0.0%	0.0%	0.0%
Steamboat II									
Residential	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Commercial	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Combined	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROJECTED USE PER UNIT

FILE: Stmboat_W
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: *PROJ_USE_UNIT

Customer Class	Historical	Projected									
	Average*	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	kgals	kgals	kgals	kgals	kgals	kgals	kgals	kgals	kgals	kgals	kgals
Inside City											
Residential	6.22	6.22	6.22	6.22	6.22	6.22	6.22	6.22	6.22	6.22	6.22
Commercial	27.53	27.53	27.53	27.53	27.53	27.53	27.53	27.53	27.53	27.53	27.53
Combined	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33
Total Inside City											
Residential	8.99	8.99	8.99	8.99	8.99	8.99	8.99	8.99	8.99	8.99	8.99
Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Combined	?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 METER RATIOS

FILE: Stmboat_W
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: METER_RATIOS

	B 3/4"	C 1"	D 1 1/2"	E 2"	F 3"	G 4"	H 6"	J 8"
	Displacement	Displacement	Displacement	Compound	Compound	Turbine Class I	Turbine Class I	Turbine Class I
Meter Capacity (gpm)	25	40	50	160	320	600	1,250	1,800
Meter Capacity Ratio	1.00	1.60	2.00	6.40	12.80	24.00	50.00	60.00
Meter Cost	427.40	563.87	750.96	1,358.86	1,782.38	3,184.03	5,475.49	9416.05
Meter Cost Ratio	1.00	1.32	1.76	3.18	4.17	7.45	12.81	60.00

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
HISTORICAL USE PER UNIT**

**FILE:
SCHEDULE:
DATE:
RANGE:**

**Stmboat_W
REV
09/01/10
HIST_USEPERUNIT**

Customer Class	2008	2009	4-year Average	Use
	kgals	kgals	kgals	kgals
Inside City				
Residential	6.71	6.22	6.47	6.22
Commercial	29.44	27.53	28.48	27.53
Combined	13.62	6.33	8.94	6.33
Steamboat II				
Residential	9.23	8.99	9.11	8.99
Commercial	0.00	0.00	-	-
Combined	?	?	#N/A	?

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
HISTORICAL USE PER BILL**

**FILE:
SCHEDULE:
DATE:
RANGE:**

**Stmboat_W
REV
09/01/10
HIST_USEPERBILL**

Customer Class	2008	2009	4-year Average	Use
	kgals	kgals	kgals	kgals
Inside City				
Residential	7.94	7.35	7.65	7.35
Commercial	29.44	28.35	28.90	28.35
Combined	29.47	20.93	24.86	20.93
Steamboat II				
Residential	3,690.00	3,650.50	3,670.25	3,650.50
Commercial	?	?	#N/A	?
Combined	?	?	#N/A	?

**STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 HISTORICAL USE BY CUSTOMER CLASS**

**FILE: Stmboat_W
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: HIST_USE**

Customer Class	2008	2009
	kgals	kgals
Inside City		
Residential	230,132	212,647
Commercial	120,115	114,313
Combined	14,382	11,995
Total Inside City	364,629	338,955
Steamboat II		
Residential	44,280	43,806
Commercial	0	0
Combined	0	0
Total Steamboat II	44,280	43,806
Total System	408,909	382,761

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
HISTORICAL UNITS**

**FILE: Stmboat_W
SCHEDULE: REV
DATE: 09/01/10
RANGE: HIST_Units**

Customer Class	2008	2009
Inside City		
Residential	2,857	2,850
Commercial	340	346
Combined	88	158
Total Inside City	3,285	3,354
Steamboat II		
Residential	400	406
Commercial	1	1
Combined		
Total Steamboat II	401	407
Total System	3,686	3,761

**STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 HISTORICAL BILLS BY CUSTOMER CLASS**

**FILE: Stmboat_W
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: HIST_Bills**

Customer Class	2008	2009
Inside City		
Residential	28,988	28,917
Commercial	4,080	4,032
Combined	488	573
Total Inside City	33,556	33,522
Steamboat II		
Residential	12	12
Commercial	0	0
Combined	0	0
Total Steamboat II	12	12
Total System	33,568	33,534

Appendix B - Water Cost of Service



STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 TEST YEAR COST OF SERVICE

FILE: Stmboat_W
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_TY

Line No.	Description	2013 Test Year \$
Revenue Requirements		
	Operation & Maintenance Expense	
1	Current Operations	\$1,164,643
2	Total Operation & Maintenance Expense	1,164,643
Debt Service		
3	Existing	0
4	Proposed	735,111
Capital		
5	Non-Growth CIP	1,965,977
6	Total Capital Costs	2,701,088
7	Total Revenue Requirements	3,865,731
Operating Subfund Other Inflows / Outflows		
8	Meter Sales (new)	(2,576)
9	Misc Chgs - Materials	(1,030)
10	Misc Chgs - Labor/Equip	(2,576)
11	Charges for Service	(4,636)
12	Penalties	(1,545)
13	Interest Income - Invest	(10,698)
14	Filtration Bay Lease Pmt	(61,818)
15	Bond / Loan Proceeds - Non Growth	(4,100,000)
16	Private Contributions	0
17	WCONV Private Contribution	0
18	Debt Service Reserve Deposit (New Debt)	361,031
19	Transfer to General Fund	88,555
20	Loan (To) Devel. Fee Subfund	(220,000)
21	Total Operating Subfund Other Inflows / Outflows	(3,955,294)
22	Increase (Decrease) in Operating Reserves	2,399,831
23	Total Adjustments	(1,555,462)
24	Net Cost of Service	\$2,310,268

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 ADJUSTED COST OF SERVICE

FILE: Stmboat_W
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_COMPCOS

Line No.	Customer Class	(1) 2013 Test Year Cost of Service	(2) 2013 Revenue at Existing Rates	(3) Indicated Revenue Increase
City				
1	Residential	\$1,560,493	\$1,090,236	43.13%
2	Commercial	589,095	566,964	3.90%
3	Combined	69,365	81,937	-15.34%
4	Total	2,218,953	1,739,137	27.59%
Wholesale				
5	Steamboat II	91,920	44,814	105.11%
6	Total	91,920	44,814	105.11%
7	Total System	\$2,310,873	\$1,783,951	29.54%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 ALLOCATION OF WATER SYSTEM ASSETS

FILE: Stmboat_W
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_PLTALLO

Line No.	Description	(1)	(2)	(3)	(4)	(5)		(6)	(7)	(8)		(9)	(10)
		Assets (1) \$	CIP (2) \$	Total \$	Base \$	Extra Capacity		Maximum Day \$	Maximum Hour \$	Local Distribution Lines \$	Meters and Services \$	Billing \$	Direct Fire Protection \$
						Maximum Day \$	Maximum Hour \$						
1	Source of Supply / Water Rights	\$2,106,486	\$758,316	\$2,864,802	\$1,203,217	\$1,661,585	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Treatment	5,770,286	2,608,640	8,378,926	3,519,149	4,859,777	0	0	0	0	0	0	0
3	Storage	1,523,750	2,747,841	4,271,591	1,110,614	1,537,773	1,623,205	0	0	0	0	0	0
Transmission and Distribution Lines (3)													
4	Constructed Water Lines - Transmission	1,491,464	1,005,637	2,497,101	649,246	898,956	948,899	0	0	0	0	0	0
5	Constructed Water Lines - Distribution	9,981,337	6,730,033	16,711,370	2,172,478	3,008,047	3,175,160	8,355,685	0	0	0	0	0
6	Total Transmission and Distribution Lines	11,472,801	7,735,671	19,208,472	2,821,725	3,907,003	4,124,059	8,355,685	0	0	0	0	0
7	Subtotal of All Above	20,873,324	13,850,467	34,723,791	8,654,704	11,966,138	5,747,263	8,355,685	0	0	0	0	0
General Plant													
8	Miscellaneous / Admin	944,047	627,432	1,571,480	391,682	541,546	260,101	378,150	0	0	0	0	0
9	Total General Plant	944,047	627,432	1,571,480	391,682	541,546	260,101	378,150	0	0	0	0	0
10	Total Water System Assets	\$21,817,371	\$14,477,900	\$36,295,271	\$9,046,386	\$12,507,685	\$6,007,365	\$8,733,835	\$0	\$0	\$0	\$0	\$0
11	<i>Percent of Total</i>			100.0%	24.9%	34.5%	16.6%	24.1%	0.0%	0.0%	0.0%	0.0%	0.0%
12	Annual Capital Costs			\$2,701,088	\$673,230	\$930,820	\$447,067	\$649,971	\$0	\$0	\$0	\$0	\$0
Allocation of Functions to Service Demand Categories													
13	Source of Supply			100.00%	42.00%	58.00%							
14	Treatment			100.00%	42.00%	58.00%							
15	Storage			100.00%	26.00%	36.00%	38.00%						
Transmission and Distribution Lines													
16	Constructed Water Lines - Transmission			100.00%	26.00%	36.00%	38.00%						
17	Constructed Water Lines - Distribution			100.00%	13.00%	18.00%	19.00%	50.00%					
18	Total Transmission and Distribution Lines												
General Plant													
19	Miscellaneous / Admin			100.00%	24.92%	34.46%	16.55%	24.06%	0.00%	0.00%	0.00%	0.00%	0.00%

(1) Existing water system assets as of 12/31/09 by function original cost.

(2) Cumulative CIP by functional designation constructed through the test year.

(2) 87% of the inch-feet of water system lines are distribution, remaining 13% are transmission lines per water system line inventory of linear feet by line diameter size.

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CAPITAL IMPROVEMENT PROJECTS
 CUMULATIVE CIP BY FUNCTION CONSTRUCTED - INFLATED \$'s

FILE: Stmboat_W
 SCHEDULE: CIP
 DATE: 09/01/10
 RANGE: CIP_CUM_SUM

Line No.	DESCRIPTION	Function	Estimated	Projected									Test Year	
			2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
1	Non-Growth Related													
2	Storage	1	\$ 173,250	\$ 1,779,278	\$ 1,779,278	\$ 1,945,372	\$ 1,945,372	\$ 1,945,372	\$ 1,945,372	\$ 1,945,372	\$ 1,945,372	\$ 1,945,372	\$ 1,945,372	\$1,945,372
3	Source of Supply / Water Rights	2	109,340	273,857	443,309	497,945	554,221	612,184	671,887	733,381	796,719	861,958	929,100	497,945
4	Treatment	3	265,000	1,481,945	1,481,945	1,481,945	1,481,945	1,481,945	1,481,945	1,481,945	1,481,945	1,481,945	1,481,945	1,481,945
5	Transmission & Distribution	4	1,040,449	2,505,317	4,910,561	6,531,236	9,279,659	11,423,500	13,299,624	15,269,554	17,337,981	19,509,829	21,800,000	6,531,236
6	Miscellaneous / Admin	5	212,999	381,919	502,862	627,432	627,432	662,211	662,211	662,211	662,211	662,211	662,211	627,432
7	Subtotal Non-Growth Related		1,801,038	6,422,316	9,117,954	11,083,931	13,888,629	16,125,213	18,061,039	20,092,463	22,224,228	24,461,315	26,800,000	11,083,931
8	Growth Related													
9	Storage	1	51,750	531,473	531,473	802,469	802,469	802,469	802,469	802,469	802,469	802,469	802,469	802,469
10	Source of Supply / Water Rights	2	32,660	117,918	205,734	260,371	316,646	374,610	434,312	495,806	559,145	624,383	690,000	260,371
11	Treatment	3	90,000	1,126,695	1,126,695	1,126,695	1,126,695	1,222,683	3,239,736	4,652,480	4,652,480	4,769,426	4,769,426	1,126,695
12	Transmission & Distribution	4	74,875	558,347	1,204,435	1,204,435	1,204,435	1,311,088	1,403,030	2,358,642	2,358,642	2,358,642	2,358,642	1,204,435
13	Miscellaneous / Admin	5	0	0	0	0	0	0	0	0	0	0	0	0
14	Subtotal Non-Growth		249,285	2,334,432	3,068,337	3,393,969	3,450,245	3,710,849	5,879,547	8,309,396	8,372,735	8,554,920	8,554,920	3,393,969
15	Non-Growth and Growth-Related													
16	Storage	1	225,000	2,310,750	2,310,750	2,747,841	2,747,841	2,747,841	2,747,841	2,747,841	2,747,841	2,747,841	2,747,841	2,747,841
17	Source of Supply / Water Rights	2	142,000	391,775	649,043	758,316	870,867	986,794	1,106,199	1,229,187	1,355,864	1,486,341	1,621,000	758,316
18	Treatment	3	355,000	2,608,640	2,608,640	2,608,640	2,608,640	2,704,628	4,721,681	6,134,425	6,134,425	6,251,371	6,251,371	2,608,640
19	Transmission & Distribution	4	1,115,324	3,063,664	6,114,996	7,735,671	10,484,094	12,734,588	14,702,654	17,628,196	19,696,623	21,868,471	24,100,000	7,735,671
20	Miscellaneous / Admin	5	212,999	381,919	502,862	627,432	627,432	662,211	662,211	662,211	662,211	662,211	662,211	627,432
21	Total Growth-Related and Non-Growth Related		\$2,050,323	\$8,756,748	\$12,186,290	\$14,477,900	\$17,338,874	\$19,836,062	\$23,940,586	\$28,401,859	\$30,596,963	\$33,016,235	\$35,900,000	\$14,477,900

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
WATER SYSTEM ASSET SUMMARY

FILE: Stmboat_W
SCHEDULE: COS
DATE: 09/01/10
RANGE: ASSET_SUM

Function Code	Functional Category	Asset Count	Original Cost	RCN
1	Storage	9	\$1,523,750	\$2,382,020
2	Source of Supply	7	284,561	293,274
3	Treatment	15	5,770,286	10,804,162
4	Transmission & Distribution	77	11,472,801	20,585,077
5	Miscellaneous / Admin	12	944,047	1,019,950
6	Water Rights	12	1,821,925	1,821,925
Total			<u>\$ 21,817,371</u>	<u>\$ 36,906,408</u>

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 O&M ALLOCATIONS TO FUNCTIONAL COSTS

FILE: Stmboat_W
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_OMFUNC

Line No.	Description	Total	Source of Supply / Water Rights	Treatment	Storage	Transmission	Distribution	Meters and Services	Customer Accounting and Billing	Total
1	Water Rights Management	\$224,737	\$224,737	\$0	\$0	\$0	\$0	\$0	\$0	\$224,737
2	Water Storage	140,769	0	0	140,769	0	0	0	0	140,769
3	Water Treatment	286,789	0	286,789	0	0	0	0	0	286,789
4	Water Admin/Distribution	250,455	0	0	0	32,559	217,896	0	0	250,455
5	Water Meter Reading/Billing/RPRS	114,213	0	0	0	0	0	57,107	57,107	114,213
6	Water Administration	147,679	32,635	41,646	20,442	4,728	31,642	8,293	8,293	147,679
7	Total O&M	\$1,164,643	\$257,373	\$328,435	\$161,211	\$37,287	\$249,538	\$65,399	\$65,399	\$1,164,643
Allocations to Functions (1)										
8	Water Rights Management	100.0%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
9	Water Storage	100.0%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10	Water Treatment	100.0%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
11	Water Admin/Distribution	100.0%	0.00%	0.00%	0.00%	13.00%	87.00%	0.00%	0.00%	0.00%
12	Water Meter Reading/Billing/RPRS	100.0%	0.00%	0.00%	0.00%	0.00%	0.00%	50.00%	50.00%	0.00%
13	Water Administration	100.0%	22.10%	28.20%	13.84%	3.20%	21.43%	5.62%	5.62%	0.00%
14	Weighted Average	100.0%	22.10%	28.20%	13.84%	3.20%	21.43%	5.62%	5.62%	0.00%

(1) Based on City budget by functional cost categories based on 2010 budget adjusted for inflation and additional expenses. Water Admin / Distribution is split between transmission and distribution based on current inventory of pipelines by diameter size.

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 ALLOCATION OF OPERATION AND MAINTENANCE EXPENSE

FILE: Stmboat_W
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_OMALLO

Line No.	Description	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Total	Base	Maximum Day	Maximum Hour	Local Distribution Lines	Customer Meters and Services	Billing/ Customer Service	Direct Fire Protection
		\$	\$	\$	\$	\$	\$	\$	\$
1	Source of Supply / Water Rights	100.00%	42.00%	58.00%	0.00%				
2	Treatment	100.00%	42.00%	58.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Storage	100.00%	26.00%	36.00%	38.00%	0.00%	0.00%	0.00%	0.00%
4	Transmission	100.00%	26.00%	36.00%	38.00%	0.00%	0.00%	0.00%	0.00%
5	Distribution	100.00%	14.00%	18.00%	18.00%	50.00%	0.00%	0.00%	0.00%
6	Meters and Services	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%
7	Customer Accounting and Billing	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%
8	Source of Supply / Water Rights	\$257,373	\$108,096	\$149,276	\$0	\$0	\$0	\$0	\$0
9	Treatment	328,435	137,943	190,492	0	0	0	0	0
10	Storage	161,211	41,915	58,036	61,260	0	0	0	0
11	Transmission	37,287	9,695	13,423	14,169	0	0	0	0
12	Distribution	249,538	34,935	44,917	44,917	124,769	0	0	0
13	Meters and Services	65,399	0	0	0	0	65,399	0	0
14	Customer Accounting and Billing	65,399	0	0	0	0	0	65,399	0
15	Total Operation and Maintenance Expense	\$1,164,643	\$332,584	\$456,145	\$120,346	\$124,769	\$65,399	\$65,399	\$0
16	<i>Percent of Total</i>	100.0%	28.56%	39.17%	10.33%	10.71%	5.62%	5.62%	0.00%
Total O&M Excluding Administration									
17	<i>Amount</i>	\$1,164,643	\$332,584	\$456,145	\$120,346	\$124,769	\$65,399	\$65,399	\$0
18	<i>Percent</i>	100.00%	28.56%	39.17%	10.33%	10.71%	5.62%	5.62%	0.00%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 ALLOCATION OF ADJUSTMENTS TO REVENUE REQUIREMENTS

FILE: Stmboat_W
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_REVADJ

Line No.	Description	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Total	Base	Extra Capacity		Local Distribution Lines	Customer		Direct Fire Protection
				Maximum Day	Maximum Hour		Meters and Services	Billing/ Customer Service	
1	Meter Sales (new)	(\$2,576)	(\$736)	(\$1,009)	(\$266)	(\$276)	(\$145)	(\$145)	\$0
2	Misc Chgs - Materials	(1,030)	(294)	(404)	(106)	(110)	(58)	(58)	0
3	Misc Chgs - Labor/Equip	(2,576)	(736)	(1,009)	(266)	(276)	(145)	(145)	0
4	Charges for Service	(4,636)	(1,324)	(1,816)	(479)	(497)	(260)	(260)	0
5	Penalties	(1,545)	(441)	(605)	(160)	(166)	(87)	(87)	0
6	Interest Income - Invest	(10,698)	(2,666)	(3,687)	(1,771)	(2,574)	0	0	0
7	Filtration Bay Lease Pmt	(61,818)	(17,653)	(24,212)	(6,388)	(6,623)	(3,471)	(3,471)	0
8	Bond / Loan Proceeds - Non Growth	(4,100,000)	(1,021,901)	(1,412,898)	(678,606)	(986,595)	0	0	0
9	Private Contributions	0	0	0	0	0	0	0	0
10	WCONV Private Contribution	0	0	0	0	0	0	0	0
11	Debt Service Reserve Deposit (New Debt)	361,031	89,985	124,415	59,756	86,876	0	0	0
12	Transfer to General Fund	88,555	22,072	30,517	14,657	21,309	0	0	0
13	Loan (To) Devel. Fee Subfund	(220,000)	(54,834)	(75,814)	(36,413)	(52,939)	0	0	0
14	Increase (Decrease) in Operating Reserves	2,399,831	598,144	827,004	397,205	577,478	0	0	0
15	Total	(\$1,555,462)	(\$390,385)	(\$539,517)	(\$252,838)	(\$364,392)	(\$4,166)	(\$4,166)	\$0
16	Total - Weighted Average		25.10%	34.69%	16.25%	23.43%	0.27%	0.27%	0.00%
17	Meter Sales (new)		28.56%	39.17%	10.33%	10.71%	5.62%	5.62%	0.00%
18	Misc Chgs - Materials		28.56%	39.17%	10.33%	10.71%	5.62%	5.62%	0.00%
19	Misc Chgs - Labor/Equip		28.56%	39.17%	10.33%	10.71%	5.62%	5.62%	0.00%
20	Charges for Service		28.56%	39.17%	10.33%	10.71%	5.62%	5.62%	0.00%
21	Penalties		28.56%	39.17%	10.33%	10.71%	5.62%	5.62%	0.00%
22	Interest Income - Invest		24.92%	34.46%	16.55%	24.06%	0.00%	0.00%	0.00%
23	Filtration Bay Lease Pmt		28.56%	39.17%	10.33%	10.71%	5.62%	5.62%	0.00%
24	Bond / Loan Proceeds - Non Growth		24.92%	34.46%	16.55%	24.06%	0.00%	0.00%	0.00%
25	Private Contributions		24.92%	34.46%	16.55%	24.06%	0.00%	0.00%	0.00%
26	WCONV Private Contribution		24.92%	34.46%	16.55%	24.06%	0.00%	0.00%	0.00%
27	Debt Service Reserve Deposit (New Debt)		24.92%	34.46%	16.55%	24.06%	0.00%	0.00%	0.00%
28	Transfer to General Fund		24.92%	34.46%	16.55%	24.06%	0.00%	0.00%	0.00%
29	Loan (To) Devel. Fee Subfund		24.92%	34.46%	16.55%	24.06%	0.00%	0.00%	0.00%
30	Increase (Decrease) in Operating Reserves		24.92%	34.46%	16.55%	24.06%	0.00%	0.00%	0.00%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 ESTIMATED UNITS OF SERVICE

FILE: Steamboat_W
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_SERVUNITS

Line No.	Customer Class	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
		Water Use		Maximum Day Demand			Maximum Hour Demand			Units	Bills	Eq. Meters (Meter Cap.)	Eq. Meters (Meter Cost)	Direct Weighted Fire Units	Indirect Weighted Fire Units
		Annual 1,000 gallons	Average Day gpd	Demand Factor	Total Demand gpd	Extra Demand gpd	Demand Factor	Total Demand gpd	Extra Demand gpd						
Inside City															
1	Residential	215,630	590,767	267%	1,577,682	986,915	427%	2,524,292	946,609	2,943	29,856	2,663	2,568	0	7,464,000
2	Commercial	115,916	317,578	240%	761,360	443,782	384%	1,218,175	456,816	357	4,162	672	483	0	3,641,750
3	Combined	12,163	33,323	200%	66,603	33,280	320%	106,565	39,962	163	592	139	84	0	518,000
4	Total Inside City	343,709	941,669		2,405,645	1,463,977		3,849,032	1,443,387	3,463	34,610	3,474	3,135	0	11,623,750
Steamboat II															
5	Steamboat II - All Customers	43,806	120,016	160%	192,469	72,452	257%	307,950	115,481	406	12	60	60	0	0
	Commercial	0	0	240%	0	0	384%	0	0	12	0	0	0	0	0
	Combined	0	0	200%	0	0	320%	0	0	0	0	0	0	0	0
6	Total Steamboat II	43,806	120,016		192,469	72,452		307,950	115,481	418	12	60	60	0	0
Fire Protection															
7	Inside City				630	630		5,040	4,410						
8	Steamboat II				0	0		0	0						
9	Total Fire Protection				630	630		5,040	4,410						
10	Total System	387,515	1,061,685		2,598,744	1,537,059		4,162,022	1,563,278	3,881	34,622	3,534	3,195	0	11,623,750

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 DEVELOPMENT OF UNIT COSTS OF SERVICE

FILE: Stmboat_W
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_ULTRUNITS

Line No.	Description	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Total	Base	Extra Capacity Maximum Day	Maximum Hour	Local Distribution Lines	Customer Meters and Services	Billing/ Customer Service	Direct Fire Protection
		\$	\$	\$	\$	\$	\$	\$	\$
Revenue Requirements - \$									
1	Source of Supply / Water Rights	\$257,373	\$108,096	\$149,276	\$0	\$0	\$0	\$0	\$0
2	Treatment	328,435	137,943	190,492	0	0	0	0	0
3	Storage	161,211	41,915	58,036	61,260	0	0	0	0
4	Transmission	37,287	9,695	13,423	14,169	0	0	0	0
5	Distribution	249,538	34,935	44,917	44,917	124,769	0	0	0
6	Meters and Services	65,399	0	0	0	0	65,399	0	0
7	Customer Accounting and Billing	65,399	0	0	0	0	0	65,399	0
8	Operating Costs	1,164,643	332,584	456,145	120,346	124,769	65,399	65,399	0
9	Source of Supply / Water Rights	213,198	89,543	123,655	0	0	0	0	0
10	Treatment	623,558	261,894	361,664	0	0	0	0	0
11	Storage	317,891	82,652	114,441	120,799	0	0	0	0
12	Constructed Water Lines - Transmission	185,834	48,317	66,900	70,617	0	0	0	0
13	Constructed Water Lines - Distribution	1,243,657	161,675	223,858	236,295	621,829	0	0	0
14	Miscellaneous / Admin	116,949	29,149	40,302	19,357	28,142	0	0	0
15	Capital Costs	2,701,088	673,231	930,820	447,067	649,971	0	0	0
16	Source of Supply / Water Rights	470,571	197,640	272,931	0	0	0	0	0
17	Treatment	951,994	399,837	552,156	0	0	0	0	0
18	Storage	479,102	124,566	172,477	182,059	0	0	0	0
19	Transmission	223,121	58,012	80,324	84,786	0	0	0	0
20	Distribution	1,493,196	196,611	268,775	281,212	746,598	0	0	0
21	Miscellaneous / Admin	116,949	29,149	40,302	19,357	28,142	0	0	0
22	Meters and Services	65,399	0	0	0	0	65,399	0	0
23	Customer Accounting and Billing	65,399	0	0	0	0	0	65,399	0
24	Total Revenue Requirements	3,865,731	1,005,815	1,386,965	567,413	774,740	65,399	65,399	0
25	Adjustment to Cost of Service	(1,555,462)	(390,385)	(539,517)	(252,838)	(364,392)	(4,166)	(4,166)	0
26	Net Cost of Service	2,310,268	615,430	847,447	314,576	410,348	61,234	61,234	0
27	All Customer Costs	2,372,535	809,204	1,118,189	286,201	28,142	65,399	65,399	0
28	City only Costs	1,493,196	196,611	268,775	281,212	746,598	0	0	0
29	Total Revenue Requirements	3,865,731	1,005,815	1,386,965	567,413	774,740	65,399	65,399	0
30	All Customer Costs	(954,642)	(239,593)	(331,121)	(155,175)	(223,640)	(2,557)	(2,557)	0
31	City only Costs	(600,820)	(150,792)	(208,396)	(97,662)	(140,752)	(1,609)	(1,609)	0
32	Adjustment to Cost of Service	(1,555,462)	(390,385)	(539,517)	(252,838)	(364,392)	(4,166)	(4,166)	0
33	All Customer Costs	1,417,893	569,611	787,069	131,026	(195,498)	62,843	62,843	0
34	City only Costs	892,375	45,819	60,379	183,549	605,846	(1,609)	(1,609)	0
35	Net Cost of Service	\$2,310,268	\$615,430	\$847,447	\$314,576	\$410,348	\$61,234	\$61,234	\$0
Units of Service									
36	All Customer Costs		387,515	1,537,059	1,563,278	3,881	3,195	34,622	
37	City only Costs		343,709	1,464,607	1,447,797	3,463	3,135	34,610	
Unit Cost of Service									
38	All Customer Costs		\$1.470	\$0.512	\$0.084	(\$50.374)	\$19.669	\$1.815	
39	City only Costs		0.133	0.041	0.127	174.951	(0.513)	(0.046)	
40	City Costs		1.603	0.553	0.211	124.577	19.156	1.769	
41	Steamboat II Costs		\$1.470	\$0.512	\$0.084	(\$50.374)	\$19.669	\$1.815	

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 DISTRIBUTION OF COSTS TO CUSTOMER CLASSES - INSIDE CITY

FILE: Stmboat_W
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_CUST_ALLOC_IS

Line No.	Customer Class	(1)	(2)	(3)		(4)	(5)	(6)		(7)	(8)
		Total	Base	Maximum Day	Maximum Hour	Local Distribution Lines	Meters and Services	Billing/ Customer Service	Direct Fire Protection		
1	Unit Costs of Service - \$/unit		\$1.603	\$0.553	\$0.211	\$124,577	\$19,156	\$1,769	\$0.000		
	Residential										
2	Units		215,630	986,915	946,609	2,943	2,568	29,856			
3	Cost of Service - \$	\$1,559,672	\$345,701	\$546,047	\$199,350	\$366,578	\$49,192	\$52,804			
	Commercial										
4	Units		115,916	443,782	456,816	357	483	4,162			
5	Cost of Service - \$	\$588,695	\$185,838	\$245,538	\$96,202	\$44,504	\$9,252	\$7,361			
	Combined										
6	Units		12,163	33,280	39,962	163	84	592			
7	Cost of Service - \$	\$69,308	\$19,500	\$18,413	\$8,416	\$20,323	\$1,609	\$1,047			
8	Total City - \$	\$2,217,675	\$551,039	\$809,998	\$303,968	\$431,405	\$60,053	\$61,212	\$0		

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 DISTRIBUTION OF COSTS TO CUSTOMER CLASSES - WHOLESALE

FILE: Stmboat_W
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_CUST_ALLOC_OS

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
			Extra Capacity		Customer				
Line No.	Customer Class	Total	Base	Maximum Day	Maximum Hour	Local Distribution Lines	Meters and Services	Billing/ Customer Service	Direct Fire Protection
1	Unit Costs of Service - \$/unit		\$1.470	\$0.512	\$0.084	(\$50.374)	\$19.669	\$1.815	\$0.000
2	Steamboat II Units		43,806	72,452	115,481	406	60	12	
3	Cost of Service - \$	\$91,920	\$64,391	\$37,100	\$9,679	(\$20,452)	\$1,180	\$22	
4	Total Steamboat II - \$	\$91,920	\$64,391	\$37,100	\$9,679	(\$20,452)	\$1,180	\$22	\$0

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 DISTRIBUTION OF COSTS TO CUSTOMER CLASSES - SUMMARY

FILE: Stmboat_W
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_CUST_ALLOC_SUM

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Line No.	Customer Class	Total	Base	Extra Capacity		Customer		Direct Fire Protection	
				Maximum Day	Maximum Hour	Local Distribution Lines	Meters and Services		Billing/ Customer Service
Total Costs									
1	City	\$2,217,675	\$551,039	\$809,998	\$303,968	\$431,405	\$60,053	\$61,212	\$0
2	Steamboat II	91,920	64,391	37,100	9,679	(20,452)	1,180	22	0
3	Total System	\$2,309,595	\$615,430	\$847,098	\$313,647	\$410,953	\$61,233	\$61,234	\$0
Fire Protection									
City									
4	Units			630	4,410				0
5	Cost of Service - \$	\$1,278		\$349	\$929				\$0
Wholesale									
6	Units			0	0				0
7	Cost of Service - \$	\$0		\$0	\$0				\$0
8	Total Fire Protection	\$1,278	\$0	\$349	\$929	\$0	\$0	\$0	\$0
9	Total Cost of Service	\$2,310,268	\$615,430	\$847,447	\$314,576	\$410,348	\$61,234	\$61,234	\$0

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 ADJUSTED COST OF SERVICE

FILE: Stmboat_W
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_ADJCOS

Line No.	Customer Class	(1) Distributed Cost	(2) Direct Fire Protection Adjustment	(3) Indirect Fire Protection Adjustment	(4) Cost of Service
City					
1	Residential	\$1,559,672	\$0	\$821	\$1,560,493
2	Commercial	588,695	0	400	589,095
3	Combined	69,308	0	57	69,365
4	Total	2,217,675	0	1,278	2,218,953
Wholesale					
5	Steamboat II	91,920	0	0	91,920
6	Total	91,920	0	0	91,920
7	Total Water System	2,309,595	0	1,278	2,310,873
Fire Protection					
8	In City Public Fire Protection	1,278	0	(1,278)	0
9	Out District Public Fire Protection	0	0	0	0
10	Total Fire Protection	1,278	0	(1,278)	0
11	Total System	\$2,310,873	\$0	\$0	\$2,310,873

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 INPUT - SYSTEM LINE FEET BY DIAMETER SIZE (1)

FILE: Stmboat_W
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_LINE SIZE

Diameter (Inches)	Pipe Length, feet	Inch-Feet	Percent
2	0	0	0.00%
3	0	0	0.00%
4	10,350	41,400	1.40%
6	29,330	175,980	5.97%
8	147,660	1,181,280	40.05%
10	31,350	313,500	10.63%
12	66,450	797,400	27.03%
14	3,150	44,100	1.50%
15	0	0	0.00%
16	13,460	215,360	7.30%
18	0	0	0.00%
20	7,890	157,800	5.35%
24	0	0	0.00%
27	0	0	0.00%
30	760	22,800	0.77%
Total	310,400	2,949,620	100.00%
Distribution	Less Than 16"	2,553,660	87.0%
Transmission	16" and Greater	395,960	13.0%
		2,949,620	100.0%

(1) City of Steamboat Springs Water and Wastewater Master Plan Updates, December 9, 2009, Table III W-A.

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
MONTHLY DEMAND BY CLASS

FILE: Stmboat_W
SCHEDULE: COS
DATE: 09/01/10
RANGE: COS_PEAKING

	2009 January	2009 February	2009 March	2009 April	2009 May	2009 June	2009 July	2009 August	2009 September	2009 October	2009 November	2009 December	2009 Total
Inside City													
Residential	12,727	11,281	10,294	10,676	11,684	20,193	27,869	42,095	25,503	20,114	10,409	9,802	212,647
Commercial	7,481	6,525	6,185	6,863	6,227	10,355	11,762	20,397	12,450	15,290	5,642	5,136	114,313
Combined	949	852	768	830	785	1,174	1,349	1,662	999	1,114	738	775	11,995
Total Inside City	21,157	18,658	17,247	18,369	18,696	31,722	40,980	64,154	38,952	36,518	16,789	15,713	338,955
Steamboat II													
Residential	3,367	3,948	4,163	2,912	3,498	3,533	4,537	2,977	4,594	4,650	4,023	1,604	43,806
Commercial													0
Combined													0
Total Steamboat II	3,367	3,948	4,163	2,912	3,498	3,533	4,537	2,977	4,594	4,650	4,023	1,604	43,806
Total	24,524	22,606	21,410	21,281	22,194	35,255	45,517	67,131	43,546	41,168	20,812	17,317	382,761

	2008 January	2008 February	2008 March	2008 April	2008 May	2008 June	2008 July	2008 August	2008 September	2008 October	2008 November	2008 December	2008 Total
Inside City													
Residential	12,209	10,937	11,618	11,602	10,339	17,473	37,946	43,181	32,726	19,112	11,308	11,679	230,130
Commercial	6,131	6,593	6,247	6,639	5,943	9,687	16,232	20,134	17,648	11,819	7,121	5,921	120,115
Combined	1,007	967	987	981	881	1,230	1,755	2,140	1,509	1,055	1,126	744	14,382
Total Inside City	19,347	18,497	18,852	19,222	17,163	28,390	55,933	65,455	51,883	31,986	19,555	18,344	364,627
Steamboat II													
Residential	2,659	2,950	3,126	3,332	3,035	2,935	3,784	4,437	5,593	4,650	4,500	3,279	44,280
Commercial													0
Combined													0
Total Steamboat II	2,659	2,950	3,126	3,332	3,035	2,935	3,784	4,437	5,593	4,650	4,500	3,279	44,280
Total	22,006	21,447	21,978	22,554	20,198	31,325	59,717	69,892	57,476	36,636	24,055	21,623	408,907

	Average January	Average February	Average March	Average April	Average May	Average June	Average July	Average August	Average September	Average October	Average November	Average December	Total
Inside City													
Residential	12,468	11,109	10,956	11,139	11,012	18,833	32,908	42,638	29,115	19,613	10,859	10,741	221,389
Commercial	6,806	6,559	6,216	6,751	6,085	10,021	13,997	20,266	15,049	13,555	6,382	5,529	117,214
Combined	978	910	878	906	833	1,202	1,552	1,901	1,254	1,085	932	760	13,189
Total Inside City	20,252	18,578	18,050	18,796	17,930	30,056	48,457	64,805	45,418	34,252	18,172	17,029	351,791
Steamboat II													
Residential	3,013	3,449	3,645	3,122	3,267	3,234	4,161	3,707	5,094	4,650	4,261	2,441	44,043
Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0
Combined	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Steamboat II	3,013	3,449	3,645	3,122	3,267	3,234	4,161	3,707	5,094	4,650	4,261	2,441	44,043
Total	23,265	22,027	21,694	21,917	21,196	33,290	52,617	68,511	50,511	38,902	22,433	19,470	395,834

2.08

Inside City	Annual Use	Class Average Day	System			Peak Month / Average Month	Peak Day Use	Adjustment to Achieve System Peak Day Demand		Adjusted Peak Day Use	Adjustment to Recognize Diversity of Demands	Adjusted Class Peak Day Factors	Adjusted Peak Day Use	Peak Hour Factor	Adjusted Peak Hour Use
			Average Month Demand	Max Month (Non- Coincidental)	Average Month Use			System Peak Day Demand	Adjusted Peak Day Use						
Residential	221,389	607	32,986	42,638	18,449	2.31	1,402	1.13	1,588	1.00	2.62	1,588	4.19	2,540	
Commercial	117,214	321	32,986	20,266	9,768	2.07	666	1.13	755	1.00	2.35	755	3.76	1,207	
Combined	13,189	36	32,986	1,901	1,099	1.73	62	1.13	71	1.00	1.96	71	3.13	113	
Total Inside City	351,791	964		64,805	29,316	2.21	2,131	1.13	2,413	1.00	2.50	2,413	4.01	3,861	
Steamboat II															
Residential	44,043	121	32,986	5,094	3,670	1.39	167	1.13	190	1.00	1.57	190	2.51	303	
Commercial	0	0	32,986	0	0	0.00	0	1.13	0	1.00	0.00	0	0.00	0	
Combined	0	0	32,986	0	0	0.00	0	1.13	0	1.00	0.00	0	0.00	0	
Total Steamboat II	44,043	121		5,094	3,670	1.39	167	1.13	190	1.00	1.57	190	2.51	303	
Total	395,834	1,084		69,898	32,986	2.12	2,298		2,603		2.40	2,603	3.84	4,164	

System Wide Peak-Day Factor 2.40
System Wide Peak Hour Factor 3.84
System Wide Average Day Demand (kgal) 32,986
System Wide Peak Day Demands (kgal) 79,167
System Wide Peak Hour Demands (kgal) 126,667

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CUSTOMER CLASS FIRE PROTECTION REQUIREMENTS

FILE: Stmboat_W
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_FIRERQMT

Input Fire Protection Data

1. Fire protection requirements are used to develop system fire protection requirements as well as customer class fire protection requirements. Customer class fire protection is presented in the following section.

2. Based on Insurance Services Office (ISO) guidelines, enter recommended maximum fire flow and flow duration for the utility into the HIGHLIGHTED cells below.

Maximum Fire Flow..... 3,500 gpm
 Fire Duration..... 3 hours

3. The input table below documents fire flow requirements and fire duration for each customer class.

a. In Columns 1 and 2, enter the maximum needed fire flow and fire duration for each customer class.

a. In Columns 1 and 2, enter the maximum needed fire flow and fire duration for each customer class.

b. In Columns 3 and 4, assign a one (1) for the customer classes that share expenses for direct and indirect fire protection, respectively. Correspondingly, enter a zero (0) for those that do not participate in direct and/or indirect fire protection.

Note: Direct fire protection costs primarily include capital and maintenance expenses related to fire hydrants. Indirect fire protection costs primarily include extra capacity costs related to providing needed fire flows.

<u>Customer Class</u>	(1) <u>Maximum Needed Fire Flow</u> gpm (1)	(2) <u>Duration</u> hrs. (1)	(3) <u>Direct Fire Participation</u> 1=Yes/0=No	(4) <u>Indirect Fire Participation</u> 1=Yes/0=No
Inside City				
Residential	1,500	2	0	1
Commercial	3,500	3	0	1
Combined	3,500	3	0	1
Steamboat II				
Residential	1,500	2	0	0
Commercial	3,500	3	0	0
Combined	3,500	3	0	0

(1) Source - City of Steamboat Springs Water and Wastewater Master Plan Updates, December 8, 2009 page IV-3.

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 DEVELOPMENT OF FIRE PROTECTION COST ALLOCATION FACTORS

FILE: Stmboat_W
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_FIREUNIT

Line No.	Customer Class	(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	(9)
		Average Active Taps	Maximum Needed Fire Flow gpm	Duration hrs	Participation		Weighted Fire Protection Units of Service (1 x 2 x 3 x (4 or 5)) * 60		Fire Protection Allocation		
					Direct Fire 1=Yes/0=No	Indirect Fire 1=Yes/0=No	Direct	Indirect	Direct	Indirect	
Inside City											
1	Residential	2,488	1,500	2	0	1	0	7,464,000	0.0%	64.2%	
2	Commercial	347	3,500	3	0	1	0	3,641,750	0.0%	31.3%	
3	Combined	49	3,500	3	0	1	0	518,000	0.0%	4.5%	
4	Total Inside City	2,884					0	11,623,750	0.0%	100.0%	
Steamboat II											
5	Residential	1	1,500	2	0	0	0	0	0.0%	0.0%	
6	Commercial	0	3,500	3	0	0	0	0	0.0%	0.0%	
7	Combined	0	3,500	3	0	0	0	0	0.0%	0.0%	
8	Total Steamboat II	1					0	0	0.0%	0.0%	
9	Total System	2,885					-	11,623,750			

City of Steamboat Springs, Colorado
2010 Water and Wastewater Rate and Fee Study

**Appendix C - Water Rates 2011, 2012
and 2013**



STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PHASED IN RATES
ALTERNATIVE 1 - NO MINIMUM

FILE: Stmboat_W
SCHEDULE: MULTI_YR
DATE: 09/01/10
RANGE: MULTI1

	Existing	Alternative 1		
	2010	2011	2012	2013
Monthly Service Charge - City				
Residential	\$15.00	\$17.12	\$19.43	\$21.96
Commercial	19.50	20.50	21.59	22.78
Combined	19.50	20.50	21.59	22.78
Residential Volume Rate per 1,000 gallons				
0 - 4,000 gallons	\$1.58	\$1.80	\$2.04	\$2.30
4,001 - 12,000 gallons	2.37	2.70	3.06	3.45
12,001 - 20,000 gallons	3.63	4.14	4.69	5.28
20,001 - 28,000 gallons	4.73	5.39	6.11	6.89
> 28,000 gallons	7.10	8.09	9.17	10.34
Commercial Volume Rate per 1,000 gallons	\$4.17	\$4.17	\$4.17	\$4.17
Combined Volume Rate per 1,000 gallons	\$4.17	\$4.17	\$4.17	\$4.17
Steamboat II Volume Rate per 1,000 gallons	\$1.02	\$1.06	\$1.11	\$1.15

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PHASED IN RATES
ALTERNATIVE 2 - MINIMUM CHARGE

FILE: Stmboat_W
SCHEDULE: MULTI_YR
DATE: 09/01/10
RANGE: MULTI2

	Existing	Alternative 2		
	2010	2011	2012	2013
Monthly Minimum Charge - City (1)				
Residential	\$15.00	\$24.32	\$27.59	\$31.16
Commercial	19.50	20.50	21.59	22.78
Combined	19.50	20.50	21.59	22.78
Residential Volume Rate per 1,000 gallons				
0 - 4,000 gallons (1)	\$1.58	\$0.00	\$0.00	\$0.00
4,001 - 12,000 gallons	2.37	2.37	2.63	2.95
12,001 - 20,000 gallons	3.63	3.63	4.03	4.52
20,001 - 28,000 gallons	4.73	4.73	5.25	5.89
> 28,000 gallons	7.10	7.10	7.88	8.84
Commercial Volume Rate per 1,000 gallons	\$4.17	\$4.17	\$4.17	\$4.17
Combined Volume Rate per 1,000 gallons	\$4.17	\$4.17	\$4.17	\$4.17
Steamboat II Volume Rate per 1,000 gallons	\$1.02	\$1.06	\$1.11	\$1.15

(1) For only Residential accounts, the first 4,000 gallons per unit is included in the Minimum Charge.

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
CUSTOMER BILL IMPACT**

**FILE: Stmboat_W
SCHEDULE: BILLIMP2
DATE: 09/01/10
RANGE: BILLIMP2**

Customer Classification	Monthly Use	Current	2011		2012		2013	
			\$	%	\$	%	\$	%
	kgal							
Alternative 1								
Inside City - Residential	2	\$18.16	\$20.72	14.1%	\$23.51	13.5%	\$26.56	13.0%
	4	21.32	24.32	14.1%	27.59	13.4%	31.16	12.9%
	7	28.43	32.42	14.0%	36.77	13.4%	41.51	12.9%
	15	51.17	58.33	14.0%	66.13	13.4%	74.61	12.8%
	20	69.32	79.00	14.0%	89.56	13.4%	101.03	12.8%
Inside City - Commercial	28	136.26	137.26	0.7%	138.35	0.8%	139.54	0.9%
Alternative 2 (1)								
Inside City - Residential	2	18.16	24.32	33.9%	27.59	13.4%	31.16	12.9%
	4	21.32	24.32	14.1%	27.59	13.4%	31.16	12.9%
	7	28.43	31.43	10.6%	35.48	12.9%	40.01	12.8%
	15	51.17	54.17	5.9%	60.71	12.1%	68.32	12.5%
	20	69.32	72.32	4.3%	80.86	11.8%	90.91	12.4%
Inside City - Commercial	28	136.26	137.26	0.7%	138.35	0.8%	139.54	0.9%

(1) For Residential accounts, a minimum monthly allowance of 4,000 gallons per unit is included in the minimum monthly service charge.

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PROPOSED FY 2009-10 RATES
CHARGES BY CLASS**

**FILE: Stmboat_W
SCHEDULE: RATE - ALT 1
DATE: 09/01/10
RANGE: ALT1_RES**

Residential

Total Class Cost of Service	\$ 1,589,685
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Meter Size	Units	Monthly Service Charge	Annual Revenue	
inches		\$	\$	
All	2,943	21.96	775,427	
Total	2,943		775,427	775,427

Volume Rate Revenue Required	814,258
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Calculated Volume Rate (\$ per kgal)

Block	Block Ending	Volume in Block	Billed Volume	Cumulative Factor	Volume Rate	Rate Revenue
	gals	%	kgals		\$ per kgal	\$
First	4,000	50.5%	108,915	1.000	2.30	250,504
Next	8,000	27.5%	59,234	1.500	3.45	204,356
Next	8,000	9.0%	19,320	2.297	5.28	102,093
Next	8,000	4.3%	9,272	2.994	6.89	63,842
All Over	20,000	8.8%	18,889	4.494	10.34	195,228
Total		100.00%	215,630		3.79	816,023

Total Revenue	1,591,450
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Revenue Surplus (Deficiency)	1,765
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**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PROPOSED FY 2009-10 RATES
CHARGES BY CLASS**

**FILE: Stmboat_W
SCHEDULE: RATE - ALT 1
DATE: 09/01/10
RANGE: ALT1_COM**

Commercial

Total Class Cost of Service

\$

600,116

Meter Size	Units	Monthly Service Charge	Revenue
inches		\$	\$
All	357	22.78	97,638
Total	357		97,638

Volume Rate Revenue Required

502,478

Calculated Volume Rate (\$ per kgal)

Block	Block Ending	Volume in Block	Billed Volume	Cumulative Factor	Volume Rate	Rate Revenue
	gals	%	kgals		\$ per kgal	\$
All		100.0%	115,916	1.000	4.17	483,370
Total		100.00%	115,916		4.17	483,370

Total Revenue

581,008

Revenue Surplus (Deficiency)

(19,108)

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PROPOSED FY 2009-10 RATES
Test Year 2013

FILE: Stmboat_W
SCHEDULE: RATE - ALT 1
DATE: 09/01/10
RANGE: ALT1_COMB

Combined

Total Class Cost of Service	\$ 70,663
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Meter Size	Units	Monthly Service Charge	Revenue	
inches		\$	\$	
All	163	22.78	44,586	
Total	163		44,586	44,586

Volume Rate Revenue Required	26,077
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Calculated Volume Rate (\$ per kgal)

Block	Block Ending gals	Volume in Block %	Billed Volume kgals	Cumulative Factor	Volume Rate \$ per kgal	Rate Revenue \$
All (1)		100.0%	12,163	1.000	4.17	43,764
Total		100.00%	12,163		3.60	43,764

Total Revenue	88,350
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Revenue Surplus (Deficiency)	17,687
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(1) Volume revenue projection assumes 13.3% of use not billed based on the Combined customer rate struc

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PROPOSED FY 2009-10 RATES
CHARGES BY CLASS**

**FILE: Stmboat_W
SCHEDULE: RATE - ALT 1
DATE: 09/01/10
RANGE: ALT1_SII**

Steamboat II

Total Class Cost of Service

\$

91,920

Meter Size	Units	Monthly Service Charge	Revenue
inches		\$	\$
All	0	0.00	0
Total	0		0

Volume Rate Revenue Required

91,920

Calculated Volume Rate (\$ per kgal)

Block	Block Ending	Volume in Block	Billed Volume	Cumulative Factor	Volume Rate	Rate Revenue
	glas	%	kgals		\$ per kgal	\$
All		100.0%	43,806	1.000	1.15	50,409
Total		100.00%	43,806		1.15	50,409

Total Outside District Revenue

50,409

Revenue Surplus (Deficiency)

(41,511)

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROPOSED FY 2009-10 RATES
 CHARGES BY CLASS

FILE: Stmboat_W
 SCHEDULE: RATES_ALT1
 DATE: 09/01/10
 RANGE: ALT1_SUM

		(1)	(2)	(3)	(4)	(5)	(6)
Line No.	Customer Class	Cost of Service	Service Charge	Volume Charge	Total	Difference \$	Difference %
City							
1	Residential	1,560,493	775,427	816,023	1,591,450	30,957	2%
2	Commercial	589,095	97,638	483,370	581,008	(8,088)	-1%
3	Combined	69,365	44,586	43,764	88,350	18,985	27%
5	Total	2,218,953	917,651	1,343,157	2,260,808	41,855	2%
Wholesale Customers							
6	Steamboat II	91,920	0	50,409	50,409	(41,511)	-45%
7	Total	91,920	0	50,409	50,409	(41,511)	-45%
8	Total System	2,310,873	917,651	1,393,566	2,311,217	344	0%

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PROPOSED FY 2009-10 RATES
CHARGES BY CLASS**

**FILE: Stmboat_W
SCHEDULE: RATE - ALT 1
DATE: 09/01/10
RANGE: ALT2_RES**

Residential

Total Class Cost of Service

**\$
1,589,685**

Meter Size	Units	Monthly Service Charge	Annual Revenue	
inches		\$	\$	
All	2,943	31.16	1,100,287	
Total	2,943		1,100,287	1,100,287

Volume Rate Revenue Required

489,398

Calculated Volume Rate (\$ per kgal)

Block	Block Ending	Volume in Block	Billed Volume	Cumulative Factor	Volume Rate	Rate Revenue
	gals	%	kgals		\$ per kgal	\$
First	4,000	50.5%	108,915	1.000	0.00	0
Next	8,000	27.5%	59,234	1.500	2.95	174,739
Next	8,000	9.0%	19,320	2.297	4.52	87,297
Next	8,000	4.3%	9,272	2.994	5.89	54,590
All Over	20,000	8.8%	18,889	4.494	8.84	166,934
Total		100.00%	215,630		2.25	483,560

Total Revenue

1,583,847

Revenue Surplus (Deficiency)

(5,838)

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PROPOSED FY 2009-10 RATES
CHARGES BY CLASS**

**FILE: Stmboat_W
SCHEDULE: RATE - ALT 1
DATE: 09/01/10
RANGE: ALT2_COM**

Commercial

<hr/>	\$
Total Class Cost of Service	600,116

Meter Size	Units	Monthly Service Charge	Revenue	
inches		\$	\$	
All	357	22.82	97,816	
Total	357		97,816	97,816

<hr/>	502,300
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Calculated Volume Rate (\$ per kgal)

Block	Block Ending	Volume in Block	Billed Volume	Cumulative Factor	Volume Rate	Rate Revenue
	gals	%	kgals		\$ per kgal	\$
All		100.0%	115,916	1.000	4.17	483,370
Total		100.00%	115,916		4.17	483,370

<hr/>	581,185
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Revenue Surplus (Deficiency)	(18,930)
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STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PROPOSED FY 2009-10 RATES
Test Year 2013

FILE: Stmboat_W
SCHEDULE: RATE - ALT 1
DATE: 09/01/10
RANGE: ALT2_COMB

Combined

<u>Total Class Cost of Service</u>	<u>\$ 70,663</u>
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Meter Size	Units	Monthly Service Charge	Revenue	
inches		\$	\$	
All	163	22.82	44,667	
Total	<u><u>163</u></u>		<u><u>44,667</u></u>	<u>44,667</u>

Volume Rate Revenue Required	<u>25,995</u>
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Calculated Volume Rate (\$ per kgal)

Block	Block Ending	Volume in Block	Billed Volume	Cumulative Factor	Volume Rate	Rate Revenue
	gals	%	kgals		\$ per kgal	\$
All (1)		100.0%	12,163	1.000	4.17	50,720
Total		<u><u>100.00%</u></u>	<u><u>12,163</u></u>		4.17	<u><u>50,720</u></u>

Total Revenue	95,387
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Revenue Surplus (Deficiency)	24,724
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**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PROPOSED FY 2009-10 RATES
CHARGES BY CLASS**

**FILE: Stmboat_W
SCHEDULE: RATE - ALT 1
DATE: 09/01/10
RANGE: ALT2_SII**

Steamboat II

<hr/>	\$
Total Class Cost of Service	91,920

Meter Size	Units	Monthly Service Charge	Revenue
inches		\$	\$
All	0	0.00	0
Total	<u><u>0</u></u>		<u><u>0</u></u>

Volume Rate Revenue Required	91,920
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Calculated Volume Rate (\$ per kgal)

Block	Block Ending glas	Volume in Block %	Billed Volume kgals	Cumulative Factor	Volume Rate \$ per kgal	Rate Revenue \$
All		100.0%	43,806	1.000	1.15	50,409
Total		<u><u>100.00%</u></u>	<u><u>43,806</u></u>		1.15	<u><u>50,409</u></u>

Total Outside District Revenue	50,409
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Revenue Surplus (Deficiency)	(41,511)
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STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROPOSED FY 2009-10 RATES
 CHARGES BY CLASS

FILE: Stmboat_W
 SCHEDULE: RATES_ALT1
 DATE: 09/01/10
 RANGE: ALT2_SUM

		(1)	(2)	(3)	(4)	(5)	(6)
Line No.	Customer Class	Cost of Service	Service Charge	Volume Charge	Total	Difference \$	Difference %
City							
1	Residential	1,560,493	1,100,287	483,560	1,583,847	23,354	1%
2	Commercial	589,095	97,816	483,370	581,185	(7,910)	-1%
3	Combined	69,365	44,667	50,720	95,387	26,022	38%
5	Total	2,218,953	1,242,770	1,017,649	2,260,420	41,467	2%
Wholesale Customers							
6	Steamboat II	91,920	0	50,409	50,409	(41,511)	-45%
7	Total	91,920	0	50,409	50,409	(41,511)	-45%
8	Total System	2,310,873	1,242,770	1,068,058	2,310,829	(44)	0%

Appendix D - Water Tap Fee



**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
WATER RIGHTS PIF**

FILE: PIF.xls
SCHEDULE: TF Calc
DATE: 09/01/10
RANGE: WR_PIF

Fish Creek Reservoir Enlargement Investments - Original Cost (1)	\$7,496,284
ENR-CCI Index 1996 Ratio to 2010 ENR Index	1.46
Fish Creek Reservoir Enlargement Investments - Replacement cost.	\$10,967,683

Total Acre-Feet of Expansion (2)	2,280
Unusable Acre-Feet (2)	1,230
Net Acre-Feet (2)	1,050
Acre-Feet per EQR (3)	0.5
EQRs Served by Net Acre-Feet	2,100
Value per EQR	\$5,223

Tap Fee		Per Fixture	
		Unit (4)	Per EQR
Tap Fee per EQR based on no. of fixture units (4):	140.00	\$37.31	\$5,223

(1) Costs related to Fish Creek Reservoir enlargement pool including engineering, legal and finance costs of expansion indexed in 1996 dollars.

(2) Expansion yielded 2,280 total acre feet. 1,030 acre-feet is dedicated to a fisheries conservation pool and 200 acre-feet minimum in-stream flow yielding a net active storage of 1,050 acre-feet.

(3) Per City staff, 0.5 acre feet per EQR.

(4) Assumes an EQR value based on 140 fixture units as recommended in the April 12, 2000 Wright Water Engineers memorandum to Jim Weber, PW Director, City of Steamboat Springs.

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
WATER TAP FEE CALCULATION**

FILE: PIF.xls
SCHEDULE: TF Calc
DATE: 09/01/10
RANGE: W_PIF3

Hybrid Calculation

Total System replacement cost		\$35,952,126
Growth-Related CIP 2010 - 2029		26,771,635
Plus: NPV of borrowing cost		<u>2,246,974</u>
Total cost for PIF calculation		\$64,970,735

Total City-owned peak day capacity (MGD) (1)	5.30	
Incremental City-owned peak day capacity (MGD) (1)	<u>5.60</u>	
Total City-owned peak day capacity (MGD)	10.90	
Estimated EQR peak day water use (gpd) (2)	<u>600</u>	
System EQR capacity	18,167	<u>18,167</u>
Value per EQR		\$3,576

Tap Fee		Per Fixture	
		Unit (3)	Per EQR
Tap Fee per EQR based on no. of fixture units (3):	140.00	\$25.55	\$3,576
Current Tap Fee		<u>26.00</u>	<u>3,640</u>
Difference - \$		(\$0.45)	(\$64)
- %		-2%	-2%

- (1) December 8, 2009 Draft Master Plan, City own's 60% of 7.5 mgd Fish Creek Filtration Plant and 0.8 mgd of T Yampa River Infiltration System. Yampa River Gallery Expansion of 0.85 mgd and 2.25 mgd (City portion) Fish Creek Filtration Plant Expansion for three filtration bays. Also includes 2.5 mgd for the new Elk River WTP.
- (2) December 8, 2009 Draft Master Plan, System Design Value is 600 gallons per day per Page II-7.
- (3) Assumes an EQR value based on 140 fixture units as recommended in the April 12, 2000 Wright Water Engineers, Inc., memorandum to Jim Weber, PW Director, City of Steamboat Springs.

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
FIXED ASSETS - WATER FUND
AS OF DECEMBER 31, 2009**

**FILE: PIF.xls
SCHEDULE: Water
DATE: 09/01/10
RANGE: WATER**

ASSET NUMBER	ASSET DESCRIPTION	YEAR PLACED IN SERVICE	ORIGINAL COST	ENR-CCI INDEX DENVER	REPLACEMENT COST (1)	FUNCTION
11-14020	LAND & IMPROVEMENTS					
10-00-0001	WILLETT HEIGHTS RESERVOIR SITE	1962	\$2,885		\$2,885	6
	WELL FIELD DEVELOPMENT	1990	140,621		140,621	2
	WELL FIELD DEVELOPMENT	1990	5,000		5,000	2
1104-75015	LONG LAKE REHABILITATION	1997	1,018		1,018	6
1106-75015	LONG LAKE REHABILITATION	1998	20,672		20,672	6
1106-75015	LONG LAKE REHABILITATION	1999	227,014		227,014	6
1106-75015	LONG LAKE OUTLET-PROF. SVC.	2000	2,198		2,198	6
1106-75015	Long Lake Rehabilitation	2001	19,776		19,776	6
1106-75021	Fish Creek Reservoir Expansion payment	2001	175,000		175,000	6
1106-75025	Fish Creek Reservoir Easement	2001	94,515		94,515	6
1206-75021	Fish Creek Reservoir Expansion payment	2002	175,000		175,000	6
1206-75021	Fish Creek Reservoir Expan paymt (interest)	2003	6,789		6,789	6
1215-75021	Fish Creek Reservoir Expansion payment	2004	350,000		350,000	6
1215-75021	Fish Creek Reservoir Expansion payment	2005	175,000		175,000	6
1215-75021	Fish Creek Reservoir Expansion payment	2006	175,000		175,000	6
1215-75021	Fish Creek Reservoir Expansion payment	2007	175,000		175,000	6
1215-75021	Fish Creek Reservoir Expansion payment	2008	175,000		175,000	6
1215-75021	Fish Creek Reservoir Expansion payment	2009	175,000		175,000	6
	TOTAL LAND & IMPROVEMENTS		<u>\$2,095,488</u>		<u>\$2,095,488</u>	
11-14030	BUILDINGS					
30-00-0001	WATER PLANT AND RESERVOIR	1973	\$286,800	1556	\$1,168,763	3
30-00-0002	GOULD DP UNIT	1980	700	2947	1,506	5
30-00-0003	AUXILLARY PUMP	1980	5,692	2947	12,248	4
30-00-0004	WATER PLANT DESIGN	1982	203,050	3446	373,633	3
XXXXXX	84 WATER PLANT CONSTRUCTION	1984	3,282,983	3106	6,702,317	3
XXXXXX	WILLET HGTS MG WATER TANK	1984	55,778	3106	113,873	1
XXXXXX	WILLETT HGTS MG WATER TANK	1985	586,609	3316	1,121,739	1
XXXXXX	85 PLANT CONSTRUCTION	1985	92,548	3316	176,975	3
XXXXXX	86 PLANT CONSTRUCTION	1986	20,620	3503	37,325	3
XXXXXX	87 PLANT CONSTRUCTION	1987	8,568	3507	15,491	3

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
FIXED ASSETS - WATER FUND
AS OF DECEMBER 31, 2009**

**FILE: PIF.xls
SCHEDULE: Water
DATE: 09/01/10
RANGE: WATER**

ASSET NUMBER	ASSET DESCRIPTION	YEAR PLACED IN SERVICE	ORIGINAL COST	ENR-CCI INDEX DENVER	REPLACEMENT COST (1)	FUNCTION
XXXXXX	LONG LAKE DAM	1988	10,998	3538	19,711	2
XXXXXX	88 CONSTRUCTION	1988	24,817	3538	44,478	3
XXXXXX	1 MG WATER TANK	1991	29,054	3715	49,591	1
	1 MG WATER TANK (FRM CIP)	1990	13,478	3668	23,300	1
1104-75014	1997 YAMPA WELLS FILTRATION	1997	41,068	4329	60,155	3
1106-75014	1998 YAMPA WELLS FILTRATION	1998	8,932	4470	12,671	3
1106-75013	SKYLINE TANK	1998	1,251	4470	1,774	1
1106-74012	2001 FISH CREEK WATER FILTRATION PLNT	2001	573,576	4663	779,966	3
1206-74012	2002 FISH CREEK WATER FILTRATION PLNT	2002	1,270	4744	1,697	3
1206-75014	2002 YAMPA WELLS FILTRATION	2002	326,214	4744	436,002	3
Const in Prog	WEST STMBT WATER TANK (50 W/ STMBT II)	2002	135,126	4744	180,603	1
1206-75017	WEST STMBT WATER TANK (50 W/ STMBT II)	2003	18,027	5015	22,791	1
1215-75019	LIQUID CHLORINE CONVERSION	2004	86,214	5450	100,303	3
1106-75018	SCADA SYSTEM UPGRADE	2001	144,589	4663	196,616	5
1206-75018	SCADA SYSTEM UPGRADE	2002	3,694	4744	4,937	5
1106-75013	SKYLINE TANK	2001	31,699	4663	43,105	1
1215-75013	SKYLINE TANK	2003	652,729	5015	825,244	1
1215-74007	FILTRATION PLANT IMPROVEMENTS	2007	718,528	5747	792,800	3
1215-74007	SECURITY SYSTEM AT FILTRATION PLANT	2008	95,098	5936	101,586	3
1215-75030	WILLET HEIGHTS INTERCONNECTION METER	2008	193,200	5936	206,382	4
1215-75032	SKYLINE TANK INTERCONNECTION METER	2009	170,528	6343	170,474	4
1215-75033	FISH CK RESERVOIR & LONG LAKE SCADA	2009	77,154	6343	77,130	5
	TOTAL BUILDINGS		<u>\$7,900,592</u>		<u>\$13,875,186</u>	
11-14032	<u>TRANSMISSION LINES</u>					
50-00-0001		1962	\$262,166	701	\$2,371,459	4
50-00-0002		1979	4,322	2739	10,006	4
50-00-0003		1971	46,839	1352	219,679	4
50-00-0004		1972	22,362	1475	96,133	4
50-00-0005		1974	59,414	1670	225,595	4
50-00-0006		1975	693,827	1886	2,332,745	4
50-00-0007		1976	8,097	2124	24,173	4

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
FIXED ASSETS - WATER FUND
AS OF DECEMBER 31, 2009**

**FILE: PIF.xls
SCHEDULE: Water
DATE: 09/01/10
RANGE: WATER**

ASSET NUMBER	ASSET DESCRIPTION	YEAR PLACED IN SERVICE	ORIGINAL COST	ENR-CCI INDEX DENVER	REPLACEMENT COST (1)	FUNCTION
50-00-0008		1977	114,659	2353	308,989	4
50-00-0009		1979	443,127	2739	1,025,874	4
50-00-0010		1979	9,593	2739	22,209	4
50-00-0011		1979	37,835	2739	87,590	4
50-00-0012	DEERFOOT	1980	24,723	2947	53,196	4
50-00-0013	FISH CREEK FLOWLINE	1980	453	2947	974	4
50-00-0014	FAIRVIEW WATER LINE	1980	23,348	2947	50,238	4
50-00-0015	DREAM ISLAND WATER LINE	1981	67,053	3201	132,828	4
50-00-0016	LINCOLN PARK WATER LINE	1981	57,773	3201	114,445	4
50-00-0017	ROUTT MEMORIAL HOSP-PARK AVE	1982	4,783	3446	8,801	4
50-00-0018	BOULEVARD WATER LINE	1982	10,151	3446	18,678	4
50-00-0019	LINCOLN PARK-DREAM ISLAND	1982	5,973	3446	10,991	4
50-00-0020	TRANSIT FACILITY WATER MAIN	1982	97,675	3446	179,731	4
50-00-0021	PARK AVE WATER MAIN	1983	147,913	3690	254,178	4
XXXXXXX	84 WATERLINE IMPROVEMENTS	1984	116,048	3106	236,917	4
XXXXXXX	85 WATERLINE IMPROVEMENTS	1985	82,855	3316	158,439	4
XXXXXXX	86 WATERLINE IMPROVEMENTS	1986	173,121	3503	313,377	4
XXXXXXX	87 WATERLINE IMPROVEMENTS	1987	137,301	3507	248,254	4
XXXXXXX	88 WATERLINE IMPROVEMENTS	1988	266,044	3538	476,820	4
XXXXXXX	89 WATERLINE IMPROVEMENTS	1989	256,448	3642	446,495	4
XXXXXXX	90 WATERLINE IMPROVEMENTS	1990	222,395	3668	384,462	4
XXXXXXX	WATER METERS (WERE CIP)	1990	205,146	3668	354,642	4
XXXXXXX	90 ADDITIONS-WATER METERS	1990	55,981	3668	96,777	4
XXXXXXX	91 ADDITIONS-WATER METERS	1991	3,572	3715	6,097	4
XXXXXXX	91 FAIRVIEW (COMPLETED OCT. 1990)	1991	564,495	3715	963,517	4
XXXXXXX	91 RIVERSIDE RESIDENTIAL (COMPLETED JUNE	1991	69,205	3715	118,123	4
XXXXXXX	91 RIVERSIDE COMMERCIAL (COMPLETED OCT.	1991	193,674	3715	330,575	4
XXXXXXX	91 WEST STEAMBOAT ADDITION	1991	138,529	3715	236,450	4
XXXXXXX	WELLFIELD CONSTRUCTION	1990	24,669	3668	42,646	4
XXXXXXX	WELLFIELD CONSTRUCTION	1991	617,516	3715	1,054,015	4
XXXXXXX	WELLFIELD CONSTRUCTION	1992	459,978	3834	760,752	4
XXXXXXX	7TH STREET WATERLINE REPLACE	1993	136,211	4012	215,283	4
XXXXXXX	93 WEST STEAMBOAT IMPROVEMTS	1993	73,260	4012	115,788	4

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
FIXED ASSETS - WATER FUND
AS OF DECEMBER 31, 2009**

**FILE: PIF.xls
SCHEDULE: Water
DATE: 09/01/10
RANGE: WATER**

ASSET NUMBER	ASSET DESCRIPTION	YEAR PLACED IN SERVICE	ORIGINAL COST	ENR-CCI INDEX DENVER	REPLACEMENT COST (1)	FUNCTION
XXXXXXX	93 STEAMBOAT II WATER LINE	1993	110,220	4012	174,203	4
XXXXXXX	94 STEAMBOAT II WATER LINE	1994	14,825	4009	23,448	4
XXXXXXX	RIVER ROAD WATER LINE	1994	83,258	4009	131,688	4
XXXXXXX	RIVER ROAD WATER LINE	1995	98,942	4088	153,471	4
XXXXXXX	TWENTY MILE WATER LINE(1994 from CIP)	1995	66,533	4088	103,200	4
XXXXXXX	TWENTY MILE WATER LINE	1995	72,565	4088	112,557	4
XXXXXXX	BOGGS WATERLINE	1995	2,882	4088	4,470	4
XXXXXXX	SEVENTH STREET OVERLAY	1995	8,884	4088	13,780	4
XXXXXXX	HILLTOP WATER MAIN EXT.	1995	46,319	4088	71,847	4
	1996 WATER MAIN IMPROVEMENTS	1996	112,399	4334	164,449	4
1104-75011	1997 WATER MAIN EXTENSIONS	1997	52,701	4329	77,195	4
1104-75011	MISSOURI WATER MAIN	1997	121,633	4329	178,164	4
1106-75011	1998 WATER MAIN IMPROVEMENTS	1998	206,468	4470	292,889	4
1106-75011	1999 WATER MAIN IMPROVEMENTS	1999	206,473	4498	291,073	4
1106-75011	2000 WATER MAIN REPLACEMENT PROJECT	2000	110,535	4767	147,032	4
1106-75011	2001 WATER MAIN IMPROVEMENTS	2001	106,897	4663	145,362	4
1206-75011	2002 WATER MAIN IMPROVEMENTS	2002	151,665	4744	202,708	4
1215-75011	2006 WATER MAIN IMPROVEMENTS	2006	364,243	5714	404,190	4
1215-75011	WEST STMBT WATER MAIN REPLACEMENT	2008	1,520,185	5936	1,623,903	4
1215-75011	INSERTION VALVE PROJECT	2008	265,951	5936	284,096	4
1215-75011	AIRPORT MEADOWS WATER MAIN	2008	176,738	5936	188,796	4
DC	EMERALD VILLAGE WATER MAIN	2008	86,800	5936	92,722	4
DC	BETTERVIEW BUSINESS PARK WATER MAIN	2008	319,500	5936	341,299	4
1215-75011	RIVERWALK WATER MAIN	2008	109,786	5936	117,276	4
1215-75011	YAHMONITE BRIDGE WATER LINE	2009	208,579	6343	208,513	4
DC	ANGLERS RETREAT SUBDIVISION WATER LINE	2009	119,759	6343	119,722	4
DC	COPPER RIDGE BUSINESS PARK WATER LINE	2009	272,290	6343	272,204	4
DC	SBL WAREHOUSE WATER LINE	2009	29,200	6343	29,191	4
DC	FOX CREEK VILLAGE WATER LINE	2009	25,000	6343	24,992	4
DC	HAMPTON INN WATER LINE	2009	20,000	6343	19,994	4
DC	WESCOIN MEADOWS WATER LINE	2009	11,300	6343	11,296	4
DC	WEST END TOWNHOMES WATER LINE	2009	42,876	6343	42,862	4

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
FIXED ASSETS - WATER FUND
AS OF DECEMBER 31, 2009

FILE: PIF.xls
SCHEDULE: Water
DATE: 09/01/10
RANGE: WATER

ASSET NUMBER	ASSET DESCRIPTION	YEAR PLACED IN SERVICE	ORIGINAL COST	ENR-CCI INDEX DENVER	REPLACEMENT COST (1)	FUNCTION
TOTAL TRANSMISSION LINES			<u>\$11,083,935</u>		<u>\$20,176,533</u>	
<u>FURNITURE AND EQUIPMENT</u>						
1104-00302	MUELLER D-5 DRILLING MACHINE	1979	6,111	2739	14,147	5
1104-01822	SHORING SHIELD, SPEED SHORE	1992	5,825	3834	9,634	5
1104-01826	CLEANOUT, VALVE BOX TLV80	1992	9,349	3834	15,462	5
1104-03445	SULLAIR COMPRESSOR 185 DPS (70%)	2004	8,318	5450	9,677	5
1104-03945	FOLDER/INSERTER MACHINE, SPLIT W/ SEWER	2008	2,648	5936	2,829	5
1104-03986	HAND HELD METER READER, SPLIT W/ SEWER	2009	3,619	6343	3,618	5
1104-03729	UTILITY VACUMN W/ TRAILER, RING-O-MATIC	2007	24,777	5747	27,338	5
TOTAL FURNITURE AND EQUIPMENT			<u>\$60,646</u>		<u>\$82,705</u>	
<u>CONSTRUCTION IN PROGRESS</u>						
1215-75020	Street Shop Expansion for Water/Sewer	2009	\$657,264	6343	\$657,056	5
1215-75011	Victory Hwy Water Main Extension	2009	7,650	6343	7,648	4
1215-75011	Copper Mtn Estates Water Main Replacemt	2009	11,796	6343	11,792	4
TOTAL CONSTRUCTION IN PROGRESS			<u>\$676,710</u>		<u>\$676,496</u>	
TOTAL			\$21,817,371		\$36,906,408	
DEVELOPER CONTRIBUTIONS			926,725		954,282	
WATER RIGHTS / RAW WATER RESERVOIR			1,949,867		1,949,867	
TOTAL EXCLUDING DEV. CONTRIB.			<u>\$20,890,646</u>		<u>\$35,952,126</u>	

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 WATER CIP - 2010 THROUGH 2029 - 2010 \$'s

FILE: PIF.xls
 SCHEDULE: TF Calc
 DATE: 09/01/10
 RANGE: W_CIP

Line No.	DESCRIPTION	FUNCTION	Projected										Growth	2010-2019	2020-2029	2010-2029	2010-2029	
			2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Percent Allocation	Total	Total	Total	Growth Total	
Total CIP																		
1	Airport Water Redundancy	4	\$300,000	\$443,000	\$1,050,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	23%	\$1,793,000		\$1,793,000	\$412,390	
2	Water Distribution System Expansion (Fairview area)	4	11,750	735,000	735,000	0	0	0	0	0	0	0	50%	1,481,750		1,481,750	740,875	
3	Fish Creek Reservoir Capacity Options	3	175,000	175,000	0	0	0	0	0	0	0	0	0%	350,000		350,000	0	
4	Water Main Replacement	4	803,574	713,592	1,091,173	1,483,147	1,511,938	1,541,296	1,571,224	1,601,733	1,632,835	1,664,541	0%	13,615,055		13,615,055	0	
5	Land Acquisition Costs	2	142,000	142,500	142,500	0	0	0	0	0	0	0	23%	427,000		427,000	98,210	
6	1.0 MG West City Tank Including 16-inch main	1	225,000	2,025,000	0	0	0	0	0	0	0	0	23%	2,250,000		2,250,000	517,500	
7	Yampa River Infiltration Gallary Expansion	3	180,000	2,013,000	0	0	0	0	0	0	0	0	50%	2,193,000		2,193,000	1,096,500	
8	Street Shop Expansion	5	157,999	0	0	0	0	0	0	0	0	0	0%	157,999		157,999	0	
9	Meter Reading Conversion	5	0	164,000	114,000	114,000	0	0	0	0	0	0	0%	392,000		392,000	0	
10	Water Rights Firming	2	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	50%	900,000		900,000	450,000	
11	Rate Study	5	55,000	0	0	0	0	0	30,000	0	0	0	0%	85,000		85,000	0	
12	Booster Pump Station & PRV - W of Overlook	4	0	0	0	0	0	0	400,000	0	0	0	23%	400,000		400,000	92,000	
13	12-inch Main - 12th Street to Indian Trails	4	0	0	0	0	930,000	0	0	0	0	0	0%	930,000		930,000	0	
14	Fish Creek Water Filtration Plant Expansion	3	0	0	0	0	0	82,800	1,689,250	1,148,690	0	89,630	100%	3,010,370		3,010,370	3,010,370	
15	Skyline Tank Zone Redundancy	1	0	0	0	400,000	0	0	0	0	0	0	62%	400,000		400,000	248,000	
16	Water Distribution System Expansion (West Lincoln area)	4	0	0	0	0	0	0	77,000	777,000	0	0	100%	854,000		854,000	854,000	
17	Treated Water Booster Pump Station at Elk River WTP	3	0	0	0	0	0	0	0	0	0	0	100%	0	250,000	250,000	250,000	
18	Treated Water Transmission main from Elk River WTP	3	0	0	0	0	0	0	0	0	0	0	100%	0	2,000,000	2,000,000	2,000,000	
19	Elk-River West Area Clearwell	3	0	0	0	0	0	0	0	0	0	0	100%	0	3,300,000	3,300,000	3,300,000	
20	Elk River augmentation reservoir	2	0	0	0	0	0	0	0	0	0	0	100%	0	7,500,000	7,500,000	7,500,000	
21	Elk River surface diversion / intake	2	0	0	0	0	0	0	0	0	0	0	100%	0	350,000	350,000	350,000	
22	Raw Water Pump station at intake	2	0	0	0	0	0	0	0	0	0	0	100%	0	350,000	350,000	350,000	
23	Raw water transmission main from diversion to Elk River WTP	4	0	0	0	0	0	0	0	0	0	0	100%	0	2,125,000	2,125,000	2,125,000	
24	2.5 MGD Elk River WTP and 1.5 MG clearwell	3	0	0	0	0	0	0	0	0	0	0	100%	0	4,750,000	4,750,000	4,750,000	
25	16-inch transmission main from diversion to Elk River WTP	4	0	0	0	0	0	0	0	0	0	0	100%	0	1,575,000	1,575,000	1,575,000	
26	Land & Easement acquisitions	3	0	0	0	0	0	0	0	0	0	0	100%	0	5,800,000	5,800,000	5,800,000	
Total CIP			\$2,050,323	\$6,511,092	\$3,232,673	\$2,097,147	\$2,541,938	\$2,154,096	\$3,437,474	\$3,627,423	\$1,732,835	\$1,854,171		\$29,239,174	\$28,000,000	\$57,239,174	35,519,845	

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
Water System – NPV of Borrowing Cost

FILE: PIF.xls
SCHEDULE: WATER NPV
DATE: 9/1/2010
RANGE: W_NPV

Water Bond Issues

	Principal	NPV of Interest
2011	\$2,828,000	\$1,052,811
2013	0	0
2015	505,000	238,834
2017	2,020,000	955,330
2019	0	0
Total	<u>\$5,353,000</u>	<u>\$2,246,974</u>

Bond Amortization Schedule 2011

Borrowing Rate	4.25%	Discount Rate	
Years	20		4.25%
Annual Payment	\$212,722		
Principal Amount	\$2,828,000		
Year of Issue	2011	NPV of	
		Interest Payments	\$1,052,811

Fiscal Year	EOY Principal Balance	Principal	Interest	Total
2011	\$2,735,468	\$92,532	\$120,190	\$212,722
2012	2,639,003	96,465	116,257	212,722
2013	2,538,439	100,564	112,158	212,722
2014	2,433,601	104,838	107,884	212,722
2015	2,324,307	109,294	103,428	212,722
2016	2,210,368	113,939	98,783	212,722
2017	2,091,587	118,781	93,941	212,722
2018	1,967,757	123,830	88,892	212,722
2019	1,838,665	129,092	83,630	212,722
2020	1,704,086	134,579	78,143	212,722
2021	1,563,788	140,298	72,424	212,722
2022	1,417,527	146,261	66,461	212,722
2023	1,265,050	152,477	60,245	212,722
2024	1,106,093	158,957	53,765	212,722
2025	940,380	165,713	47,009	212,722
2026	767,624	172,756	39,966	212,722
2027	587,526	180,098	32,624	212,722
2028	399,774	187,752	24,970	212,722
2029	204,042	195,732	16,990	212,722
2030	-	204,050	8,672	212,722
Total		\$2,828,008	\$1,426,432	\$4,254,440

Bond Amortization Schedule 2015

Borrowing Rate	6.00%	Discount Rate
Years	20	6.00%
Annual Payment	\$44,028	
Principal Amount	\$505,000	NPV of
Year of Issue	2015	Interest Payments
		\$238,834

Fiscal Year	EOY Principal Balance	Principal	Interest	Total
2011				
2012				
2013				
2014				
2015	\$498,136	\$6,864	\$15,150	\$22,014
2016	483,996	14,140	29,888	44,028
2017	469,008	14,988	29,040	44,028
2018	453,120	15,888	28,140	44,028
2019	436,279	16,841	27,187	44,028
2020	418,428	17,851	26,177	44,028
2021	399,506	18,922	25,106	44,028
2022	379,448	20,058	23,970	44,028
2023	358,187	21,261	22,767	44,028
2024	335,650	22,537	21,491	44,028
2025	311,761	23,889	20,139	44,028
2026	286,439	25,322	18,706	44,028
2027	259,597	26,842	17,186	44,028
2028	231,145	28,452	15,576	44,028
2029	200,986	30,159	13,869	44,028
2030	169,017	31,969	12,059	44,028
2031	135,130	33,887	10,141	44,028
2032	99,210	35,920	8,108	44,028
2033	61,135	38,075	5,953	44,028
2034	20,775	40,360	3,668	44,028
2035	-	21,391	624	22,014
Total		\$505,616	\$374,945	\$880,560

Bond Amortization Schedule 2017

Borrowing Rate	6.00%	Discount Rate
Years	20	6.00%
Annual Payment	\$176,113	
Principal Amount	\$2,020,000	NPV of
Year of Issue	2017	Interest Payments
		\$955,330

Fiscal Year	EOY Principal Balance	Principal	Interest	Total
2011				
2012				
2013				
2014				
2015				
2016				
2017	\$1,992,544	\$27,457	\$60,600	\$88,057
2018	1,935,984	56,560	119,553	176,113
2019	1,876,030	59,954	116,159	176,113
2020	1,812,479	63,551	112,562	176,113
2021	1,745,115	67,364	108,749	176,113
2022	1,673,709	71,406	104,707	176,113
2023	1,598,019	75,690	100,423	176,113
2024	1,517,787	80,232	95,881	176,113
2025	1,432,741	85,046	91,067	176,113
2026	1,342,592	90,149	85,964	176,113
2027	1,247,034	95,558	80,555	176,113
2028	1,145,743	101,291	74,822	176,113
2029	1,038,375	107,368	68,745	176,113
2030	924,564	113,811	62,302	176,113
2031	803,925	120,639	55,474	176,113
2032	676,047	127,878	48,235	176,113
2033	540,497	135,550	40,563	176,113
2034	396,814	143,683	32,430	176,113
2035	244,510	152,304	23,809	176,113
2036	83,068	161,442	14,671	176,113
2037	-	85,565	2,492	88,057
Total		\$2,022,497	\$1,499,763	\$3,522,260

ENR Values

YEAR	ENR 20-CITIES INDEX (DENVER)
1960	732
1961	677
1962	701
1963	725
1964	748
1965	776
1966	814
1967	858
1968	923
1969	1014
1970	1104
1971	1352
1972	1475
1973	1556
1974	1670
1975	1886
1976	2124
1977	2353
1978	2565
1979	2739
1980	2947
1981	3201
1982	3446
1983	3690
1984	3106
1985	3316
1986	3503
1987	3507
1988	3538
1989	3642
1990	3668
1991	3715
1992	3834
1993	4012
1994	4009
1995	4088
1996	4334
1997	4329
1998	4470
1999	4498
2000	4767
2001	4663
2002	4744
2003	5015
2004	5450
2005	5552
2006	5714
2007	5747
2008	5936
2009	6343
2010	6341

avg. of 1961 a

January

Appendix E - Wastewater Financial Plan and Customer Data



STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
DECISION CRITERIA - WASTEWATER

FILE: Stmboat_WW
SCHEDULE: Dec_Crit
DATE: 09/01/10
RANGE: DECCRIT1

Line No.	DESCRIPTION	Projected										
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
1	Rate Revenue Increase	0.0%	9.0%	7.0%	6.0%	6.0%	6.0%	5.0%	5.0%	5.0%	5.0%	
2	Effective Month of Rate Increase (effective 1st day of month: 1=Jan 12=Dec)	1	1	1	1	1	1	1	1	1	1	
3	Typical Residential Bill	\$26.88	\$29.30	\$31.35	\$33.23	\$35.23	\$37.34	\$39.21	\$41.17	\$43.22	\$45.39	
4	Wastewater Treatment Tap Fee Increase	0.0%	26.6%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	
5	Wastewater Collection Tap Fee Increase	0.0%	59.3%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	
6	Effective Month of Fee Increase (effective 1st day of month: 1=Jan 12=Dec)	1	1	1	1	1	1	1	1	1	1	
7	Wastewater Treatment Tap Fee per Fixture Unit	\$26.34	\$33.34	\$34.01	\$34.69	\$35.38	\$36.09	\$36.81	\$37.55	\$38.30	\$39.06	
8	Wastewater Collection Fee per Fixture Unit	\$2.85	\$4.54	\$4.63	\$4.72	\$4.82	\$4.91	\$5.01	\$5.11	\$5.22	\$5.32	
Bond/Loan Proceeds												
9	Operations Subfund	Revenue Bonds	\$0	\$2,200,000	\$0	\$2,500,000	\$0	\$2,350,000	\$0	\$5,400,000	\$0	\$3,400,000
10	Tap Fee Subfund	Revenue Bonds	0	660,000	0	850,000	0	800,000	0	5,125,000	0	2,100,000
11	Total		\$0	\$2,860,000	\$0	\$3,350,000	\$0	\$3,150,000	\$0	\$10,525,000	\$0	\$5,500,000
Loan (to) Tap Fee Subfund from Operations Subfund												
12	Annual		(\$650,000)	(\$500,000)	(\$380,000)	\$435,000	\$45,000	\$695,000	\$0	\$0	(\$565,000)	(\$750,000)
13	Payments		-	-	-	-	-	-	-	-	-	-
14	Cumulative Loan Balance		\$650,000	\$1,163,000	\$1,566,260	\$1,162,585	\$1,140,837	\$468,654	\$478,027	\$487,587	\$1,062,339	\$1,833,586
15	(Principal & Accrued Int)											
Cash Balances - End of Year												
16	Operations Subfund		\$1,746,322	\$2,110,991	\$781,798	\$1,937,943	\$935,936	\$2,651,744	\$872,468	\$3,790,302	\$1,093,633	\$1,172,178
17	Tap Fee Subfund		14,901	9,176	133,622	15,079	157,251	491,092	5,631	3,676,912	231,587	815,631
18	Total Fund		\$1,761,223	\$2,120,166	\$915,420	\$1,953,021	\$1,093,187	\$3,142,836	\$878,099	\$7,467,214	\$1,325,220	\$1,987,809
19	Debt Service Coverage Including Dev. Fees [1]		1.52	1.48	1.91	2.26	2.18	2.11	2.27	1.81	1.62	1.53
20	Debt Service Coverage Excluding Dev. Fees [1]		1.46	1.24	1.42	1.34	1.34	1.34	1.47	1.19	1.10	1.03
Cash Reserve Balance Requirements [2]												
21	Operations Subfund		\$603,898	\$815,805	\$712,190	\$712,059	\$850,729	\$778,791	\$820,565	\$1,010,874	\$1,053,976	\$1,098,970
22	Tap Fee Subfund		0	6,500	128,960	7,365	150,881	21,855	0	160,444	224,959	804,829
23	Total Fund		\$603,898	\$822,305	\$841,150	\$719,423	\$1,001,610	\$800,646	\$820,565	\$1,171,317	\$1,278,935	\$1,903,800
24	Cash Reserve Ratio [3] - Operations Subfund		120.1%	135.1%	48.1%	114.7%	53.2%	145.1%	45.9%	191.7%	53.2%	54.8%
25	Cash Reserve Ratio [3] - Total Fund		121.1%	135.7%	56.3%	115.6%	62.2%	171.9%	46.2%	377.7%	64.4%	93.0%
26	Cash Reserve Ratio [4] - Operations Subfund		98.6%	102.9%	24.3%	92.5%	24.8%	122.5%	22.7%	160.6%	21.9%	23.4%
27	Cash Reserve Ratio [4] - Total Fund		99.6%	103.1%	24.6%	93.0%	25.2%	148.1%	23.0%	338.4%	22.3%	23.9%
28	Cumulative Debt Issued		\$0	\$2,860,000	\$2,860,000	\$6,210,000	\$6,210,000	\$9,360,000	\$9,360,000	\$19,885,000	\$19,885,000	\$25,385,000
29	Cumulative % of CIP Funded by Debt		0.0%	55.8%	40.6%	60.4%	49.8%	63.8%	50.5%	86.9%	65.7%	70.6%
Funded CIP - Inflated \$												
30	Operations Subfund		\$2,516,390	\$1,935,812	\$1,870,148	\$2,495,892	\$2,065,895	\$2,201,643	\$3,077,139	\$3,213,560	\$3,356,280	\$3,505,598
31	Tap Fee Subfund		32,500	644,800	36,823	754,406	109,273	0	802,218	1,124,797	4,024,147	2,168,710
32	Total Annual CIP		2,548,890	2,580,612	1,906,971	3,250,298	2,175,167	2,201,643	3,879,357	4,338,358	7,380,427	5,674,308
33	Cumulative CIP Amount		\$2,548,890	\$5,129,502	\$7,036,472	\$10,286,770	\$12,461,938	\$14,663,581	\$18,542,938	\$22,881,295	\$30,261,722	\$35,936,030

[1] Target debt service coverage including development fees: 1.5 Legal requirement of 1.1

[2] Target ending cash balance for capital project reserve at 20% of previous year capital expenditures. Operations cash reserve ratio of 20% of annual O&M expenditures also included.

[3] Target ending cash balance as a percent of O&M expenditures: 20%

[4] Excludes Capital Reserve Cash balance target. Target ending cash balance as a percent of O&M expenditures: 20%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CASH FLOW PROJECTION - TOTAL FUND

FILE: Stmboat_WW
 SCHEDULE: CASHFLOW
 DATE: 09/01/10
 RANGE: CF_TOTAL

Line No.	DESCRIPTION	Projected									Test Year	
		2010	2011	2012	2013	2014	2015	2016	2017	2018		2019
Operating Revenues												
1	Sewer Charges	\$2,481,242	\$2,714,430	\$2,929,516	\$3,159,537	\$3,407,363	\$3,674,179	\$3,924,226	\$4,190,482	\$4,474,833	\$4,778,125	3,159,537
2	Meter Sales	2,500	2,513	2,531	2,550	2,576	2,602	2,641	2,680	2,720	2,761	2,550
3	Misc Chgs - Materials	1,000	1,005	1,013	1,020	1,030	1,041	1,056	1,072	1,088	1,104	1,020
4	Misc Chgs - Labor/Equip	10,000	10,050	10,125	10,201	10,303	10,406	10,562	10,721	10,882	11,045	10,201
5	Charges for Services	4,500	4,523	4,556	4,591	4,636	4,683	4,753	4,824	4,897	4,970	4,591
6	Tap Fees	43,476	228,507	473,773	1,027,354	1,066,239	1,100,273	1,141,806	1,184,907	1,229,635	1,276,051	1,027,354
7	Interest	40,848	35,224	42,404	18,308	39,061	21,864	62,857	17,562	149,344	26,505	18,308
8	Total Operating Revenues	2,583,566	2,996,251	3,463,918	4,223,561	4,531,209	4,815,047	5,147,902	5,412,248	5,873,399	6,100,562	4,223,561
Operating Expenditures												
9	Operating	1,453,912	1,562,634	1,625,139	1,690,145	1,757,751	1,828,061	1,901,183	1,977,231	2,056,320	2,138,573	1,690,145
10	Total Operating Expenditures	1,453,912	1,562,634	1,625,139	1,690,145	1,757,751	1,828,061	1,901,183	1,977,231	2,056,320	2,138,573	1,690,145
11	Net Income Available for Debt Service	1,129,654	1,433,617	1,838,779	2,533,416	2,773,458	2,986,986	3,246,718	3,435,018	3,817,079	3,961,989	2,533,416
Debt Service												
12	Debt Service Payments - Existing	743,964	752,613	745,742	755,217	758,123	762,053	639,363	641,401	642,487	638,607	755,217
13	Debt Service Payments - New	0	217,310	217,310	364,826	512,343	651,053	789,764	1,253,193	1,716,623	1,958,778	364,826
14	Total Debt Service	\$743,964	\$969,923	\$963,053	\$1,120,043	\$1,270,466	\$1,413,106	\$1,429,127	\$1,894,595	\$2,359,110	\$2,597,385	\$1,120,043
15	DSC Ratio (1)	1.52	1.48	1.91	2.26	2.18	2.11	2.27	1.81	1.62	1.53	
16	Income Available After Debt Service	\$385,689	\$463,693	\$875,726	\$1,413,373	\$1,502,993	\$1,573,880	\$1,817,591	\$1,540,423	\$1,457,968	\$1,364,605	\$1,413,373
Other Cash Inflows/(Outflows)												
17	Bond/Loan Proceeds	0	2,860,000	0	3,350,000	0	3,150,000	0	10,525,000	0	5,500,000	3,350,000
18	Capital Improvements	(2,548,890)	(2,580,612)	(1,906,971)	(3,250,298)	(2,175,167)	(2,201,643)	(3,879,357)	(4,338,358)	(7,380,427)	(5,674,308)	(3,250,298)
19	Debt Service Reserve Deposit (New Debt)	0	(217,310)	0	(295,033)	0	(277,421)	0	(926,859)	0	(299,392)	(295,033)
20	Transfer to General Fund	(160,412)	(166,828)	(173,502)	(180,442)	(187,659)	(195,166)	(202,972)	(211,091)	(219,535)	(228,316)	(180,442)
21	Loan (To) Tap Fee Subfund	0	0	0	0	0	0	0	0	0	0	0
22	Total Other Cash Inflows/(Outflows)	(2,709,302)	(104,750)	(2,080,472)	(375,772)	(2,362,827)	475,770	(4,082,329)	5,048,692	(7,599,962)	(702,016)	(375,772)
23	Increase /(Decrease) in Cash Balance	(2,323,613)	358,943	(1,204,746)	1,037,601	(859,834)	2,049,649	(2,264,738)	6,589,115	(6,141,993)	662,589	1,037,601
24	Beginning of Year Cash Balance	4,084,836	1,761,223	2,120,166	915,420	1,953,021	1,093,187	3,142,836	878,099	7,467,214	1,325,220	915,420
25	End of Year Cash Balance	1,761,223	2,120,166	915,420	1,953,021	1,093,187	3,142,836	878,099	7,467,214	1,325,220	1,987,809	1,953,021
26	Capital Project Fund Reserve (2)	313,115	509,778	516,122	381,394	650,060	435,033	440,329	775,871	867,672	1,476,085	381,394
27	End of Year Cash Balance - Less Capital Reserve	\$1,448,108	\$1,610,388	\$399,298	\$1,571,627	\$443,127	\$2,707,803	\$437,770	\$6,691,342	\$457,549	\$511,724	\$1,571,627
28	Cash Reserve Ratio Before Capital Project Reserve (3)	121.1%	135.7%	56.3%	115.6%	62.2%	171.9%	46.2%	377.7%	64.4%	93.0%	115.6%
29	Cash Reserve Ratio After Capital Project Reserve (4)	99.6%	103.1%	24.6%	93.0%	25.2%	148.1%	23.0%	338.4%	22.3%	23.9%	93.0%

(1) Target debt service coverage: 1.5. Legal requirement of 1.1
 (2) Target ending cash balance of 20% of previous year capital improvements.
 (3) Target ending cash balance as a percent of O&M expenditures: 20%
 (4) Excludes Capital project fund reserve. Target ending cash balance as a percent of O&M expenditures: 20%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CASH FLOW PROJECTION - OPERATIONS SUBFUND

FILE: Stmboat_WW
 SCHEDULE: CASHFLOW
 DATE: 09/01/10
 RANGE: CF_OPS

Line No.	DESCRIPTION	Projected										Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Operating Revenues												
1	Sewer Charges	\$2,481,242	\$2,714,430	\$2,929,516	\$3,159,537	\$3,407,363	\$3,674,179	\$3,924,226	\$4,190,482	\$4,474,833	\$4,778,125	\$3,159,537
2	Meter Sales	2,500	2,513	2,531	2,550	2,576	2,602	2,641	2,680	2,720	2,761	2,550
3	Misc Chgs - Materials	1,000	1,005	1,013	1,020	1,030	1,041	1,056	1,072	1,088	1,104	1,020
4	Misc Chgs - Labor/Equip	10,000	10,050	10,125	10,201	10,303	10,406	10,562	10,721	10,882	11,045	10,201
5	Charges for Services	4,500	4,523	4,556	4,591	4,636	4,683	4,753	4,824	4,897	4,970	4,591
6	Interest	40,848	34,926	42,220	15,636	38,759	18,719	53,035	17,449	75,806	21,873	15,636
7	Total Operating Revenues	2,540,090	2,767,446	2,989,962	3,193,536	3,464,668	3,711,629	3,996,274	4,227,229	4,570,226	4,819,879	3,193,536
Operating Expenditures												
8	Operating	1,453,912	1,562,634	1,625,139	1,690,145	1,757,751	1,828,061	1,901,183	1,977,231	2,056,320	2,138,573	1,690,145
9	Total Operating Expenditures	1,453,912	1,562,634	1,625,139	1,690,145	1,757,751	1,828,061	1,901,183	1,977,231	2,056,320	2,138,573	1,690,145
10	Net Operating Income Avail. for Debt Service	1,086,178	1,204,812	1,364,822	1,503,390	1,706,917	1,883,568	2,095,090	2,249,998	2,513,906	2,681,307	1,503,390
Debt Service												
11	Debt Service Payments - Existing	97,890	103,226	103,226	108,563	113,091	118,207	0	0	0	0	108,563
12	Debt Service Payments - New	0	167,138	167,138	277,209	387,279	490,768	594,256	832,008	1,069,760	1,219,456	277,209
13	Total Debt Service	\$97,890	\$270,365	\$270,365	\$385,772	\$500,370	\$608,974	\$594,256	\$832,008	\$1,069,760	\$1,219,456	\$385,772
14	DSC Ratio (1)	11.10	4.46	5.05	3.90	3.41	3.09	3.53	2.70	2.35	2.20	
15	Income Available After Debt Service	\$988,288	\$934,447	\$1,094,457	\$1,117,619	\$1,206,547	\$1,274,594	\$1,500,835	\$1,417,990	\$1,444,146	\$1,461,851	1,117,619
Other Cash Inflows/(Outflows)												
16	Bond / Loan Proceeds - Non Growth	-	2,200,000	-	2,500,000	-	2,350,000	-	5,400,000	-	3,400,000	2,500,000
17	Capital Improvements - Non-Growth	(2,516,390)	(1,935,812)	(1,870,148)	(2,495,892)	(2,065,895)	(2,201,643)	(3,077,139)	(3,213,560)	(3,356,280)	(3,505,598)	(2,495,892)
18	Debt Service Reserve Deposit (New Debt)	-	(167,138)	-	(220,141)	-	(206,976)	-	(475,505)	-	(299,392)	(220,141)
19	Transfer to General Fund	(160,412)	(166,828)	(173,502)	(180,442)	(187,659)	(195,166)	(202,972)	(211,091)	(219,535)	(228,316)	(180,442)
20	Loan (To) Tap Fee Subfund	(650,000)	(500,000)	(380,000)	435,000	45,000	695,000	-	-	(565,000)	(750,000)	435,000
21	Total Other Cash Inflows/(Outflows)	(3,326,802)	(569,779)	(2,423,650)	38,525	(2,208,554)	441,215	(3,280,112)	1,499,844	(4,140,815)	(1,383,306)	38,525
22	Increase /(Decrease) in Cash Balance	(2,338,514)	364,669	(1,329,193)	1,156,144	(1,002,007)	1,715,809	(1,779,277)	2,917,834	(2,696,669)	78,545	1,156,144
23	Beginning of Year Cash Balance	4,084,836	1,746,322	2,110,991	781,798	1,937,943	935,936	2,651,744	872,468	3,790,302	1,093,633	781,798
24	End of Year Cash Balance	1,746,322	2,110,991	781,798	1,937,943	935,936	2,651,744	872,468	3,790,302	1,093,633	1,172,178	1,937,943
25	Capital Project Fund Reserve (2)	313,115	503,278	387,162	374,030	499,178	413,179	440,329	615,428	642,712	671,256	374,030
26	End of Year Cash Balance - Less Capital Reserve	\$1,433,207	\$1,607,713	\$394,636	\$1,563,913	\$436,757	\$2,238,565	\$432,139	\$3,174,874	\$450,921	\$500,922	\$1,563,913
27	Cash Reserve Ratio Before Capital Project Reserve (3)	120.1%	135.1%	48.1%	114.7%	53.2%	145.1%	45.9%	191.7%	53.2%	54.8%	
28	Cash Reserve Ratio After Capital Project Reserve (4)	98.6%	102.9%	24.3%	92.5%	24.8%	122.5%	22.7%	160.6%	21.9%	23.4%	

(1) Target debt service coverage: 1.5. Legal requirement of 1.1
 (2) Target ending cash balance of 20% of previous year capital improvements.
 (3) Target ending cash balance as a percent of O&M expenditures: 20%
 (4) Excludes Capital project fund reserve. Target ending cash balance as a percent of O&M expenditures: 20%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CASH FLOW PROJECTION - TAP FEE SUBFUND

FILE: Stmboat_WW
 SCHEDULE: CASHFLOW
 DATE: 09/01/10
 RANGE: CF_DEV

Line No.	DESCRIPTION	Projected										Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Operating Revenues												
1	Tap Fees	\$43,476	\$228,507	\$473,773	\$1,027,354	\$1,066,239	\$1,100,273	\$1,141,806	\$1,184,907	\$1,229,635	\$1,276,051	1,027,354
2	Interest	0	298	184	2,672	302	3,145	9,822	113	73,538	4,632	2,672
	Total Operating Revenues	43,476	228,805	473,957	1,030,026	1,066,541	1,103,418	1,151,628	1,185,020	1,303,173	1,280,683	1,030,026
3	Net Operating Income Avail. for Debt Service	43,476	228,805	473,957	1,030,026	1,066,541	1,103,418	1,151,628	1,185,020	1,303,173	1,280,683	1,030,026
Debt Service												
5	Debt Service Payments - Existing	646,074	649,387	642,516	646,654	645,032	643,846	639,363	641,401	642,487	638,607	646,654
6	Debt Service Payments - New	0	50,172	50,172	87,617	125,063	160,286	195,508	421,186	646,863	739,322	87,617
7	Total Debt Service	\$646,074	\$699,559	\$692,688	\$734,272	\$770,096	\$804,132	\$834,871	\$1,062,587	\$1,289,350	\$1,377,929	\$734,272
8	DSC Ratio	0.07	0.33	0.68	1.40	1.38	1.37	1.38	1.12	1.01	0.93	
9	Income Available After Debt Service	(\$602,599)	(\$470,754)	(\$218,731)	\$295,754	\$296,445	\$299,286	\$316,757	\$122,433	\$13,822	(\$97,246)	\$295,754
Other Cash Inflows/(Outflows)												
11	Bond / Loan Proceeds - Growth	0	660,000	0	850,000	0	800,000	0	5,125,000	0	2,100,000	850,000
12	Capital Expenditures - Growth	(32,500)	(644,800)	(36,823)	(754,406)	(109,273)	0	(802,218)	(1,124,797)	(4,024,147)	(2,168,710)	(754,406)
13	Repayment of Loan from Tap Fee Subfund	0	0	0	0	0	0	0	0	0	0	0
14	Debt Service Reserve Deposit	0	(50,172)	0	(74,892)	0	(70,445)	0	(451,354)	0	0	(74,892)
15	Loan From / Repayment (To) Operations Subfund	650,000	500,000	380,000	(435,000)	(45,000)	(695,000)	0	0	565,000	750,000	(435,000)
16	Total Other Cash Inflows/(Outflows)	617,500	465,028	343,178	(414,298)	(154,273)	34,555	(802,218)	3,548,848	(3,459,147)	681,290	(414,298)
17	Increase /(Decrease) in Cash Balance	14,901	(5,726)	124,447	(118,543)	142,173	333,841	(485,461)	3,671,281	(3,445,325)	584,044	(118,543)
18	Beginning of Year Cash Balance	0	14,901	9,176	133,622	15,079	157,251	491,092	5,631	3,676,912	231,587	133,622
19	End of Year Cash Balance	14,901	9,176	133,622	15,079	157,251	491,092	5,631	3,676,912	231,587	815,631	15,079
20	Cash Reserve - Capital Project Expense	0	6,500	128,960	7,365	150,881	21,855	0	160,444	224,959	804,829	7,365
21	End of Year Cash Balance - Less Capital Reserve	\$14,901	\$2,676	\$4,662	\$7,714	\$6,370	\$469,238	\$5,631	\$3,516,469	\$6,628	\$10,802	\$7,714

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROJECTED REVENUE - SEWER CHARGE

FILE: Stmboat_WW
 SCHEDULE: CASHFLOW
 DATE: 09/01/10
 RANGE: PROJREV

Line No.	DESCRIPTION	Percent Increase	Month Effective	Projected										Test Year
				2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
1	Sewer Charges Under Existing Rates		(1)	\$2,481,242	\$2,490,303	\$2,511,803	\$2,555,685	\$2,600,138	\$2,645,041	\$2,690,524	\$2,736,261	\$2,782,794	\$2,829,909	2,555,685
2	2010	0%	1	0	0	0	0	0	0	0	0	0	0	0
3	2011	9%	1		224,127	226,062	230,012	234,012	238,054	242,147	246,263	250,451	254,692	230,012
4	2012	7%	1			191,651	194,999	198,391	201,817	205,287	208,777	212,327	215,922	194,999
5	2013	6%	1				178,842	181,952	185,095	188,277	191,478	194,734	198,031	178,842
6	2014	6%	1					192,870	196,200	199,574	202,967	206,418	209,913	0
7	2015	6%	1						207,972	211,549	215,145	218,804	222,508	0
8	2016	5%	1							186,868	190,045	193,276	196,549	0
9	2017	5%	1								199,547	202,940	206,376	0
10	2018	5%	1									213,087	216,695	0
11	2019	5%	1										227,530	0
12	Subtotal Additional Revenue			0	224,127	417,713	603,852	807,225	1,029,138	1,233,702	1,454,221	1,692,039	1,948,216	603,852
13	Subtotal Sewer Revenue			2,481,242	2,714,430	2,929,516	3,159,537	3,407,363	3,674,179	3,924,226	4,190,482	4,474,833	4,778,125	3,159,537
14	Revenue Increase Assuming 12 months of Effectiveness			0	224,127	191,651	178,842	192,870	207,972	186,868	199,547	213,087	227,530	178,842
15	Revenue Assuming 12 months of Effectiveness			\$2,481,242	\$2,714,430	\$2,929,516	\$3,159,537	\$3,407,363	\$3,674,179	\$3,924,226	\$4,190,482	\$4,474,833	\$4,778,125	\$3,159,537

(1) Effective 1st day of month: 1=Jul 12=Jun

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROJECTED TAP FEES

FILE: Stmboat_WW
 SCHEDULE: CASHFLOW
 DATE: 09/01/10
 RANGE: F_PROJDFREV

Line No.	DESCRIPTION	Projected										Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
1	Wastewater Treatment / Interceptor Fee per Fixture Unit	\$26.34	\$26.34	\$33.34	\$34.01	\$34.69	\$35.38	\$36.09	\$36.81	\$37.55	\$38.30	
2	Annual Increase - \$	0.00	7.00	0.67	0.68	0.69	0.71	0.72	0.74	0.75	0.77	
3	Wastewater Treatment / Interceptor Fee per Unit	\$26.34	\$33.34	\$34.01	\$34.69	\$35.38	\$36.09	\$36.81	\$37.55	\$38.30	\$39.06	
4	Units per ERU	130	130	130	130	130	130	130	130	130	130	
5	Wastewater Treatment / Interceptor Fee per ERU	\$3,424	\$4,334	\$4,421	\$4,509	\$4,599	\$4,691	\$4,785	\$4,881	\$4,979	\$5,078	
6	ERUs Added - All Customers	12	50	101	215	219	221	225	229	233	237	
7	Wastewater Treatment / Interceptor Fee Revenue	\$41,494	\$215,555	\$446,919	\$969,123	\$1,005,805	\$1,037,909	\$1,077,088	\$1,117,746	\$1,159,939	\$1,203,724	
8	Wastewater Colelction System Fee per Fixture Unit	\$2.85	\$2.85	\$4.54	\$4.63	\$4.72	\$4.82	\$4.91	\$5.01	\$5.11	\$5.22	
9	Annual Increase - \$	0.00	1.69	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	
10	Wastewater Colelction System Fee per Fixture Unit	\$2.85	\$4.54	\$4.63	\$4.72	\$4.82	\$4.91	\$5.01	\$5.11	\$5.22	\$5.32	
11	Units per ERU	130	130	130	130	130	130	130	130	130	130	
12	Collection System Fee per ERU	\$370.50	\$590.20	\$602.00	\$614.04	\$626.32	\$638.85	\$651.63	\$664.66	\$677.95	\$691.51	
13	ERUs Added - City Customers	5	22	45	95	96	98	99	101	103	105	
14	Wastewater Treatment / Interceptor Fee Revenue	\$1,981	\$12,952	\$26,853	\$58,230	\$60,434	\$62,363	\$64,717	\$67,160	\$69,695	\$72,326	
15	Total Tap Fee Revenue	\$43,476	\$228,507	\$473,773	\$1,027,354	\$1,066,239	\$1,100,273	\$1,141,806	\$1,184,907	\$1,229,635	\$1,276,051	

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PROJECTED O&M COSTS

FILE: Stmboat_WW
SCHEDULE: O&M EXP
DATE: 9/1/2010
RANGE: OM

Line No.	DESCRIPTION	Budget	Projected									Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
1	Wastewater Treatment											
2	Personnel											
3	Salaries	\$196,131	\$223,589	\$232,533	\$241,834	\$251,508	\$261,568	\$272,031	\$282,912	\$294,228	\$305,997	\$241,834
4	Continuous Part-Time	33,484	38,172	39,699	41,287	42,938	44,656	46,442	48,299	50,231	52,241	41,287
5	Overtime	4,500	5,130	5,335	5,549	5,771	6,001	6,241	6,491	6,751	7,021	5,549
6	Premium Time	0	0	0	0	0	0	0	0	0	0	0
7	FICA Taxes	14,515	16,547	17,209	17,897	18,613	19,358	20,132	20,937	21,775	22,646	17,897
8	Medicare Taxes	3,395	3,870	4,025	4,186	4,354	4,528	4,709	4,897	5,093	5,297	4,186
9	Employee Retirement	14,047	14,609	15,193	15,801	16,433	17,090	17,774	18,485	19,224	19,993	15,801
10	Health Insurance	54,919	57,116	59,400	61,776	64,247	66,817	69,490	72,270	75,160	78,167	61,776
11	Life/LTD/AD&D/Pretax	2,526	2,627	2,732	2,841	2,955	3,073	3,196	3,324	3,457	3,595	2,841
12	Workers Compensation	3,071	3,194	3,322	3,454	3,593	3,736	3,886	4,041	4,203	4,371	3,454
13	Unemployment Insurance	468	487	506	526	547	569	592	616	640	666	526
14	Operating											
15	Other Outside Services	175,700	182,728	190,037	197,639	205,544	213,766	222,317	231,209	240,458	250,076	197,639
16	Hardware/Software Services	800	832	865	900	936	973	1,012	1,053	1,095	1,139	900
17	Communications	1,000	1,040	1,082	1,125	1,170	1,217	1,265	1,316	1,369	1,423	1,125
18	Utilities	265,630	276,255	287,305	298,798	310,750	323,180	336,107	349,551	363,533	378,074	298,798
19	Training, Travel, Meetings	5,000	5,200	5,408	5,624	5,849	6,083	6,327	6,580	6,843	7,117	5,624
20	Memberships, Subscription	1,225	1,274	1,325	1,378	1,433	1,490	1,550	1,612	1,676	1,744	1,378
21	Permits and Licenses	19,400	20,176	20,983	21,822	22,695	23,603	24,547	25,529	26,550	27,612	21,822
22	Operating Supplies	13,000	13,520	14,061	14,623	15,208	15,816	16,449	17,107	17,791	18,503	14,623
23	Uniforms	4,805	4,997	5,197	5,405	5,621	5,846	6,080	6,323	6,576	6,839	5,405
24	Chemicals	25,500	26,520	27,581	28,684	29,831	31,025	32,266	33,556	34,899	36,294	28,684
25	Fuel and Oil	1,000	1,040	1,082	1,125	1,170	1,217	1,265	1,316	1,369	1,423	1,125
26	Central Services Charges	50,329	52,342	54,436	56,613	58,878	61,233	63,682	66,230	68,879	71,634	56,613
27	Fleet Services Charges	4,225	4,394	4,570	4,753	4,943	5,140	5,346	5,560	5,782	6,013	4,753
28	Computer Services Charges	2,786	2,897	3,013	3,134	3,259	3,390	3,525	3,666	3,813	3,965	3,134
29	GIS Services Charges	704	732	761	792	824	857	891	926	963	1,002	792
30	R&M Buildings & Grounds	30,000	31,200	32,448	33,746	35,096	36,500	37,960	39,478	41,057	42,699	33,746
31	2003 R&M Buildings & Gro	0	0	0	0	0	0	0	0	0	0	0
32	R&M Machinery & Equipment	25,000	26,000	27,040	28,122	29,246	30,416	31,633	32,898	34,214	35,583	28,122
33	Total Wastewater Treatment	953,160	1,016,489	1,057,148	1,099,434	1,143,412	1,189,148	1,236,714	1,286,183	1,337,630	1,391,135	1,099,434
34	Wastewater Collection											
35	Personnel											
36	Salaries	85,905	97,932	101,849	105,923	110,160	114,566	119,149	123,915	128,871	134,026	105,923
37	Overtime	2,062	2,351	2,445	2,542	2,644	2,750	2,860	2,974	3,093	3,217	2,542
38	Premium Time	0	0	0	0	0	0	0	0	0	0	0
39	Standby Time	3,330	3,796	3,948	4,106	4,270	4,441	4,619	4,803	4,996	5,195	4,106
40	FICA Taxes	5,660	6,452	6,710	6,979	7,258	7,548	7,850	8,164	8,491	8,831	6,979
41	Medicare Taxes	1,324	1,509	1,570	1,633	1,698	1,766	1,836	1,910	1,986	2,066	1,633
42	Employee Retirement	5,478	5,697	5,925	6,162	6,408	6,665	6,931	7,209	7,497	7,797	6,162
43	Health Insurance	25,542	26,564	27,626	28,731	29,881	31,076	32,319	33,612	34,956	36,354	28,731
44	Life/LTD/AD&D/Pretax	945	983	1,022	1,063	1,106	1,150	1,196	1,244	1,293	1,345	1,063
45	Workers Compensation	1,735	1,804	1,877	1,952	2,030	2,111	2,195	2,283	2,374	2,469	1,952
46	Unemployment Insurance	183	190	198	206	214	223	232	241	250	260	206
47	Operating											
48	Leases and Rentals	1,000	1,040	1,082	1,125	1,170	1,217	1,265	1,316	1,369	1,423	1,125
49	Other Outside Services	2,500	2,600	2,704	2,812	2,925	3,042	3,163	3,290	3,421	3,558	2,812
50	Hardware/Software Services	1,800	1,872	1,947	2,025	2,106	2,190	2,278	2,369	2,463	2,562	2,025
51	On-Line Computer Service	140	146	151	157	164	170	177	184	192	199	157

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PROJECTED O&M COSTS

FILE: Stmboat_WW
SCHEDULE: O&M EXP
DATE: 9/1/2010
RANGE: OM

Line No.	DESCRIPTION	Budget	Projected									Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
52	Communications	2,150	2,236	2,325	2,418	2,515	2,616	2,720	2,829	2,942	3,060	2,418
53	Utilities	6,000	6,240	6,490	6,749	7,019	7,300	7,592	7,896	8,211	8,540	6,749
54	Training, Travel, Meetings	200	208	216	225	234	243	253	263	274	285	225
55	Memberships, Subscription	185	192	200	208	216	225	234	243	253	263	208
56	Operating Supplies	3,150	3,276	3,407	3,543	3,685	3,832	3,986	4,145	4,311	4,483	3,543
57	Uniforms	570	593	617	641	667	693	721	750	780	811	641
58	Protective Clothing	200	208	216	225	234	243	253	263	274	285	225
59	Small Tools	360	374	389	405	421	438	456	474	493	512	405
60	Central Services Charges	6,835	7,108	7,393	7,688	7,996	8,316	8,648	8,994	9,354	9,728	7,688
61	Fleet Services Charges	61,681	64,148	66,714	69,383	72,158	75,044	78,046	81,168	84,415	87,791	69,383
62	Computer Services Charges	2,017	2,098	2,182	2,269	2,360	2,454	2,552	2,654	2,760	2,871	2,269
63	GIS Services Charges	159	165	172	179	186	193	201	209	218	226	179
64	R&M Buildings & Grounds	1,800	1,872	1,947	2,025	2,106	2,190	2,278	2,369	2,463	2,562	2,025
65	R&M Treatment Facilities	780	811	844	877	912	949	987	1,026	1,067	1,110	877
66	R&M Utility Lines	5,940	6,178	6,425	6,682	6,949	7,227	7,516	7,817	8,129	8,454	6,682
67	R&M Office & Comm Equip	205	213	222	231	240	249	259	270	281	292	231
68	R&M Machinery & Equip	7,700	8,008	8,328	8,661	9,008	9,368	9,743	10,133	10,538	10,960	8,661
69	Total Wastewater Collection	237,536	256,866	267,140	277,826	288,939	300,496	312,516	325,017	338,018	351,538	277,826
70	WW Meter Reading/Billing											
71	Personnel											
72	Salaries	31,963	36,438	37,895	39,411	40,988	42,627	44,332	46,105	47,950	49,868	39,411
73	FICA Taxes	1,982	2,259	2,350	2,444	2,542	2,643	2,749	2,859	2,973	3,092	2,444
74	Medicare Taxes	463	528	549	571	594	617	642	668	695	722	571
75	Employee Retirement	1,918	1,995	2,075	2,157	2,244	2,334	2,427	2,524	2,625	2,730	2,157
76	Health Insurance	6,049	6,291	6,543	6,804	7,076	7,360	7,654	7,960	8,278	8,610	6,804
77	Life/LTD/AD&D/Pretax	352	366	381	396	412	428	445	463	482	501	396
78	Workers Compensation	333	346	360	375	390	405	421	438	456	474	375
79	Unemployment Insurance	64	67	69	72	75	78	81	84	88	91	72
80	Operating											
81	Leases and Rentals	0	0	0	0	0	0	0	0	0	0	0
82	Hardware/Software Services	4,200	4,368	4,543	4,724	4,913	5,110	5,314	5,527	5,748	5,978	4,724
83	On-Line Computer Service	65	68	70	73	76	79	82	86	89	93	73
84	Communications	430	447	465	484	503	523	544	566	588	612	484
85	Postage	6,000	6,240	6,490	6,749	7,019	7,300	7,592	7,896	8,211	8,540	6,749
86	Utilities	1,700	1,768	1,839	1,912	1,989	2,068	2,151	2,237	2,327	2,420	1,912
87	Training, Travel, Meetings	100	104	108	112	117	122	127	132	137	142	112
88	Memberships, Subscription	160	166	173	180	187	195	202	211	219	228	180
89	Operating Supplies	3,110	3,234	3,364	3,498	3,638	3,784	3,935	4,093	4,256	4,426	3,498
90	Uniforms	220	229	238	247	257	268	278	290	301	313	247
91	Protective Clothing	100	104	108	112	117	122	127	132	137	142	112
92	Small Tools	275	286	297	309	322	335	348	362	376	391	309
93	Central Services Charges	621	646	672	699	726	756	786	817	850	884	699
94	Fleet Services Charges	6,760	7,030	7,312	7,604	7,908	8,225	8,554	8,896	9,252	9,622	7,604
95	Computer Services Charges	1,921	1,998	2,078	2,161	2,247	2,337	2,431	2,528	2,629	2,734	2,161
96	GIS Services Charges	40	42	43	45	47	49	51	53	55	57	45
97	R&M Buildings & Grounds	800	832	865	900	936	973	1,012	1,053	1,095	1,139	900
98	R&M Utility Lines	18,450	19,188	19,956	20,754	21,584	22,447	23,345	24,279	25,250	26,260	20,754
99	R&M Office & Comm Equip	110	114	119	124	129	134	139	145	151	157	124
100	R&M Machinery & Equip	400	416	433	450	468	487	506	526	547	569	450
101	Total WW Meter Reading / Billing	88,586	95,570	99,393	103,369	107,504	111,804	116,276	120,927	125,764	130,794	103,369

102 Wastewater Administration

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROJECTED O&M COSTS

FILE: Stmboat_WW
 SCHEDULE: O&M EXP
 DATE: 9/1/2010
 RANGE: OM

Line No.	DESCRIPTION	Budget	Projected									Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
103	Personnel											
104	Salaries	112,347	128,076	133,199	138,527	144,068	149,830	155,824	162,056	168,539	175,280	138,527
105	FICA Taxes	6,966	7,941	8,259	8,589	8,933	9,290	9,662	10,048	10,450	10,868	8,589
106	Medicare Taxes	1,629	1,857	1,931	2,009	2,089	2,172	2,259	2,350	2,444	2,542	2,009
107	Employee Retirement	6,741	7,011	7,291	7,583	7,886	8,201	8,530	8,871	9,226	9,595	7,583
108	Health Insurance	19,630	20,415	21,232	22,081	22,964	23,883	24,838	25,832	26,865	27,940	22,081
109	Life/LTD/AD&D/Pretax	1,236	1,285	1,337	1,390	1,446	1,504	1,564	1,626	1,692	1,759	1,390
110	Workers Compensation	1,336	1,389	1,445	1,503	1,563	1,625	1,690	1,758	1,828	1,902	1,503
111	Unemployment Insurance	225	234	243	253	263	274	285	296	308	320	253
112	Operating											
113	Other Outside Services	585	608	633	658	684	712	740	770	801	833	658
114	Communications	1,800	1,872	1,947	2,025	2,106	2,190	2,278	2,369	2,463	2,562	2,025
115	Training, Travel, Meetings	850	884	919	956	994	1,034	1,076	1,119	1,163	1,210	956
116	Memberships, Subscriptions	450	468	487	506	526	547	569	592	616	640	506
117	Operating Supplies	520	541	562	585	608	633	658	684	712	740	585
118	Uniforms	380	395	411	427	445	462	481	500	520	541	427
119	Protective Clothing	115	120	124	129	135	140	146	151	157	164	129
120	Central Services Charges	4,349	4,523	4,704	4,892	5,088	5,291	5,503	5,723	5,952	6,190	4,892
121	Fleet Services Charges	11,829	12,302	12,794	13,306	13,838	14,392	14,967	15,566	16,189	16,836	13,306
122	Computer Services Charges	2,882	2,997	3,117	3,242	3,372	3,506	3,647	3,793	3,944	4,102	3,242
123	GIS Services Charges	425	442	460	478	497	517	538	559	582	605	478
124	R&M Office & Comm Equip	335	348	362	377	392	408	424	441	458	477	377
125	Total WW Administration	174,630	193,709	201,458	209,516	217,897	226,613	235,677	245,104	254,908	265,105	209,516
126	Sub Total O&M	\$1,453,912	\$1,562,634	\$1,625,139	\$1,690,145	\$1,757,751	\$1,828,061	\$1,901,183	\$1,977,231	\$2,056,320	\$2,138,573	1,690,145
127	Additional Incremental O&M Costs											
128	Wastewater Treatment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
129	Wastewater Collection	-	0	0	0	0	0	0	0	0	0	0
130	WW Meter Reading/Billing	-	0	0	0	0	0	0	0	0	0	0
131	Wastewater Administration	-	0	0	0	0	0	0	0	0	0	0
132	Total Additional Incremental O&M	\$0	0									
133	Total O&M	\$1,453,912	\$1,562,634	\$1,625,139	\$1,690,145	\$1,757,751	\$1,828,061	\$1,901,183	\$1,977,231	\$2,056,320	\$2,138,573	\$1,690,145

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CAPITAL IMPROVEMENT PROJECTS
 2010 \$

FILE: Stmboat_WW
 SCHEDULE: CIP
 DATE: 09/01/10
 RANGE: CIP_CY

Line No.	DESCRIPTION	Function	Budget	Projected								Growth	Total	
			2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		Percent Allocation
Wastewater Collection System														
1	Collection Main Replacement	3	\$1,084,450	\$763,350	\$1,167,258	\$1,586,564	\$1,617,371	\$1,648,777	\$1,680,792	\$1,713,428	\$1,746,698	\$1,780,615	0%	\$14,789,301
2	Riverwalk Sewer Cost Sharing	3	230,000	-	-	-	-	-	-	-	-	-	0%	230,000
3	Meter Conversion	5	-	164,000	114,000	114,000	-	-	-	-	-	-	0%	392,000
4	Dream Island Interceptor Replacement	2	50,000	992,000	55,000	1,094,000	-	-	-	-	-	-	65%	2,191,000
5	Mt. Werner Interceptor Replacement	2	-	-	-	-	-	-	1,384,000	1,384,000	1,384,000	1,384,000	50%	5,536,000
6	I&I Reduction	2	-	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	0%	540,000
7	Lagoon Reclamation	5	125,433	-	-	-	-	-	-	-	-	-	0%	125,433
8	Shop Expansion	5	158,407	-	-	-	-	-	-	-	-	-	0%	158,407
9	Rate Study	5	15,600	-	-	-	-	30,000	-	-	-	-	0%	45,600
WWTP														
10	Bar Screen Replacement	1	500,000	-	-	-	-	-	-	-	-	-	0%	500,000
11	Polishing Pond Liner	1	275,000	-	-	-	-	-	-	-	-	-	0%	275,000
12	Payment Maintenance	1	-	400,000	-	-	-	-	-	-	-	-	0%	400,000
13	UV Modules (addition)	1	-	-	-	-	100,000	-	-	-	-	-	100%	100,000
14	Digester #4	1	-	-	-	-	-	-	-	250,000	2,500,000	-	100%	2,750,000
15	Blower Addition	1	-	-	-	-	-	-	-	-	80,000	-	100%	80,000
16	Administration/Lunch Room Addition	1	-	-	-	-	-	-	-	-	-	350,000	100%	350,000
17	Major Capital Maintenance Projects	1	-	201,262	205,170	209,154	213,216	217,355	221,576	225,878	230,264	234,736	0%	1,958,611
18	Steamboat II Lift Station Rebuild	4	-	-	250,000	-	-	-	-	-	-	-	0%	250,000
19	Lower Field Improvements	1	110,000	-	-	-	-	-	-	-	-	-	0%	110,000
WSSAP														
20	New WSSA Lift Station	6	-	-	-	-	-	-	-	-	-	670,000	100%	670,000
Total CIP			\$2,548,890	\$2,580,612	\$1,851,428	\$3,063,718	\$1,990,586	\$1,956,132	\$3,346,367	\$3,633,306	\$6,000,963	\$4,479,351		\$31,451,352

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CAPITAL IMPROVEMENT PROJECTS
 (Inflated \$)

FILE: Stmboat_WW
 SCHEDULE: CIP
 DATE: 09/01/10
 RANGE: CIP_INFL

Line No.	DESCRIPTION	Function	Estimated	Projected								Growth	Total
			2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Growth Related CIP													
Wastewater Collection System													
1	Collection Main Replacement	3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0%	\$0
2	Riverwalk Sewer Cost Sharing	3	-	-	-	-	-	-	-	-	-	0%	-
3	Meter Conversion	5	-	-	-	-	-	-	-	-	-	0%	-
4	Dream Island Interceptor Replacement	2	32,500	644,800	36,823	754,406	-	-	-	-	-	65%	1,468,528
5	Mt. Werner Interceptor Replacement	2	-	-	-	-	-	802,218	826,284	851,073	876,605	50%	3,356,179
6	I&I Reduction	2	-	-	-	-	-	-	-	-	-	0%	-
7	Lagoon Reclamation	5	-	-	-	-	-	-	-	-	-	0%	-
8	Shop Expansion	5	-	-	-	-	-	-	-	-	-	0%	-
9	Rate Study	5	-	-	-	-	-	-	-	-	-	0%	-
WWTP													
10	Bar Screen Replacement	1	-	-	-	-	-	-	-	-	-	0%	-
11	Polishing Pond Liner	1	-	-	-	-	-	-	-	-	-	0%	-
12	Payment Maintenance	1	-	-	-	-	-	-	-	-	-	0%	-
13	UV Modules (addition)	1	-	-	-	-	109,273	-	-	-	-	100%	109,273
14	Digester #4	1	-	-	-	-	-	-	298,513	3,074,685	-	100%	3,373,198
15	Blower Addition	1	-	-	-	-	-	-	-	98,390	-	100%	98,390
16	Administration/Lunch Room Addition	1	-	-	-	-	-	-	-	-	443,370	100%	443,370
17	Major Capital Maintenance Projects	1	-	-	-	-	-	-	-	-	-	0%	-
18	Steamboat II Lift Station Rebuild	4	-	-	-	-	-	-	-	-	-	0%	-
19	Lower Field Improvements	1	-	-	-	-	-	-	-	-	-	0%	-
WSSAP													
20	New WSSA Lift Station	6	-	-	-	-	-	-	-	-	848,736	100%	848,736
Total Growth Related CIP			\$32,500	\$644,800	\$36,823	\$754,406	\$109,273	\$0	\$802,218	\$1,124,797	\$4,024,147	\$2,168,710	\$9,697,674

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CAPITAL IMPROVEMENT PROJECTS
 (Inflated \$)

FILE: Stmboat_WW
 SCHEDULE: CIP
 DATE: 09/01/10
 RANGE: CIP_INFL2

Line No.	DESCRIPTION	Function	Estimated	Projected								Non-Growth	Total	
			2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		Percent Allocation
Non-Growth Related CIP														
Wastewater Collection System														
1	Collection Main Replacement	3	\$1,084,450	\$763,350	\$1,202,275	\$1,683,185	\$1,767,345	\$1,855,713	\$1,948,498	\$2,045,922	\$2,148,218	\$2,255,630	100%	\$16,754,587
2	Riverwalk Sewer Cost Sharing	3	230,000	-	-	-	-	-	-	-	-	-	100%	230,000
3	Meter Conversion	5	-	164,000	117,420	120,943	-	-	-	-	-	-	100%	402,363
4	Dream Island Interceptor Replacement	2	17,500	347,200	19,828	406,219	-	-	-	-	-	-	35%	790,746
5	Mt. Werner Interceptor Replacement	2	-	-	-	-	-	-	802,218	826,284	851,073	876,605	50%	3,356,179
6	I&I Reduction	2	-	60,000	61,800	63,654	65,564	67,531	69,556	71,643	73,792	76,006	100%	609,546
7	Lagoon Reclamation	5	125,433	-	-	-	-	-	-	-	-	-	100%	125,433
8	Shop Expansion	5	158,407	-	-	-	-	-	-	-	-	-	100%	158,407
9	Rate Study	5	15,600	-	-	-	-	33,765	-	-	-	-	100%	49,365
WWTP														
10	Bar Screen Replacement	1	500,000	-	-	-	-	-	-	-	-	-	100%	500,000
11	Polishing Pond Liner	1	275,000	-	-	-	-	-	-	-	-	-	100%	275,000
12	Payment Maintenance	1	-	400,000	-	-	-	-	-	-	-	-	100%	400,000
13	UV Modules (addition)	1	-	-	-	-	-	-	-	-	-	-	0%	-
14	Digester #4	1	-	-	-	-	-	-	-	-	-	-	0%	-
15	Blower Addition	1	-	-	-	-	-	-	-	-	-	-	0%	-
16	Administration/Lunch Room Addition	1	-	-	-	-	-	-	-	-	-	-	0%	-
17	Major Capital Maintenance Projects	1	-	201,262	211,325	221,891	232,986	244,635	256,867	269,711	283,196	297,356	100%	2,219,230
18	Steamboat II Lift Station Rebuild	4	-	-	257,500	-	-	-	-	-	-	-	100%	257,500
19	Lower Field Improvements	1	110,000	-	-	-	-	-	-	-	-	-	100%	110,000
WSSAP														
20	New WSSA Lift Station	6	-	-	-	-	-	-	-	-	-	-	0%	-
Total Non-Growth Related CIP			\$2,516,390	\$1,935,812	\$1,870,148	\$2,495,892	\$2,065,895	\$2,201,643	\$3,077,139	\$3,213,560	\$3,356,280	\$3,505,598		\$26,238,357

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 DEBT SERVICE COVERAGE TEST
 TOTAL WASTEWATER FUND

FILE: Stmboat_WW
 SCHEDULE: DEBT
 DATE: 9/1/2010
 RANGE: DEBT_DSC

DESCRIPTION	Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Annual Revenues - Including Tap Fees	\$2,583,566	\$2,996,251	\$3,463,918	\$4,223,561	\$4,531,209	\$4,815,047	\$5,147,902	\$5,412,248	\$5,873,399	\$6,100,562
Operating Expenditures	(1,453,912)	(1,562,634)	(1,625,139)	(1,690,145)	(1,757,751)	(1,828,061)	(1,901,183)	(1,977,231)	(2,056,320)	(2,138,573)
Revenues Available For Debt Service	1,129,654	1,433,617	1,838,779	2,533,416	2,773,458	2,986,986	3,246,718	3,435,018	3,817,079	3,961,989
Revenue Bond Debt Service	\$743,964	\$969,923	\$963,053	\$1,120,043	\$1,270,466	\$1,413,106	\$1,429,127	\$1,894,595	\$2,359,110	\$2,597,385
Debt Service Coverage Ratio	1.52	1.48	1.91	2.26	2.18	2.11	2.27	1.81	1.62	1.53
Target	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Above/(Below) Target	0.02	(0.02)	0.41	0.76	0.68	0.61	0.77	0.31	0.12	0.03
Annual Revenues - Excluding Tap Fees	\$2,540,090	\$2,767,744	\$2,990,146	\$3,196,208	\$3,464,970	\$3,714,774	\$4,006,096	\$4,227,342	\$4,643,764	\$4,824,511
Operating Expenditures	(1,453,912)	(1,562,634)	(1,625,139)	(1,690,145)	(1,757,751)	(1,828,061)	(1,901,183)	(1,977,231)	(2,056,320)	(2,138,573)
Revenues Available For Debt Service	1,086,178	1,205,110	1,365,006	1,506,062	1,707,219	1,886,713	2,104,912	2,250,111	2,587,444	2,685,939
Revenue Bond Debt Service	\$743,964	\$969,923	\$963,053	\$1,120,043	\$1,270,466	\$1,413,106	\$1,429,127	\$1,894,595	\$2,359,110	\$2,597,385
Debt Service Coverage Ratio	1.46	1.24	1.42	1.34	1.34	1.34	1.47	1.19	1.10	1.03
Target	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Above/(Below) Target	0.36	0.14	0.32	0.24	0.24	0.24	0.37	0.09	(0.00)	(0.07)
Additional Bonds Test										
Annual Revenues - Including Tap Fees	\$2,583,566	\$2,996,251	\$3,463,918	\$4,223,561	\$4,531,209	\$4,815,047	\$5,147,902	\$5,412,248	\$5,873,399	\$6,100,562
Operating Expenditures	(1,453,912)	(1,562,634)	(1,625,139)	(1,690,145)	(1,757,751)	(1,828,061)	(1,901,183)	(1,977,231)	(2,056,320)	(2,138,573)
Revenues Available For Debt Service	1,129,654	1,433,617	1,838,779	2,533,416	2,773,458	2,986,986	3,246,718	3,435,018	3,817,079	3,961,989
Maximum Annual Debt Service	\$770,394	\$987,704	\$983,121	\$1,060,843	\$1,060,843	\$1,057,086	\$938,111	\$1,569,938	\$1,569,677	\$1,565,466
Debt Service Coverage Ratio	1.47	1.45	1.87	2.39	2.61	2.83	3.46	2.19	2.43	2.53
Requirement	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Above/(Below) Target	0.37	0.35	0.77	1.29	1.51	1.73	2.36	1.09	1.33	1.43

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 BOND SIZING - EXISTING DEBT WATER

FILE: Stmboat_WW
 SCHEDULE: DEBT
 DATE: 9/1/2010
 RANGE: DEBT_EXIST

EXISTING DEBT SERVICE PAYMENTS	Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<u>Non-Growth Related</u>										
1995 Series	\$97,890	\$103,226	\$103,226	\$108,563	\$113,091	\$118,207	\$0	\$0	\$0	\$0
Unused	0	0	0	0	0	0	0	0	0	0
Subtotal Non-Growth Related	97,890	103,226	103,226	108,563	113,091	118,207	0	0	0	0
<u>Growth Related</u>										
1999 Refinance Series	\$213,824	\$214,992	\$216,093	\$217,033	\$217,792	\$214,035	\$213,278	\$213,348	\$213,087	\$208,876
2001 Series	432,250	434,395	426,423	429,621	427,240	429,811	426,085	428,053	429,400	429,731
Unused 3	0	0	0	0	0	0	0	0	0	0
Subtotal Growth Related	646,074	649,387	642,516	646,654	645,032	643,846	639,363	641,401	642,487	638,607
Total	\$743,964	\$752,613	\$745,742	\$755,217	\$758,123	\$762,053	\$639,363	\$641,401	\$642,487	\$638,607

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 BOND SIZING - NON-GROWTH

FILE: Stmboat_WW
 SCHEDULE: DEBT
 DATE: 9/1/2010
 RANGE: DEBT_NG

Revenue Bonds

DESCRIPTION	Projected										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
BOND SIZING											
Amount to be Funded	\$0	\$2,200,000	\$0	\$2,500,000	\$0	\$2,350,000	\$0	\$5,400,000	\$0	\$3,400,000	
Issuance Costs	0	22,000	0	25,000	0	23,500	0	54,000	0	34,000	
Rounding Amount	0	0	0	0	0	500	0	0	0	0	
Total Bond Size	\$0	\$2,222,000	\$0	\$2,525,000	\$0	\$2,374,000	\$0	\$5,454,000	\$0	\$3,434,000	
DEBT SERVICE PAYMENT (1)											
2010	SERIES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2011	SERIES		167,138	167,138	167,138	167,138	167,138	167,138	167,138	167,138	
2012	SERIES			0	0	0	0	0	0	0	
2013	SERIES				110,071	220,141	220,141	220,141	220,141	220,141	
2014	SERIES				0	0	0	0	0	0	
2015	SERIES					103,488	206,976	206,976	206,976	206,976	
2016	SERIES						0	0	0	0	
2017	SERIES							237,752	475,505	475,505	
2018	SERIES								0	0	
2019	SERIES									149,696	
Total Proposed Debt Service		\$0	\$167,138	\$167,138	\$277,209	\$387,279	\$490,768	\$594,256	\$832,008	\$1,069,760	\$1,219,456

(1) 1/2 Principal and Interest payment is due on year issued for assumed 2012 and subsequent debt.

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 BOND SIZING - NON-GROWTH DEBT SERVICE RESERVE

FILE: Stmboat_WW
 SCHEDULE: DEBT
 DATE: 9/1/2010
 RANGE: DEBT_NGDSR

DESCRIPTION	Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<u>DEBT SERVICE RESERVE</u>										
2010 SERIES	\$0	\$0	\$0	\$0	\$0					
2011 SERIES		167,138	0	0	0	\$0				
2012 SERIES			0	0	0	0	\$0			
2013 SERIES				220,141	0	0	0	\$0		
2014 SERIES					0	0	0	0	\$0	
2015 SERIES						206,976	0	0	0	\$0
2016 SERIES							0	0	0	0
2017 SERIES								475,505	0	0
2018 SERIES									0	0
2019 SERIES										299,392
Total Debt Service Reserve Deposit	\$0	\$167,138	\$0	\$220,141	\$0	\$206,976	\$0	\$475,505	\$0	\$299,392

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 BOND SIZING GROWTH

FILE: Stmboat_WW
 SCHEDULE: DEBT
 DATE: 9/1/2010
 RANGE: DEBT_NEWGROWTH

Revenue Bonds

DESCRIPTION	Projected										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
BOND SIZING											
Amount to be Funded	\$0	\$660,000	\$0	\$850,000	\$0	\$800,000	\$0	\$5,125,000	\$0	\$2,100,000	
Issuance Costs	0	6,600	0	8,500	0	8,000	0	51,250	0	21,000	
Rounding Amount	0	400	0	500	0	0	0	750	0	0	
Total Bond Size	\$0	\$667,000	\$0	\$859,000	\$0	\$808,000	\$0	\$5,177,000	\$0	\$2,121,000	
DEBT SERVICE PAYMENT (1)											
2010	SERIES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2011	SERIES		50,172	50,172	50,172	50,172	50,172	50,172	50,172	50,172	
2012	SERIES			0	0	0	0	0	0	0	
2013	SERIES				37,446	74,892	74,892	74,892	74,892	74,892	
2014	SERIES					0	0	0	0	0	
2015	SERIES						35,223	70,445	70,445	70,445	
2016	SERIES							0	0	0	
2017	SERIES								225,677	451,354	
2018	SERIES									0	
2019	SERIES									92,459	
Total Proposed Debt Service		\$0	\$50,172	\$50,172	\$87,617	\$125,063	\$160,286	\$195,508	\$421,186	\$646,863	\$739,322

(1) 1/2 Principal and Interest payment is due on year issued for assumed 2012 and subsequent debt.

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 BOND SIZING - GROWTH DEBT SERVICE RESERVE

FILE: Stmboat_WW
 SCHEDULE: DEBT
 DATE: 9/1/2010
 RANGE: DEBT_NEWGROWTHDSR

DESCRIPTION	Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<u>DEBT SERVICE RESERVE</u>										
2010 SERIES	\$0	\$0	\$0	\$0	\$0					
2011 SERIES		50,172	0	0	0	0				
2012 SERIES			0	0	0	0	0			
2013 SERIES				74,892	0	0	0	0		
2014 SERIES					0	0	0	0	0	
2015 SERIES						70,445	0	0	0	0
2016 SERIES							0	0	0	0
2017 SERIES								451,354	0	0
2018 SERIES									0	0
2019 SERIES										0
Total Debt Service Reserve Deposit	\$0	\$50,172	\$0	\$74,892	\$0	\$70,445	\$0	\$451,354	\$0	\$0

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 INTRA-FUND LOANS

FILE: Stmboat_WW
 SCHEDULE: CASHFLOW
 DATE: 09/01/10
 RANGE: CF_LOAN

Line No.	<i>Projected</i>										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
1	Interest Rate	1.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
2	Loans To/(From) Tap Fee Subfund										
3	(To)/From Operation Subfund										
4	Beginning of Year Balance	\$0	\$650,000	\$1,163,000	\$1,566,260	\$1,162,585	\$1,140,837	\$468,654	\$478,027	\$487,587	\$1,062,339
5	Current Year Loans	650,000	500,000	380,000	(435,000)	(45,000)	(695,000)	0	0	565,000	750,000
6	Interest	0	13,000	23,260	31,325	23,252	22,817	9,373	9,561	9,752	21,247
7	Current Year Payments	0	0	0	0	0	0	0	0	0	0
8	End of Year Balance	\$650,000	\$1,163,000	\$1,566,260	\$1,162,585	\$1,140,837	\$468,654	\$478,027	\$487,587	\$1,062,339	\$1,833,586

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 GENERAL INPUT SCHEDULE

FILE: Stmboat_WW
 SCHEDULE: INPUT
 DATE: 09/01/10
 RANGE: INPUT1

		<u>Input Column</u>	
1.	General Model Parameters		
	a. Base Year - (January 1)	2010	2010
	Test Year	2013	2013

2.	Beginning Fund Balances - January 1,	2010	
	b. (1)		
	Wastewater		
	Operations Subfund	\$4,084,836	
	Tap Fee Subfund	0	
	Total	<u>\$4,084,836</u>	

3.	Base Year Revenues / Expenses	
		Budget
		2010
	Sewer Charges	\$2,373,500
	Meter Sales	2,500
	Misc Chgs - Materials	1,000
	Misc Chgs - Labor/Equip	10,000
	Charges for Services	4,500
	Total	<u>\$2,391,500</u>

(1) Per City staff.

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
GENERAL INPUT SCHEDULE Cont.

FILE: Stmboat_WW
SCHEDULE: INPUT
DATE: 09/01/10
RANGE: INPUT2

5. Escalation / Inflation Factors

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
a. General Inflation Factors											
Salaries		0.00%	14.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Continuous Part-Time		0.00%	14.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Premium Time		0.00%	14.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Overtime		0.00%	14.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Standby Time		0.00%	14.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
FICA Taxes		0.00%	14.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Medicare Taxes		0.00%	14.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Employee Retirement		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Health Insurance		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Life/LTD/AD&D/Pretax		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Workers Compensation		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Unemployment Insurance		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Leases and Rentals		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Other Outside Services		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Hardware/Software Services		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Communications		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Utilities		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Training, Travel, Meetings		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Memberships, Subscription		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Operating Supplies		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Small Tools		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Fleet Services Charges		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
R&M Buildings & Grounds		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
R&M Treatment Facilities		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
R&M Utility Lines		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
R&M Office & Comm Equip		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
R&M Machinery & Equip		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Training, Travel, Meetings		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Central Services Charges		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Computer Services Charges		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
GIS Services Charges		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Permits and Licenses		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Uniforms		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Chemicals		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Fuel and Oil		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
2003 R&M Buildings & Gro		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
On-Line Computer Service		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Protective Clothing		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Transfers to Other Funds		0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
General Factor (CPI)		0.00%	0.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Construction Project Cost Inflator - Annual		0.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Construction Project Cost Inflator - Cumulative		0.00%	3.00%	6.09%	9.27%	12.55%	15.93%	19.41%	22.99%	26.68%	30.48%
Miscellaneous Revenue		0.00%	0.50%	0.75%	0.75%	1.00%	1.00%	1.50%	1.50%	1.50%	1.50%
Tap Fee Inflation Factor		0.00%	0.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
b. Growth Factors											
Active EQRs - City (1)	5,347	5,352	5,374	5,419	5,514	5,610	5,708	5,807	5,908	6,011	6,116
Percent Change From Prior Year	0.00%	0.10%	0.41%	0.83%	1.75%	1.75%	1.74%	1.74%	1.74%	1.74%	1.74%
EQRs added each year		5	22	45	95	96	98	99	101	103	105
Active EQRs - District (1)	6,771	6,778	6,806	6,862	6,982	7,104	7,228	7,354	7,482	7,612	7,744
Percent Change From Prior Year	0.00%	0.10%	0.41%	0.83%	1.75%	1.75%	1.74%	1.74%	1.74%	1.74%	1.74%
EQRs added each year		7	28	56	120	122	124	126	128	130	132
Active EQRs - Steamboat II (1)	406	406	406	406	406	406	406	406	406	406	406
Percent Change From Prior Year	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EQRs added each year		-	-	-	-	-	-	-	-	-	-
Total EQRs	12,524	12,536	12,586	12,687	12,902	13,121	13,342	13,567	13,796	14,029	14,266
Percent Change From Prior Year		0.10%	0.40%	0.80%	1.69%	1.69%	1.69%	1.69%	1.69%	1.69%	1.69%
Total EQRs added each year		12	50	101	215	219	221	225	229	233	237
c. Interest Earnings on Cash Balance		1.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%

(1) Master Plan is source for 2009 EQR values. Five year 2003 to 2007 system average growth of 1.69%. 2010 projected at 0.10%, 2011 at 0.40%, 2012 at 0.80% and 2013 thereafter at 1.69%

2010 RATE & FEE STUDY
 GENERAL INPUT SCHEDULE Cont.

FILE: tmboat_WW
 SCHEDULE: INPUT
 DATE: 09/01/10
 RANGE: INPUT3

7. Bond / Loan Parameters

	Estimated	Projected								
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
External Debt										
Length of Term / Repayment Period (years)	20	20	20	20	20	20	20	20	20	20
Annual Interest Rate	6.00%	4.25%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%
Issuance Costs	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Fiscal Year Month of Issue (1=January)	1	1	7	7	7	7	7	7	7	7

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CALCULATED: PROJECTED SEWER SERVICE REVENUE UNDER EXISTING RATES

FILE: Stmboat_WW
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: ROJ_REV_EXIST

Line No.	Customer Class	Projected										Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Inside City												
1	Residential	\$912,845	\$916,716	\$924,457	\$940,585	\$957,036	\$973,809	\$990,904	\$1,008,000	\$1,025,418	\$1,043,159	\$940,585
2	Commercial	441,082	442,469	446,629	454,954	463,274	471,599	479,919	488,243	496,563	504,888	454,954
3	Combined	95,593	96,123	97,186	98,779	100,372	101,965	103,561	105,154	106,747	108,339	98,779
4	Total Inside City	1,449,520	1,455,308	1,468,272	1,494,318	1,520,682	1,547,373	1,574,384	1,601,397	1,628,728	1,656,386	1,494,318
Steamboat II												
5	Residential	34,396	34,396	34,396	34,396	34,396	34,396	34,396	34,396	34,396	34,396	34,396
6	Commercial	716	716	716	716	716	716	716	716	716	716	716
7	Combined	0	0	0	0	0	0	0	0	0	0	0
8	Total Steamboat II	35,112										
Mt. Werner												
9	Residential	758,286	761,336	767,690	781,161	794,885	808,737	822,843	837,203	851,817	866,686	781,161
10	Commercial	148,086	148,086	149,597	152,620	155,642	158,662	161,685	164,707	167,729	170,752	152,620
11	Combined	76,259	76,482	77,153	78,495	79,838	81,178	82,521	83,863	85,429	86,994	78,495
12	Total Mt. Werner	982,631	985,904	994,440	1,012,276	1,030,365	1,048,577	1,067,049	1,085,773	1,104,975	1,124,432	1,012,276
Tree Haus												
13	Residential	13,979	13,979	13,979	13,979	13,979	13,979	13,979	13,979	13,979	13,979	13,979
14	Commercial	0	0	0	0	0	0	0	0	0	0	0
15	Combined	0	0	0	0	0	0	0	0	0	0	0
16	Total Tree Haus	13,979										
17	Total System	\$2,481,242	\$2,490,303	\$2,511,803	\$2,555,685	\$2,600,138	\$2,645,041	\$2,690,524	\$2,736,261	\$2,782,794	\$2,829,909	\$2,555,685

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CALCULATED: SERVICE CHARGE REVENUE

FILE: Stmboat_WW
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: PROJ_REV_MSC

Line No.	Customer Class	Projected										Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Inside City												
1	Residential	\$912,845	\$916,716	\$924,457	\$940,585	\$957,036	\$973,809	\$990,904	\$1,008,000	\$1,025,418	\$1,043,159	\$940,585
2	Commercial	90,096	90,379	91,229	92,929	94,629	96,329	98,029	99,729	101,429	103,128	92,929
3	Combined	50,998	51,281	51,848	52,698	53,547	54,397	55,247	56,097	56,947	57,797	52,698
4	Total Inside City	1,053,938	1,058,376	1,067,534	1,086,211	1,105,212	1,124,535	1,144,180	1,163,826	1,183,794	1,204,085	1,086,211
Steamboat II												
5	Residential	34,396	34,396	34,396	34,396	34,396	34,396	34,396	34,396	34,396	34,396	34,396
6	Commercial	0	0	0	0	0	0	0	0	0	0	0
7	Combined	0	0	0	0	0	0	0	0	0	0	0
8	Total Steamboat II	34,396										
Mt. Werner												
9	Residential	758,286	761,336	767,690	781,161	794,885	808,737	822,843	837,203	851,817	866,686	781,161
10	Commercial	0	0	0	0	0	0	0	0	0	0	0
11	Combined	433	435	438	446	454	461	469	477	485	494	446
12	Total Mt. Werner	758,720	761,771	768,129	781,607	795,339	809,198	823,312	837,680	852,303	867,180	781,607
Tree Haus												
13	Residential	13,979	13,979	13,979	13,979	13,979	13,979	13,979	13,979	13,979	13,979	13,979
14	Commercial	0	0	0	0	0	0	0	0	0	0	0
15	Combined	0	0	0	0	0	0	0	0	0	0	0
16	Total Tree Haus	13,979										
13	Total System	\$1,861,033	\$1,868,522	\$1,884,037	\$1,916,193	\$1,948,926	\$1,982,108	\$2,015,867	\$2,049,881	\$2,084,472	\$2,119,640	\$1,916,193

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CALCULATED: VOLUME CHARGE REVENUE

FILE: Stmboat_WW
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: PROJ_REV_VOL

Line No.	Customer Class	Projected									Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Inside City											
1	Residential	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Commercial	350,986	352,090	355,400	362,025	368,645	375,270	381,890	388,515	395,135	401,760
3	Combined	44,596	44,842	45,339	46,081	46,824	47,567	48,314	49,056	49,799	50,542
4	Total Inside City	395,582	396,932	400,738	408,106	415,469	422,837	430,203	437,571	444,934	452,302
Steamboat II											
5	Residential	0	0	0	0	0	0	0	0	0	0
6	Commercial	716	716	716	716	716	716	716	716	716	716
7	Combined	0	0	0	0	0	0	0	0	0	0
8	Total Steamboat II	716									
Mt. Werner											
9	Residential	0	0	0	0	0	0	0	0	0	0
10	Commercial	148,086	148,086	149,597	152,620	155,642	158,662	161,685	164,707	167,729	170,752
11	Combined	75,825	76,047	76,714	78,049	79,384	80,717	82,052	83,387	84,943	86,500
12	Total Mt. Werner	223,912	224,133	226,312	230,669	235,027	239,379	243,736	248,094	252,673	257,252
Tree Haus											
13	Residential	0	0	0	0	0	0	0	0	0	0
14	Commercial	0	0	0	0	0	0	0	0	0	0
15	Combined	0	0	0	0	0	0	0	0	0	0
16	Total Tree Haus	0									
17	Total System	\$620,209	\$621,781	\$627,766	\$639,491	\$651,211	\$662,931	\$674,655	\$686,381	\$698,323	\$710,269

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CALCULATED: PROJECTED SEWER VOLUME

FILE: Stmboat_WW
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: PROJ_VOL

Line No.	Customer Class	Projected									Test Year	
		2010	2011	2012	2013	2014	2015	2016	2017	2018		2019
		kgals										
Inside City												
1	Residential	148,307	148,936	150,194	152,814	155,487	158,212	160,989	163,767	166,597	169,479	152,814
2	Commercial	70,621	70,843	71,509	72,842	74,174	75,507	76,839	78,172	79,504	80,837	72,842
3	Combined	12,127	12,194	12,329	12,531	12,733	12,935	13,138	13,340	13,542	13,744	12,531
4	Total Inside City	231,055	231,973	234,032	238,187	242,394	246,654	250,966	255,279	259,643	264,060	238,187
Steamboat II												
5	Residential	21,540	21,540	21,540	21,540	21,540	21,540	21,540	21,540	21,540	21,540	21,540
6	Commercial	268	268	268	268	268	268	268	268	268	268	268
7	Combined	0	0	0	0	0	0	0	0	0	0	0
8	Total Steamboat II	21,808										
Mt. Werner												
9	Residential	215,312	216,178	217,982	221,807	225,704	229,637	233,642	237,720	241,869	246,091	221,807
10	Commercial	55,463	55,463	56,029	57,161	58,293	59,424	60,556	61,688	62,820	63,952	57,161
11	Combined	28,399	28,482	28,732	29,232	29,732	30,231	30,731	31,231	31,814	32,397	29,232
12	Total Mt. Werner	299,174	300,123	302,743	308,200	313,729	319,292	324,929	330,639	336,503	342,440	308,200
Tree Haus												
13	Residential	7,695	7,695	7,695	7,695	7,695	7,695	7,695	7,695	7,695	7,695	7,695
14	Commercial	0	0	0	0	0	0	0	0	0	0	0
15	Combined	0	0	0	0	0	0	0	0	0	0	0
16	Total Tree Haus	7,695										
17	Total System	559,732	561,599	566,278	575,890	585,626	595,449	605,398	615,421	625,649	636,003	575,890
			0.33%	0.83%	1.70%	1.69%	1.68%	1.67%	1.66%	1.66%	1.65%	2.89%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CALCULATED: 3/4" EQUIVALENT METERS (BASED ON METER COST)

FILE: Stmboat_WW
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: PROJ_MTR_CST

Line No.	Customer Class	Projected										Test Year
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Inside City												
1	Residential	2,468	2,478	2,498	2,542	2,587	2,632	2,677	2,724	2,771	2,819	2,542
2	Commercial	431	432	436	444	451	459	467	475	484	492	444
3	Combined	102	103	104	106	107	109	111	113	115	117	106
4	Total Inside City	3,001	3,013	3,038	3,092	3,145	3,200	3,255	3,312	3,370	3,428	3,092
Steamboat II												
5	Residential	22	22	22	22	22	22	22	22	22	22	22
6	Commercial	0	0	0	0	0	0	0	0	0	0	0
7	Combined	0	0	0	0	0	0	0	0	0	0	0
8	Total Steamboat II	22										
Mt. Werner												
9	Residential	0	0	0	0	0	0	0	0	0	0	0
10	Commercial	1	1	1	1	1	1	1	1	1	1	1
11	Combined	2	2	2	2	2	2	2	2	2	2	2
12	Total Mt. Werner	3										
Tree Haus												
13	Residential	1	1	1	1	1	1	1	1	1	1	1
14	Commercial	0	0	0	0	0	0	0	0	0	0	0
15	Combined	0	0	0	0	0	0	0	0	0	0	0
16	Total Tree Haus	1										
17	Total System	3,027	3,039	3,064	3,118	3,171	3,226	3,281	3,338	3,396	3,454	3,118
18	Added SFEs		12	25	54	53	55	55	57	58	58	

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CALCULATED: 3/4" EQUIVALENT METERS (BASED ON METER CAPACITY)

FILE: Stmboat_WW
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: PROJ_MTRREQ

Line No.	Customer Class	Projected									Test Year	
		2010	2011	2012	2013	2014	2015	2016	2017	2018		2019
Inside City												
1	Residential	2,554	2,565	2,586	2,631	2,677	2,724	2,771	2,819	2,868	2,918	2,631
2	Commercial	590	592	597	608	618	629	640	651	662	674	608
3	Combined	159	160	161	164	167	170	173	176	179	182	164
4	Total Inside City	3,303	3,317	3,344	3,403	3,462	3,523	3,584	3,646	3,709	3,774	3,403
Steamboat II												
5	Residential	60	60	60	60	60	60	60	60	60	60	60
6	Commercial	0	0	0	0	0	0	0	0	0	0	0
7	Combined	0	0	0	0	0	0	0	0	0	0	0
8	Total Steamboat II	60										
Mt. Werner												
9	Residential	1	1	1	1	1	1	1	1	1	1	1
10	Commercial	1	1	1	1	1	1	1	1	1	1	1
11	Combined	6	6	6	6	6	6	6	6	6	6	6
12	Total Mt. Werner	8										
Tree Haus												
13	Residential	1	1	1	1	1	1	1	1	1	1	1
14	Commercial	0	0	0	0	0	0	0	0	0	0	0
15	Combined	0	0	0	0	0	0	0	0	0	0	0
16	Total Tree Haus	1										
17	Total System	3,372	3,386	3,413	3,472	3,531	3,592	3,653	3,715	3,778	3,843	3,472
18	Added ERUs		14	27	59	59	61	61	62	63	65	

FILE: Stmboat_WW
SCHEDULE: REV
DATE: 09/01/10
RANGE: VOL_USE

Period	2010
Months Effective	12
	2010 Volume Charge per kgal
Customer Class	All Use
	\$/kgals
Inside City	
Residential	\$0.00
Unused	0.00
Unused	0.00
Steamboat II	
Residential	\$0.00
Commercial	2.67
Combined	2.67
Mt. Werner	
Residential	\$0.00
Commercial	2.67
Combined	2.67
Tree Haus	
Residential	\$0.00
Commercial	2.67
Combined	2.67

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 EXISTING SERVICE CHARGE BY METER SIZE

FILE: Stmboat_WW
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: EXIST_MSC

Period 2010
 Months Effective 12

Meter Size	2010 Monthly Service Charge							
	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"
Customer Class	\$/unit	\$/unit	\$/unit	\$/unit	\$/unit	\$/unit	\$/unit	\$/unit
Inside City								
Residential	\$26.88	\$26.88	\$26.88	\$26.88	\$26.88	\$26.88	\$26.88	\$26.88
Commercial	23.61	23.61	23.61	23.61	23.61	23.61	23.61	23.61
Combined	23.61	23.61	23.61	23.61	23.61	23.61	23.61	23.61
Steamboat II								
Residential	7.06	7.06	7.06	7.06	7.06	7.06	7.06	7.06
Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Combined	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mt. Werner								
Residential	10.59	10.59	10.59	10.59	10.59	10.59	10.59	10.59
Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Combined	10.59	10.59	10.59	10.59	10.59	10.59	10.59	10.59
Tree Haus								
Residential	10.59	10.59	10.59	10.59	10.59	10.59	10.59	10.59
Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Combined	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROJECTED UNITS

FILE: Stmboat_WW
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: PROJ_UNITS

Customer Class	Actual	Projected									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Inside City											
Residential	2,827	2,830	2,842	2,866	2,916	2,967	3,019	3,072	3,125	3,179	3,234
Commercial	318	318	319	322	328	334	340	346	352	358	364
Combined	180	180	181	183	186	189	192	195	198	201	204
Total Inside City	3,325	3,328	3,342	3,371	3,430	3,490	3,551	3,613	3,675	3,738	3,802
Steamboat II											
Residential	406	406	406	406	406	406	406	406	406	406	406
Commercial	1	1	1	1	1	1	1	1	1	1	1
Combined	0	0	0	0	0	0	0	0	0	0	0
Total Steamboat II	407										
Mt. Werner											
Residential	5,961	5,967	5,991	6,041	6,147	6,255	6,364	6,475	6,588	6,703	6,820
Commercial	98	98	98	99	101	103	105	107	109	111	113
Combined	341	341	342	345	351	357	363	369	375	382	389
Total Mt. Werner	6,399	6,406	6,431	6,485	6,599	6,715	6,832	6,951	7,072	7,196	7,322
Tree Haus											
Residential	110	110	110	110	110	110	110	110	110	110	110
Commercial	0	0	0	0	0	0	0	0	0	0	0
Combined	0	0	0	0	0	0	0	0	0	0	0
Total Tree Haus	110										
Total System	10,241	10,251	10,290	10,373	10,546	10,722	10,900	11,081	11,264	11,451	11,641
Average Annual Growth		0.10%	0.38%	0.81%	1.67%	1.67%	1.66%	1.66%	1.65%	1.66%	1.66%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROJECTED BILLS

FILE: Stmboat_WW
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: PROJ_BILLS

Customer Class	Actual	Projected										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Inside City												
Residential	28,718	28,747	28,865	29,105	29,614	30,132	30,656	31,189	31,732	32,284	32,846	29,614
Commercial	3,812	3,816	3,832	3,864	3,932	4,001	4,071	4,142	4,214	4,287	4,362	3,932
Combined	720	721	724	730	743	756	769	782	796	810	824	743
Total Inside City	33,250	33,284	33,421	33,699	34,289	34,889	35,496	36,113	36,742	37,381	38,032	34,289
Steamboat II												
Residential	12	12	12	12	12	12	12	12	12	12	12	12
Commercial	12	12	12	12	12	12	12	12	12	12	12	12
Combined	0	0	0	0	0	0	0	0	0	0	0	0
Total Steamboat II	24											
Mt. Werner												
Residential	4	4	4	4	4	4	4	4	4	4	4	4
Commercial	4	4	4	4	4	4	4	4	4	4	4	4
Combined	4	4	4	4	4	4	4	4	4	4	4	4
Total Mt. Werner	12											
Tree Haus												
Residential	12	12	12	12	12	12	12	12	12	12	12	12
Commercial	0	0	0	0	0	0	0	0	0	0	0	0
Combined	0	0	0	0	0	0	0	0	0	0	0	0
Total Tree Haus	12											
Total System	33,298	33,332	33,469	33,747	34,337	34,937	35,544	36,161	36,790	37,429	38,080	34,337
Average Annual Growth		0.10%	0.41%	0.83%	1.75%	1.75%	1.74%	1.74%	1.74%	1.74%	1.74%	1.74%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 ACCOUNTS BY METER SIZE
 AS OF DECEMBER 2009

FILE: Stmboat_WW
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: ACCTS_METER

Customer Class	Total	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"
Inside City									
Residential	3,125	2,923	185	6	8	2	1		
Commercial	408	265	72	33	31	5	2		
Combined	8	2	4	0	2	0	0		
Total Inside City	3,541	3,190	261	39	41	7	3	0	0
Steamboat II									
Residential	1								1
Commercial	0								
Combined	0								
Total Steamboat II	1	0	0	0	0	0	0	0	1
Mt. Werner									
Residential	2,098	1,275	563	163	69	15	13	0	
Commercial	112	27	32	28	21	3	1	0	
Combined	11	1	1	0	2	2	3	2	
Total Mt. Werner	2,221	1,303	596	191	92	20	17	2	0
Tree Haus									
Residential	110	110							
Commercial	0								
Combined	0								
Total Tree Haus	110	110	0	0	0	0	0	0	0
Total System	5,873	4,603	857	230	133	27	20	2	1

Inside City									
Residential	100.0%	93.5%	5.9%	0.2%	0.3%	0.1%	0.0%	0.0%	0.0%
Commercial	100.0%	65.0%	17.6%	8.1%	7.6%	1.2%	0.5%	0.0%	0.0%
Combined	100.0%	25.0%	50.0%	0.0%	25.0%	0.0%	0.0%	0.0%	0.0%
Total Inside City	100.0%	90.1%	7.4%	1.1%	1.2%	0.2%	0.1%	0.0%	0.0%
Steamboat II									
Residential	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Commercial	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Combined	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Steamboat II	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Mt. Werner									
Residential	100.0%	60.8%	26.8%	7.8%	3.3%	0.7%	0.6%	0.0%	0.0%
Commercial	100.0%	24.1%	28.6%	25.0%	18.8%	2.7%	0.9%	0.0%	0.0%
Combined	100.0%	9.1%	9.1%	0.0%	18.2%	18.2%	27.3%	18.2%	0.0%
Total Mt. Werner	100.0%	90.1%	7.4%	1.1%	1.2%	0.2%	0.1%	0.0%	0.0%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 METER RATIOS

FILE: Stmboat_WW
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: METER RATIOS

	B 3/4"	C 1"	D 1 1/2"	E 2"	F 3"	G 4"	H 6"	J 8"
	Displacement	Displacement	Displacement	Compound	Compound	Turbine Class I	Turbine Class I	Turbine Class I
Meter Capacity (gpm)	25	40	50	160	320	600	1,250	1,800
Meter Capacity Ratio	1.00	1.60	2.00	6.40	12.80	24.00	50.00	60.00
Meter Cost	427.40	563.87	750.96	1,358.86	1,782.38	3,184.03	5,475.49	9416.05
Meter Cost Ratio	1.00	1.32	1.76	3.18	4.17	7.45	12.81	22.03

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROJECTED USE PER UNIT

FILE: Stmboat_WW
 SCHEDULE: REV
 DATE: 09/01/10
 RANGE: PROJ_USE_UNIT

Customer Class	Historical Average*	Projected										
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
	kgals	kgals	kgals	kgals	kgals	kgals	kgals	kgals	kgals	kgals	kgals	
Inside City												
Residential	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
Commercial	18.51	18.51	18.51	18.51	18.51	18.51	18.51	18.51	18.51	18.51	18.51	18.51
Combined	5.61	5.61	5.61	5.61	5.61	5.61	5.61	5.61	5.61	5.61	5.61	5.61
Steamboat II												
Residential	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42
Commercial	22.33	22.33	22.33	22.33	22.33	22.33	22.33	22.33	22.33	22.33	22.33	22.33
Combined	?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mt. Werner												
Residential	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01
Commercial	47.16	47.16	47.16	47.16	47.16	47.16	47.16	47.16	47.16	47.16	47.16	47.16
Combined	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94
Tree Haus												
Residential	5.83	5.83	5.83	5.83	5.83	5.83	5.83	5.83	5.83	5.83	5.83	5.83
Commercial	?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Combined	?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
HISTORICAL USE PER UNIT**

**FILE: Stmboat_WW
SCHEDULE: REV
DATE: 09/01/10
RANGE: HIST_USEPERUNIT**

Customer Class	2008	2009	4-year Average	Use
	kgals	kgals	kgals	kgals
Inside City				
Residential	4.53	4.37	4.45	4.37
Commercial	18.99	18.51	18.74	18.51
Combined	3.21	5.61	5.56	5.61
Steamboat II				
Residential	5.33	4.42	4.87	4.42
Commercial	20.17	22.33	21.25	22.33
Combined	?	?	#N/A	?
Mt. Werner				
Residential	3.60	3.01	3.30	3.01
Commercial	49.69	47.16	48.45	47.16
Combined	9.03	6.94	7.94	6.94
Tree Haus				
Residential	5.36	5.83	5.59	5.83
Commercial	?	?	#N/A	?
Combined	?	?	#N/A	?

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
HISTORICAL USE PER BILL**

**FILE: Stmboat_WW
SCHEDULE: REV
DATE: 09/01/10
RANGE: IIST_USEPERBILL**

Customer Class	2008	2009	4-year Average	Use
	kgals	kgals	kgals	kgals
Inside City				
Residential	5.36	5.16	5.26	5.16
Commercial	19.00	18.53	18.76	18.53
Combined	2.96	16.84	15.91	16.84
Steamboat II				
Residential	2,130.80	1,795.02	1,962.91	1,795.02
Commercial	20.17	22.33	21.25	22.33
Combined	?	?	#N/A	?
Mt. Werner				
Residential	62,263.94	53,773.79	58,018.86	53,773.79
Commercial	15,129.41	13,794.96	14,462.18	13,794.96
Combined	8,515.26	7,089.39	7,802.32	7,089.39
Tree Haus				
Residential	?	?	#N/A	?
Commercial	589.23	641.25	615.24	641.25
Combined	?	?	#N/A	?

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
HISTORICAL USE BY CUSTOMER CLASS**

**FILE: Stmboat_WW
SCHEDULE: REV
DATE: 09/01/10
RANGE: HIST_USE**

Customer Class	2008	2009
	kgals	kgals
Inside City		
Residential	153,974	148,150
Commercial	71,539	70,621
Combined	154	12,127
Total Inside City	225,667	230,898
Steamboat II		
Residential	25,570	21,540
Commercial	242	268
Combined		
Total Steamboat II	25,812	21,808
Mt. Werner		
Residential	249,056	215,095
Commercial	60,518	55,180
Combined	34,061	28,358
Total Mt. Werner	343,634	298,633
Tree Haus		
Residential	7,071	7,695
Commercial		
Combined		
Total Tree Haus	7,071	7,695
Total System	602,184	559,034

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
HISTORICAL UNITS BY CUSTOMER CLASS**

**FILE: Stmboat_WW
SCHEDULE: REV
DATE: 09/01/10
RANGE: HIST_UNITS**

Customer Class	2008	2009
Inside City		
Residential	2,833	2,827
Commercial	314	318
Combined	4	180
Total Inside City	3,151	3,325
Steamboat II		
Residential	400	406
Commercial	1	1
Combined		
Total Steamboat II	401	407
Mt. Werner		
Residential	5,765	5,961
Commercial	102	98
Combined	315	341
Total Mt. Werner	6,181	6,399
Tree Haus		
Residential	110	110
Commercial		
Combined		
Total Tree Haus	110	110
Total System	9,842	10,241

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
HISTORICAL BILLS BY CUSTOMER CLASS**

**FILE: Stmboat_WW
SCHEDULE: REV
DATE: 09/01/10
RANGE: HIST_Bills**

Customer Class	2008	2009
Inside City		
Residential	28,751	28,718
Commercial	3,766	3,812
Combined	52	720
Total Inside City	32,569	33,250
Steamboat II		
Residential	12	12
Commercial	12	12
Combined		
Total Steamboat II	24	24
Mt. Werner		
Residential	4	4
Commercial	4	4
Combined	4	4
Total Mt. Werner	12	12
Tree Haus		
Residential	12	12
Commercial		
Combined		
Total Tree Haus	12	12
Total System	32,617	33,298

Appendix F - Wastewater Cost of Service



STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
REVENUE REQUIREMENTS
COST OF SERVICE ANALYSIS - 2013 TEST YEAR

FILE: Stmboat_WW
SCHEDULE: COS
DATE: 09/01/10
RANGE: COS_TY

Line No.	Description	2013 Test Year \$
Revenue Requirements		
	Operation & Maintenance Expense	
1	Current Operations	\$1,690,145
2	Total Operation & Maintenance Expense	1,690,145
Debt Service		
3	Existing	108,563
4	Proposed	277,209
Capital		
5	Non-Growth CIP	2,495,892
6	Total Capital Costs	2,881,664
7	Total Revenue Requirements	4,571,809
Operating Subfund Other Inflows / Outflows		
8	Meter Sales	(2,550)
9	Misc Chgs - Materials	(1,020)
10	Misc Chgs - Labor/Equip	(10,201)
11	Charges for Services	(4,591)
12	Interest	(15,636)
13	Bond / Loan Proceeds - Non Growth	(2,500,000)
14	Debt Service Reserve Deposit (New Debt)	220,141
15	Transfer to General Fund	180,442
16	Loan (To) Tap Fee Subfund	(435,000)
17	Total Operating Subfund Other Inflows / Outflows	(2,568,416)
18	Increase (Decrease) in Operating Reserves	1,156,144
19	Total Adjustments	(1,412,271)
20	Net Cost of Service	\$3,159,537

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 COST OF SERVICE VS REVENUE AT EXIST. RATES
 COST OF SERVICE ANALYSIS - 2013 TEST YEAR

FILE: Stmboat_WW
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_COMPCOS

Line No.	Customer Class	(1) 2013 Test Year Cost of Service	(2) 2013 Revenue at Existing Rates	(3) Indicated Revenue Increase
City				
1	Residential	\$1,172,477	\$940,585	24.65%
2	Commercial	467,879	454,954	2.84%
3	Combined	90,177	98,779	-8.71%
4	Total City	\$1,730,533	\$1,494,318	15.81%
Wholesale				
5	Steamboat II - Residential	\$151,401	\$34,396	340.17%
6	Steamboat II - Commercial	1,226	716	71.23%
7	Steamboat II - Combined	0	0	#N/A
8	Total Steamboat II	\$152,627	\$35,112	334.69%
9	Mt. Werner - Residential	\$833,381	\$781,161	6.68%
10	Mt. Werner - Commercial	275,237	152,620	80.34%
11	Mt. Werner - Combined	135,512	78,495	72.64%
12	Total Mt. Werner	\$1,244,130	\$1,012,276	22.90%
13	Tree Haus - Residential	\$32,253	\$13,979	130.72%
14	Total Wholesale	\$1,429,010	\$1,061,367	34.64%
15	Total System	\$3,159,543	\$2,555,685	23.63%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 ALLOCATION OF WATER SYSTEM ASSETS (1)
 COST OF SERVICE ANALYSIS - 2013 TEST YEAR

FILE: Stmboat_WW
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_PLTALLO

Line No.	Description	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
		Assets	CIP	Total	Volume	BOD	TSS	Collection Lines	Meters and Services	Inflow / Infiltration Customer	Billing
		\$		\$	\$	\$	\$	\$	\$	\$	\$
1	Treatment	\$ 20,395,981	1,919,479	\$ 22,315,459	\$ 4,593,550	\$ 6,694,638	\$ 6,694,638	\$ 0	\$ 0	\$ 4,332,634	\$ 0
Interceptor and Collection Lines (2)											
2	Interceptor	5,185,137	2,444,729	7,629,865	6,148,497	0	0	0	0	1,481,368	0
3	Collection Lines	4,279,369	4,963,260	9,242,630	5,137,480	0	0	2,310,657	0	1,794,493	0
4	Total Interceptor and Collection Lines	9,464,506	7,407,989	16,872,495	11,285,977	0	0	2,310,657	0	3,275,861	0
5	Steamboat II Lift Station	-	257,500	257,500	207,505	0	0	0	0	49,995	0
6	WSSA Lift Station	-	0	0	0	0	0	0	0	0	0
7	Subtotal of All Above	29,860,487	9,584,968	39,445,454	16,087,032	6,694,638	6,694,638	2,310,657	0	7,658,489	0
General Plant											
8	Miscellaneous / Admin	1,138,214	257,500	1,395,714	565,564	238,436	238,436	82,296	0	270,983	0
9	Total General Plant	1,138,214	257,500	1,395,714	565,564	238,436	238,436	82,296	0	270,983	0
10	Total Wastewater System Assets	\$30,998,701	\$9,842,468	\$40,841,169	\$16,652,596	\$6,933,073	\$6,933,073	\$2,392,954	\$0	\$7,929,472	\$0
11	<i>Percent of Total</i>			100.0%	40.8%	17.0%	17.0%	5.9%	0.0%	19.4%	0.0%
12	Annual Capital Costs			\$2,881,664	\$1,174,972	\$489,182	\$489,182	\$168,842	\$0	\$559,486	\$0
Allocation of Functions to Service Demand Categories											
13	Treatment			100.00%	20.58%	30.00%	30.00%			19.42%	
Sewer Lines											
15	Interceptor			100.00%	80.58%					19.42%	
16	Collection Lines			100.00%	55.58%			25.00%		19.42%	
17	Steamboat II Lift Station			100.00%	80.58%					19.42%	
18	WSSA Lift Station			100.00%	80.58%					19.42%	
19	Total Interceptor / Collector Lines										
General Plant											
20	Miscellaneous / Admin			100.00%	40.52%	17.08%	17.08%	5.90%	0.00%	19.42%	0.00%

(1) Existing wastewater system assets original cost by functional designation.

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CAPITAL IMPROVEMENT PROJECTS
 CUMULATIVE CIP BY FUNCTION CONSTRUCTED - INFLATED \$'s

FILE: Stmboat_WW
 SCHEDULE: CIP
 DATE: 09/01/10
 RANGE: CIP_CUM

Line No.	DESCRIPTION	Function	Estimated	Projected								Test Year	
			2010	2011	2012	2013	2014	2015	2016	2017	2018		2019
1	Non-Growth Related												
2	Treatment and Disposal	1	\$ 885,000	\$ 1,486,262	\$ 1,697,587	\$ 1,919,479	\$ 2,152,465	\$ 2,397,100	\$ 2,653,967	\$ 2,923,678	\$ 3,206,874	\$ 3,504,230	\$ 1,919,479
3	Interceptor	2	17,500	424,700	506,328	976,200	1,041,764	1,109,294	1,981,068	2,878,996	3,803,861	4,756,472	976,200
4	Collection System	3	1,314,450	2,077,800	3,280,075	4,963,260	6,730,605	8,586,318	10,534,816	12,580,738	14,728,957	16,984,587	4,963,260
5	Steamboat II Lift Station	4	-	-	257,500	257,500	257,500	257,500	257,500	257,500	257,500	257,500	257,500
6	Misc. / Admin	5	299,440	463,440	580,860	701,803	701,803	735,568	735,568	735,568	735,568	735,568	701,803
7	City Lift Station	6	-	-	-	-	-	-	-	-	-	-	0
8	Subtotal		2,516,390	4,452,202	6,322,350	8,818,242	10,884,136	13,085,780	16,162,919	19,376,479	22,732,759	26,238,357	8,818,242
9	Growth-Related												
10	Treatment and Disposal	1	-	-	-	-	109,273	109,273	109,273	407,786	3,580,860	4,024,230	0
11	Interceptor	2	32,500	677,300	714,123	1,468,528	1,468,528	1,468,528	2,270,746	3,097,030	3,948,103	4,824,708	1,468,528
12	Collection System	3	-	-	-	-	-	-	-	-	-	-	0
13	Steamboat II Lift Station	4	-	-	-	-	-	-	-	-	-	-	0
14	Misc. / Admin	5	-	-	-	-	-	-	-	-	-	-	0
15	City Lift Station	6	-	-	-	-	-	-	-	-	-	848,736	0
16	Subtotal		32,500	677,300	714,123	1,468,528	1,577,801	1,577,801	2,380,019	3,504,816	7,528,963	9,697,674	1,468,528
17	Non-Growth and Growth-Related												
18	Treatment and Disposal	1	885,000	1,486,262	1,697,587	1,919,479	2,261,738	2,506,373	2,763,240	3,331,463	6,787,734	7,528,460	1,919,479
19	Interceptor	2	50,000	1,102,000	1,220,450	2,444,729	2,510,292	2,577,823	4,251,815	5,976,026	7,751,964	9,581,180	2,444,729
20	Collection System	3	1,314,450	2,077,800	3,280,075	4,963,260	6,730,605	8,586,318	10,534,816	12,580,738	14,728,957	16,984,587	4,963,260
21	Steamboat II Lift Station	4	-	-	257,500	257,500	257,500	257,500	257,500	257,500	257,500	257,500	257,500
22	Misc. / Admin	5	299,440	463,440	580,860	701,803	701,803	735,568	735,568	735,568	735,568	735,568	701,803
23	City Lift Station	6	-	-	-	-	-	-	-	-	-	848,736	0
24	Total		\$ 2,548,890	\$ 5,129,502	\$ 7,036,472	\$ 10,286,770	\$ 12,461,938	\$ 14,663,581	\$ 18,542,938	\$ 22,881,295	\$ 30,261,722	\$ 35,936,030	\$ 10,286,770

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
WATER SYSTEM ASSET SUMMARY

FILE: Stmboat_WW
SCHEDULE: COS
DATE: 09/01/10
RANGE: ASSET_SUM

Function Code	Functional Category	Asset Count	Original Cost	RCN
1	Treatment and Disposal	26	\$ 20,395,981	\$ 31,407,831
2	Interceptor	12	5,185,137	8,530,612
3	Local Collection	45	4,279,369	8,266,473
4	Steamboat II Lift Station	0	0	0
5	Miscellaneous / Admin	12	1,138,214	1,280,569
6	City Lift Station	0	0	0
Total			<u>\$ 30,998,701</u>	<u>\$ 49,485,485</u>

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 O&M ALLOCATIONS TO FUNCTIONAL COSTS
 COST OF SERVICE ANALYSIS - 2013 TEST YEAR

FILE: Stmboat_WW
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_OMFUNC

Line No.	Description	(1)	(2)	(3)	(4)	(5)	(6)
		Total	Treatment	Interceptor	Collection	Meter Services	Administration
1	Wastewater Treatment	\$ 1,099,434	\$ 1,099,434	\$ -	\$ -	\$ -	\$ -
2	Wastewater Collection	277,826	0	105,574	172,252	0	0
3	WW Meter Reading/Billing	103,369	0	0	0	51,684	51,684
4	Wastewater Administration	209,516	155,575	14,939	24,374	7,314	7,314
5	Total O&M	\$ 1,690,145	\$ 1,255,010	\$ 120,513	\$ 196,626	\$ 58,998	\$ 58,998
Allocations to Functions							
6	Wastewater Treatment	100.0%	100.00%				
7	Wastewater Collection	100.0%		38.00%	62.00%		
8	WW Meter Reading/Billing	100.0%				50.00%	50.00%
9	Wastewater Administration	100.0%	74.25%	7.13%	11.63%	3.49%	3.49%
10	Weighted Average	100.0%	74.25%	7.13%	11.63%	3.49%	3.49%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 ALLOCATION OF OPERATION AND MAINTENANCE EXPENSE
 COST OF SERVICE ANALYSIS - 2013 TEST YEAR

FILE: Stmboat_WW
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_OMALLO

Line No.	Description	(1)	(2)	(3)	(4)	Customer			(8)	
		Total	Volume	BOD	TSS	Local Collection Lines	Meters and Services	Inflow / Infiltration Customer	Billing/ Customer Service	
		\$	\$	\$	\$	\$	\$	\$	\$	
1	Treatment	100.00%	20.58%	30.00%	30.00%			19.42%		
2	Interceptor	100.00%	80.58%					19.42%		
3	Collection	100.00%	30.58%			50.00%		19.42%		
4	Meters & Services	100.00%	0.00%				50.00%		50.00%	
5	Administration	100.00%	25.48%	23.08%	23.08%	6.03%	1.81%	18.71%	1.81%	
6	Treatment	\$1,255,010	\$258,339	\$376,503	\$376,503	\$0	\$0	\$243,665	\$0	
7	Interceptor	120,513	97,115	0	0	0	0	23,398	0	
8	Collection	196,626	60,137	0	0	98,313	0	38,176	0	
9	Meters & Services	58,998	0	0	0	0	29,499	0	29,499	
10	Administration	58,998	15,032	13,618	13,618	3,556	1,067	11,040	1,067	
11	Total Operation and Maintenance Expense	\$1,690,145	\$430,623	\$390,121	\$390,121	\$101,869	\$30,566	\$316,279	\$30,566	
12	<i>Percent of Total</i>	<i>100.0%</i>	<i>25.48%</i>	<i>23.08%</i>	<i>23.08%</i>	<i>6.03%</i>	<i>1.81%</i>	<i>18.71%</i>	<i>1.81%</i>	
Total O&M Excluding Administration										
13	<i>Amount</i>	\$1,631,147	\$415,591	\$376,503	\$376,503	\$98,313	\$29,499	\$305,239	\$29,499	
14	<i>Percent</i>	<i>100.00%</i>	<i>25.48%</i>	<i>23.08%</i>	<i>23.08%</i>	<i>6.03%</i>	<i>1.81%</i>	<i>18.71%</i>	<i>1.81%</i>	

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 ALLOCATION OF ADJUSTMENTS TO REVENUE REQUIREMENTS
 COST OF SERVICE ANALYSIS - 2013 TEST YEAR

FILE: Stmboat_WW
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_REVADJ

Line No.	Description	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Total	Volume	BOD	TSS	Local Collection Lines	Meters and Services	Inflow / Infiltration Customer	Billing/ Customer Service
		\$	\$	\$	\$	\$	\$		\$
1	Meter Sales	(2,550)	(650)	(589)	(589)	(154)	(46)	(477)	(46)
2	Misc Chgs - Materials	(1,020)	(260)	(235)	(235)	(61)	(18)	(191)	(18)
3	Misc Chgs - Labor/Equip	(10,201)	(2,599)	(2,355)	(2,355)	(615)	(184)	(1,909)	(184)
4	Charges for Services	(4,591)	(1,170)	(1,060)	(1,060)	(277)	(83)	(859)	(83)
5	Interest	(15,636)	(6,375)	(2,654)	(2,654)	(916)	0	(3,036)	0
6	Bond / Loan Proceeds - Non Growth	(2,500,000)	(1,019,351)	(424,392)	(424,392)	(146,479)	0	(485,385)	0
7	Debt Service Reserve Deposit (New Debt)	220,141	89,760	37,370	37,370	12,898	0	42,741	0
8	Transfer to General Fund	180,442	73,573	30,631	30,631	10,572	0	35,033	0
9	Loan (To) Tap Fee Subfund	(435,000)	(177,367)	(73,844)	(73,844)	(25,487)	0	(84,457)	0
10	Increase (Decrease) in Operating Reserves	1,156,144	471,407	196,264	196,264	67,740	0	224,470	0
11	Total	(1,412,271)	(573,032)	(240,864)	(240,864)	(82,778)	(332)	(274,069)	(332)
12	Weighted Average Percent - Adjustment to Revenue Requirements		40.6%	17.1%	17.1%	5.9%	0.0%	19.4%	0.0%
13	Allocation to Service Categories								
14	Meter Sales	O&M	25.48%	23.08%	23.08%	6.03%	1.81%	18.71%	1.81%
15	Misc Chgs - Materials	O&M	25.48%	23.08%	23.08%	6.03%	1.81%	18.71%	1.81%
16	Misc Chgs - Labor/Equip	O&M	25.48%	23.08%	23.08%	6.03%	1.81%	18.71%	1.81%
17	Charges for Services	O&M	25.48%	23.08%	23.08%	6.03%	1.81%	18.71%	1.81%
18	Interest	Capital	40.77%	16.98%	16.98%	5.86%	0.00%	19.42%	0.00%
19	Bond / Loan Proceeds - Non Growth	Capital	40.77%	16.98%	16.98%	5.86%	0.00%	19.42%	0.00%
20	Debt Service Reserve Deposit (New Debt)	Capital	40.77%	16.98%	16.98%	5.86%	0.00%	19.42%	0.00%
21	Transfer to General Fund	Capital	40.77%	16.98%	16.98%	5.86%	0.00%	19.42%	0.00%
22	Loan (To) Tap Fee Subfund	Capital	40.77%	16.98%	16.98%	5.86%	0.00%	19.42%	0.00%
23	Increase (Decrease) in Operating Reserves	Capital	40.77%	16.98%	16.98%	5.86%	0.00%	19.42%	0.00%

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 DEVELOPMENT OF INFILTRATION/INFLOW (I/I)
 COST OF SERVICE ANALYSIS - 2013 TEST YEAR

FILE: Stmboat_WW
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_FLOW

Line	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
No.	Customer Class	Accounts	Billed Volume	Customer Related (1)	Volume Related (1)	Total I/I	Total Flow (Billed Vol and Volume Related I/I)	Total Treated Volume	Percent I/I
Inside City									
1	Residential	2,468	152,814	68,296	44,882	113,178	197,696	265,992	43%
2	Commercial	328	72,842	9,077	21,394	30,470	94,236	103,312	29%
3	Combined	61	12,531	1,688	3,680	5,368	16,211	17,899	30%
4	Total Inside City	2,857	238,187	79,060	69,956	149,017	308,143	387,204	38%
Steamboat II									
5	Residential	406	21,540	38,031	19,969	58,000	41,509	79,540	73%
6	Commercial	1	268	32	85	117	353	385	30%
7	Combined	0	0	0	0	0	0	0	#DIV/0!
8	Total Steamboat II (2)	407	21,808	38,063	20,055	58,117	41,863	79,925	73%
Mt. Werner									
9	Residential	2,141	221,807	59,247	65,145	124,392	286,952	346,199	36%
10	Commercial	112	57,161	3,099	16,788	19,888	73,949	77,049	26%
11	Combined	10	29,232	277	8,586	8,862	37,818	38,094	23%
12	Total Mt. Werner	2,263	308,200	62,623	90,519	153,142	398,719	461,342	33%
Tree Haus									
13	Residential	110	7,695	3,044	2,260	5,304	9,955	12,999	41%
14	Commercial	0	0	0	0	0	0	0	#DIV/0!
15	Combined	0	0	0	0	0	0	0	#DIV/0!
16	Total Tree Haus	110	7,695	3,044	2,260	5,304	9,955	12,999	41%
17	Total	5,637	575,890	182,790	182,790	365,580	758,680	941,470	39%

(1) 50% of I/I assumed to be customer related. 50% assumed to be volume related.

(2) Wastewater flow meter shows approximately 80 million gallons of wastewater to the City treatment plant.

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 ESTIMATED UNITS OF SERVICE
 COST OF SERVICE ANALYSIS - 2013 TEST YEAR

FILE: Stmboat_WW
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_SERVUNITS

Line No.	Customer Class	(1) Billed kgal	(2) Flow Volume I/ kgal	(3) Total kgal	(4) BOD Strength mg / l	(5) Pounds lbs	(6) TSS Strength mg / l	(7) Pounds lbs	(8) Units	(9) Customer I/ kgal	(10) Bills	(11) Eq. Meters (Meter Cap.)	(12) Eq. Meters (Meter Cost)
Inside City													
1	Residential	152,814	44,882	197,696	250	318,617	250	318,617	2,916	68,296	29,614	2,542	2,631
2	Commercial	72,842	21,394	94,236	409	248,545	486	295,090	328	9,077	3,932	444	608
3	Combined	12,531	3,680	16,211	409	42,757	486	50,764	186	1,688	743	106	164
4	Total Inside City	238,187	69,956	308,143		609,919		664,471	3,430	79,060	34,289	3,092	3,403
Steamboat II													
5	Residential	21,540	19,969	41,509	250	44,911	250	44,911	406	38,031	12	22	60
6	Commercial	268	85	353	409	914	486	1,086	1	32	12	0	0
7	Combined	0	0	0	409	0	486	0	0	0	0	0	0
8	Total Steamboat II (2)	21,808	20,055	41,863		45,825		45,997	407	38,063	24	22	60
Mt. Werner													
9	Residential	221,807	65,145	286,952	250	462,468	250	462,468	6,147	59,247	4	0	1
10	Commercial	57,161	16,788	73,949	409	195,040	486	231,564	101	3,099	4	1	1
11	Combined	29,232	8,586	37,818	409	99,743	486	118,421	351	277	4	2	6
12	Total Mt. Werner	308,200	90,519	398,719		757,250		812,453	6,599	62,623	12	3	8
Tree Haus													
13	Residential	7,695	2,260	9,955	250	16,044	250	16,044	110	3,044	12	1	1
14	Commercial	0	0	0	409	0	486	0	0	0	0	0	0
15	Combined	0	0	0	409	0	486	0	0	0	0	0	0
16	Total Tree Haus	7,695	2,260	9,955		16,044		16,044	110	3,044	12	1	1
17	Total	575,890	182,790	758,680		1,429,039		1,538,965	10,546	182,790	34,337	3,118	3,472

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 DEVELOPMENT OF UNIT COSTS OF SERVICE
 COST OF SERVICE ANALYSIS - 2013 TEST YEAR

FILE: Stmboat_WW
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_ULTEXTS

Line No.	Description	(1)	(2)	(3)	(4)	(6)			(8)
		Total	Flow	BOD	TSS	Local Collection Lines	Meters and Services	Inflow / Infiltration Customer	Billing/ Customer Service
		\$	\$	\$	\$	\$	\$	\$	\$
Revenue Requirements - \$									
1	Treatment	\$1,255,010	\$258,339	\$376,503	\$376,503	\$0	\$0	\$243,665	\$0
2	Interceptor	120,513	97,115	0	0	0	0	23,398	0
3	Collection	196,626	60,137	0	0	98,313	0	38,176	0
4	Meters & Services	58,998	0	0	0	0	29,499	0	29,499
5	Administration	58,998	15,032	13,618	13,618	3,556	1,067	11,040	1,067
6	Total Operating Costs	1,690,145	430,623	390,121	390,121	101,869	30,566	316,279	30,566
7	Treatment	1,574,530	324,111	472,359	472,359	0	0	305,701	0
8	Interceptor	538,347	433,825	0	0	0	0	104,522	0
9	Collection Lines	652,140	362,489	0	0	163,035	0	126,615	0
10	Steamboat II Lift Station	18,169	14,641	0	0	0	0	3,528	0
11	WSSA Lift Station	0	0	0	0	0	0	0	0
12	Miscellaneous / Admin	98,479	39,905	16,823	16,823	5,807	0	19,120	0
13	Total Capital Costs	2,881,664	1,174,971	489,182	489,182	168,842	0	559,486	0
14	Treatment	2,829,540	582,450	848,862	848,862	0	0	549,366	0
15	Interceptor	658,860	530,939	0	0	0	0	127,920	0
16	Collection	848,766	422,627	0	0	261,348	0	164,791	0
17	Meters & Services	58,998	0	0	0	0	29,499	0	29,499
18	Steamboat II Lift Station	18,169	14,641	0	0	0	0	3,528	0
19	WSSA Lift Station	0	0	0	0	0	0	0	0
18	Administration	157,477	54,937	30,441	30,441	9,363	1,067	30,160	1,067
20	Total Revenue Requirements	4,571,809	1,605,594	879,303	879,303	270,711	30,566	875,765	30,566
21	Adjustment to Revenue Requirements	(1,412,271)	(573,032)	(240,864)	(240,864)	(82,778)	(332)	(274,069)	(332)
22	Net Cost of Service	3,159,537	1,032,562	638,439	638,439	187,933	30,234	601,696	30,234
23	All Customer Costs	3,046,014	637,386	879,303	879,303	9,363	30,566	579,527	30,566
24	Interceptor	658,860	530,939	0	0	0	0	127,920	0
25	Steamboat II Lift Station	18,169	14,641	0	0	0	0	3,528	0
26	City Only	848,766	422,627	0	0	261,348	0	164,791	0
27	Total Revenue Requirements	4,571,809	1,605,594	879,303	879,303	270,711	30,566	875,765	30,566
28	All Customer Costs	(940,940)	(381,788)	(160,478)	(160,478)	(55,152)	(221)	(182,601)	(221)
29	Interceptor	(203,527)	(82,582)	(34,712)	(34,712)	(11,929)	(48)	(39,497)	(48)
30	Steamboat II Lift Station	(5,612)	(2,277)	(957)	(957)	(329)	(1)	(1,089)	(1)
31	City Only	(262,191)	(106,385)	(44,717)	(44,717)	(15,368)	(62)	(50,882)	(62)
32	Adjustment to Revenue Requirements	(1,412,271)	(573,032)	(240,864)	(240,864)	(82,778)	(332)	(274,069)	(332)
33	All Customer Costs	2,105,074	255,598	718,825	718,825	(45,789)	30,345	396,925	30,345
34	Interceptor	455,332	448,358	(34,712)	(34,712)	(11,929)	(48)	88,423	(48)
35	Steamboat II Lift Station	12,556	12,364	(957)	(957)	(329)	(1)	2,438	(1)
36	City Only	586,575	316,242	(44,717)	(44,717)	245,980	(62)	113,910	(62)
37	Net Cost of Service	\$3,159,537	\$1,032,562	\$638,439	\$638,439	\$187,933	\$30,234	\$601,696	\$30,234
38	Units of Service								
39	All Customer Costs		758,680	1,429,039	1,538,965	10,546	3,472	182,790	34,337
40	Interceptor		716,818	1,383,214	1,492,968	10,139	3,412	144,727	34,313
41	Steamboat II Lift Station		41,863	45,825	45,997	407	60	38,063	24
42	City Only		308,143	609,919	664,471	3,430	3,403	79,060	34,289
43	Unit Costs of Service								
44	All Customer Costs		\$0.337	\$0.503	\$0.467	(\$4.342)	\$8.740	\$2.171	\$0.884
45	Interceptor		0.625	(0.025)	(0.023)	(1.177)	(0.014)	0.611	(0.001)
46	Steamboat II Lift Station		0.295	(0.021)	(0.021)	(0.808)	(0.022)	0.064	(0.055)
47	City Only		1.026	(0.073)	(0.067)	71.714	(0.018)	1.441	(0.002)
48	City Customers		1.989	0.405	0.377	66.196	8.708	4.223	0.881
49	Steamboat II		0.632	0.482	0.446	(5.150)	8.718	2.236	0.829
50	Mt. Werner / Tree H: All Costs Excluding Collection and S II Lift Station		0.962	0.478	0.444	(5.518)	8.726	2.782	0.882

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 SEPTAGE HAULER RATE DEVELOPMENT

FILE: Stmboat_WW
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_SEPTAGE

Line No.	Description	(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)
		Total	Flow	BOD	TSS	Local Distribution Lines	Meters and Services	Inflow / Infiltration Customer	Billing/ Customer Service
1	Treatment	\$2,829,540	\$582,450	\$848,862	\$848,862	\$0	\$0	\$549,366	\$0
2	All Customer Costs	3,046,014	637,386	879,303	879,303	9,363	30,566	579,527	30,566
3	Percent	92.9%	91.4%	96.5%	96.5%	0.0%	0.0%	94.8%	0.0%
4	Total Adjustment to Revenue Requirements	(940,940)	(381,788)	(160,478)	(160,478)	(55,152)	(221)	(182,601)	(221)
5	Percent of Total Adjment to Rev. Req.	(831,825)	(348,882)	(154,922)	(154,922)	0	0	(173,098)	0
6	Treatment Cost	2,829,540	582,450	848,862	848,862	0	0	549,366	0
7	Adjustment to Rev. Req. - Treatment	(831,825)	(348,882)	(154,922)	(154,922)	0	0	(173,098)	0
8	Adjusted Treatment Cost	\$1,997,715	\$233,568	\$693,939	\$693,939	\$0	\$0	\$376,268	\$0
9	Treatment Customer Costs - Units of Service		758,680	1,429,039	1,538,965	10,546	3,472	182,790	34,337
10	Unit Cost - Treatment		\$0.308	\$0.486	\$0.451	\$0.000	\$0.000	\$2.058	\$0.000
11	Units		Kgal	mg / l	mg / l				
12	Units of Service - Septage Hauler (1)		1	4,000	4,000				
13	Units of Service - Septage Hauler per 1,000 gallon		1.00	33.36	33.36			0.00	
14	Unit Cost		\$0.308	\$0.486	\$0.451	\$0.000	\$0.000	\$2.058	\$0.000
15	Cost per kgal	\$31,550	\$0.308	\$16.200	\$15.042	\$0.000	\$0.000	\$0.000	
16	Cost per gallon	0.0315							
17	Surcharge for Dump Station Recovery (2)	0.0033							
18	Total Rate per gallon	\$0.0349							

(1) Septage Hauler customer strength per City staff.

(2) \$40,000 Septage Hauler Dump Station amortized over 20 years for annual recovery spread over 600,000 gallons or 2009 Septage Hauler discharges

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 DISTRIBUTION OF COSTS TO CUSTOMER CLASSES - INSIDE CITY
 COST OF SERVICE ANALYSIS - 2013 TEST YEAR

FILE: Stmboat_WW
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_CUST_ALLOC_CT

Line No.	Customer Class	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Total	Flow	BOD	TSS	Local Collection Lines	Meters and Services	Inflow / Infiltration Customer	Billing/ Customer Service
1	Unit Costs of Service - \$/unit		\$1.989	\$0.405	\$0.377	\$66.196	\$8.708	\$4.223	\$0.881
	Residential								
2	Units		197,696	318,617	318,617	2,916	2,631	68,296	29,614
3	Cost of Service - \$	\$1,172,477	\$393,151	\$128,913	\$119,971	\$193,027	\$22,910	\$288,429	\$26,076
	Commercial								
4	Units		94,236	248,545	295,090	328	608	9,077	3,932
5	Cost of Service - \$	\$467,879	\$187,404	\$100,562	\$111,112	\$21,712	\$5,294	\$38,333	\$3,462
	Combined								
6	Units		16,211	42,757	50,764	186	164	1,688	743
7	Cost of Service - \$	\$90,177	\$32,239	\$17,300	\$19,115	\$12,312	\$1,428	\$7,129	\$654
8	Total City - \$	\$1,730,533	\$612,794	\$246,775	\$250,198	\$227,051	\$29,632	\$333,891	\$30,192

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 DISTRIBUTION OF COSTS TO STEAMBOAT II
 COST OF SERVICE ANALYSIS - 2013 TEST YEAR

FILE: Stmboat_WW
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_CUST_ALLOC_SI

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
					Customer				
Line No.	Customer Class	Total	Flow	BOD	TSS	Local Collection Lines	Meters and Services	Inflow / Infiltration Customer	Billing/ Customer Service
1	Unit Costs of Service - \$/unit		\$0.632	\$0.482	\$0.446	(\$5.150)	\$8.718	\$2.236	\$0.829
	Steamboat II - Residential								
2	Units		41,509	44,911	44,911	406	60	38,031	12
3	Cost of Service - \$	\$151,401	\$26,244	\$21,653	\$20,043	(\$2,091)	\$523	\$85,019	\$10
	Steamboat II - Commercial								
4	Units		353	914	1,086	1	0	32	12
5	Cost of Service - \$	\$1,226	\$223	\$441	\$485	(\$5)	\$0	\$72	\$10
	Steamboat II - Combined								
6	Units		0	0	0	0	0	0	0
7	Cost of Service - \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	Total Steamboat II - \$	\$152,627	\$26,467	\$22,094	\$20,528	(\$2,096)	\$523	\$85,091	\$20

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 DISTRIBUTION OF COSTS TO MT. WERNER
 COST OF SERVICE ANALYSIS - 2013 TEST YEAR

FILE: Stmboat_WW
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_CUST_ALLOC_MW

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
					Customer				
Line No.	Customer Class	Total	Flow	BOD	TSS	Local Collection Lines	Meters and Services	Inflow / Infiltration Customer	Billing/ Customer Service
1	Unit Costs of Service - \$/unit		\$0.962	\$0.478	\$0.444	(\$5,518)	\$8,726	\$2,782	\$0.882
	Mt. Werner - Residential								
2	Units		286,952	462,468	462,468	6,147	1	59,247	4
3	Cost of Service - \$	\$833,381	\$276,158	\$221,022	\$205,259	(\$33,922)	\$9	\$164,851	\$4
	Mt. Werner - Commercial								
4	Units		73,949	195,040	231,564	101	1	3,099	4
5	Cost of Service - \$	\$275,237	\$71,168	\$93,213	\$102,776	(\$557)	\$9	\$8,624	\$4
	Mt. Werner - Combined								
6	Units		37,818	99,743	118,421	351	6	277	4
7	Cost of Service - \$	\$135,512	\$36,395	\$47,669	\$52,559	(\$1,937)	\$52	\$770	\$4
8	Total Mt. Werner	\$1,244,130	\$383,721	\$361,904	\$360,594	(\$36,416)	\$70	\$174,245	\$12

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 DISTRIBUTION OF COSTS TO TREE HAUS
 COST OF SERVICE ANALYSIS - 2013 TEST YEAR

FILE: Stmboat_WW
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_CUST_ALLOC_TH

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
					Customer				
Line No.	Customer Class	Total	Flow	BOD	TSS	Local Collection Lines	Meters and Services	Inflow / Infiltration Customer	Billing/ Customer Service
1	Unit Costs of Service - \$/unit		\$0.962	\$0.478	\$0.444	(\$5.518)	\$8.726	\$2.782	\$0.882
2	Tree Haus - Residential Units		9,955	16,044	16,044	110	1	3,044	12
3	Cost of Service - \$	\$32,253	\$9,581	\$7,668	\$7,121	(\$607)	\$9	\$8,470	\$11
4	Tree Haus - Commercial Units		0	0	0	0	0	0	0
5	Cost of Service - \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Tree Haus - Combined Units		0	0	0	0	0	0	0
7	Cost of Service - \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	Total Tree Haus	\$32,253	\$9,581	\$7,668	\$7,121	(\$607)	\$9	\$8,470	\$11

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 DISTRIBUTION OF COSTS TO CUSTOMER CLASSES - SUMMARY
 COST OF SERVICE ANALYSIS - 2013 TEST YEAR

FILE: Stmboat_WW
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: COS_CUST_ALLOC_SUM

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
					Customer				
Line No.	Customer Class	Total	Flow	BOD	TSS	Local Collection Lines	Meters and Services	Inflow / Infiltration Customer	Billing/ Customer Service
Total Costs									
1	City	\$1,730,533	\$612,794	\$246,775	\$250,198	\$227,051	\$29,632	\$333,891	\$30,192
2	Steamboat II	152,627	26,467	22,094	20,528	(2,096)	523	85,091	20
3	Mt. Werner	1,244,130	383,721	361,904	360,594	(36,416)	70	174,245	12
4	Tree Haus	32,253	9,581	7,668	7,121	(607)	9	8,470	11
5	Total System	\$3,159,543	\$1,032,563	\$638,441	\$638,441	\$187,932	\$30,234	\$601,697	\$30,235

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 WWTP PLANT LOADINGS

FILE: Stmboat_WW
 SCHEDULE: COS
 DATE: 09/01/10
 RANGE: LOADINGS

Line No.	Year	Flow - MGD	Annual Average - Mg / L			Influent Loadings - Pounds per Day			Influent Loadings - Annual Pounds		
			BOD	TSS	NH3-N	BOD	TSS	NH3-N	BOD	TSS	NH3-N
	2007	2.412	218.0	231.0	26.3	4,385	4,647	529	1,600,636	1,696,087	193,104
	2008	2.733	213.0	211.0	27.1	4,855	4,809	618	1,772,059	1,755,420	225,459
	2009	2.507	182.0	196.0	22.5	3,805	4,098	470	1,388,944	1,495,786	171,710
	Use	2.507	182.0	196.0	22.5	3,805	4,098	470	1,388,944	1,495,786	171,710

**Appendix G - Wastewater Rates
2011, 2012 and 2013**



STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
RETAIL 2011, 2012 & 2013 WASTEWATER RATES

FILE: Stmboat_WW
SCHEDULE: MULTI_YR
DATE: 09/01/10
RANGE: MULTI1

	Existing	Retail Customer Rates		
	2010	2011	2012	2013
Monthly Service Charge - City				
Residential	\$26.88	\$29.25	\$31.26	\$33.10
Commercial	23.61	24.65	25.53	26.35
Combined	23.61	24.65	25.53	26.35
Volume Rate per 1,000 gallons				
Residential	0.00	0.00	0.00	0.00
Commercial	4.97	4.98	4.99	5.00
Combined	4.97	4.98	4.99	5.00
Septage Haulers Rate per gallon	\$0.020	\$0.026	\$0.031	\$0.035

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 WHOLESALE 2011, 2012 & 2013 WASTEWATER RATES

FILE: Stmboat_WW
 SCHEDULE: MULTI_YR
 DATE: 09/01/10
 RANGE: MULTI2

	Existing	Wholesale Customer Rates		
	2010	2011	2012	2013
Monthly Service Charge - Steamboat II				
Residential	\$7.06	\$16.22	\$23.98	\$31.10
Commercial	0.00	0.00	0.00	0.00
Volume Rate per 1,000 gallons - Steamboat II				
Residential	0.00	0.00	0.00	0.00
Commercial	2.67	3.41	4.03	4.60
Combined	2.67	3.41	4.03	4.60
Monthly Service Charge - Mt. Werner				
Residential	10.59	10.84	11.05	11.25
Commercial	0.00	0.00	0.00	0.00
Combined	10.59	10.84	11.05	11.25
Volume Rate per 1,000 gallons - Mt. Werner				
Residential	0.00	0.00	0.00	0.00
Commercial	2.67	3.48	4.16	4.79
Combined	2.67	3.48	4.16	4.79
Monthly Service Charge - Tree Haus				
Residential	\$10.59	\$15.87	\$20.35	\$24.45

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 CUSTOMER BILL IMPACT

FILE: Stmboat_WW
 SCHEDULE: BILLIMP2
 DATE: 09/01/10
 RANGE: BILLIMP2

Customer Classification	Monthly Use kgal	Current \$	Typical Bills by Customer Class					
			2011		2012		2013	
			\$	%	\$	%	\$	%
Inside City - Residential		\$26.88	\$29.25	8.8%	\$31.26	6.9%	\$33.10	5.9%
Inside City - Commercial	9	68.34	69.47	1.7%	70.44	1.4%	71.35	1.3%
	18	113.07	114.29	1.1%	115.35	0.9%	116.35	0.9%
	27	157.80	159.11	0.8%	160.26	0.7%	161.35	0.7%
Wholesale Customers								
Steamboat II - Residential		7.06	16.22	129.7%	23.98	47.8%	31.10	29.7%
Steamboat II - Commercial	20	53.40	68.20	27.7%	80.60	18.2%	92.00	14.1%
Mt. Werner - Residential		10.59	10.84	2.4%	11.05	1.9%	11.25	1.8%
Mt. Werner - Commercial	52	138.84	180.96	30.3%	216.32	19.5%	249.08	15.1%
Tree Haus - Residential		10.59	15.87	49.9%	20.35	28.2%	24.45	20.1%

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PROPOSED FY 2009-10 RATES
CHARGES BY CLASS

FILE: Stmboat_WW
SCHEDULE: RATE - ALT 1
DATE: 09/01/10
RANGE: ALT1_CTY_RES

Inside City - Residential

Total Class Cost of Service

\$

1,172,477

	<u>Units</u>	Monthly Service Charge \$	<u>Revenue</u> \$	
	2,916	\$33.10	1,158,235	
Total	<u>2,916</u>		<u>1,158,235</u>	<u>1,158,235</u>
Revenue Surplus (Deficiency)				(14,242)

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PROPOSED FY 2009-10 RATES
CHARGES BY CLASS

FILE: Stmboat_WW
SCHEDULE: RATE - ALT 1
DATE: 09/01/10
RANGE: ALT1_CTY_COM

Inside City - Commercial

<u>Total Class Cost of Service</u>	<u>\$</u>
	467,879

	<u>Units</u>	<u>Monthly Service Charge</u>	<u>Revenue</u>	
		\$	\$	
	328	\$26.35	103,714	
Total	<u><u>328</u></u>		<u><u>103,714</u></u>	<u>103,714</u>

Volume Rate Revenue Required	<u>364,165</u>
-------------------------------------	-----------------------

Calculated Volume Rate (\$ per CF)

	<u>Volume</u>	<u>Volume Rate</u>	<u>Rate Revenue</u>	
Total	<u><u>72,842</u></u>	\$5.00	<u><u>364,210</u></u>	364,210

Total Revenue	467,924
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Revenue Surplus (Deficiency)	45
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**STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROPOSED FY 2009-10 RATES
 Test Year 2013**

**FILE: Stmboat_WW
 SCHEDULE: RATE - ALT 1
 DATE: 09/01/10
 RANGE: ALT1_CTY_COB**

Inside City - Combined

<u>Total Class Cost of Service</u>	<u>\$ 90,177</u>
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	<u>Units</u>	<u>Monthly Service Charge</u> \$	<u>Revenue</u> \$	
	186	26.35	58,813	
Total	<u><u>186</u></u>		<u><u>58,813</u></u>	<u>58,813</u>

Volume Rate Revenue Required	<u><u>31,364</u></u>
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Calculated Volume Rate (\$ per CF)

	<u>Volume</u>	<u>Volume Rate</u>	<u>Rate Revenue</u>	
Total	<u><u>12,531</u></u>	<u><u>\$5.00</u></u>	<u><u>46,360</u></u>	<u><u>46,360</u></u>

Total Revenue	105,173
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Revenue Surplus (Deficiency)	14,996
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STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PROPOSED FY 2009-10 RATES
CHARGES BY CLASS

FILE: Stmboat_WW
SCHEDULE: RATE - ALT 1
DATE: 09/01/10
RANGE: ALT1_SII_RES

Steamboat II - Residential

Total Class Cost of Service

\$

151,401

	<u>Units</u>	<u>Monthly Service Charge</u> \$	<u>Revenue</u> \$	
	406	\$31.10	151,519	
Total	<u>406</u>		<u>151,519</u>	151,519

Revenue Surplus (Deficiency)

118

**STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROPOSED FY 2009-10 RATES
 CHARGES BY CLASS**

**FILE: Stmboat_WW
 SCHEDULE: RATE - ALT 1
 DATE: 09/01/10
 RANGE: ALT1_SII_COM**

Steamboat II - Commercial

<u>Total Class Cost of Service</u>	<u>\$ 1,226</u>
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	<u>Units</u>	<u>Monthly Service Charge</u>	<u>Revenue</u>	
		\$	\$	
	1	\$0.00	0	
Total	<u>1</u>		<u>0</u>	<u>0</u>

Volume Rate Revenue Required	<u>1,226</u>
-------------------------------------	--------------

Calculated Volume Rate (\$ per CF)

	<u>Volume</u>	<u>Volume Rate</u>	<u>Rate Revenue</u>	
Total	<u>268</u>	\$4.60	<u>1,233</u>	<u>1,233</u>

Total Revenue	1,233
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Revenue Surplus (Deficiency)	7
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STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PROPOSED FY 2009-10 RATES
CHARGES BY CLASS

FILE: Stmboat_WW
SCHEDULE: RATE - ALT 1
DATE: 09/01/10
RANGE: ALT1_MTW_RES

Mt. Werner - Residential

Total Class Cost of Service

\$

833,381

	<u>Units</u>	<u>Monthly Service Charge</u> \$	<u>Revenue</u> \$	
	6,147	\$11.25	829,845	
Total	<u>6,147</u>		<u>829,845</u>	<u>829,845</u>

Volume Rate Revenue Required

3,536

Calculated Volume Rate (\$ per CF)

	<u>Volume</u>	<u>Volume Rate</u>	<u>Rate Revenue</u>	
Total	<u>221,807</u>	\$0.00	<u>0</u>	<u>0</u>

Total Revenue

829,845

Revenue Surplus (Deficiency)

(3,536)

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PROPOSED FY 2009-10 RATES
CHARGES BY CLASS

FILE: Stmboat_WW
SCHEDULE: RATE - ALT 1
DATE: 09/01/10
RANGE: ALT1_MTW_COM

Mt. Werner - Commercial

Total Class Cost of Service

\$

275,237

	<u>Units</u>	<u>Monthly Service Charge</u> \$	<u>Revenue</u> \$	
	101	\$0.00	0	
Total	<u>101</u>		<u>0</u>	<u>0</u>

Volume Rate Revenue Required

275,237

Calculated Volume Rate (\$ per CF)

	<u>Volume</u>	<u>Volume Rate</u>	<u>Rate Revenue</u>	
Total	<u>57,161</u>	\$4.79	<u>273,801</u>	<u>273,801</u>

Total Revenue

273,801

Revenue Surplus (Deficiency)

(1,436)

**STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROPOSED FY 2009-10 RATES
 CHARGES BY CLASS**

**FILE: Stmboat_WW
 SCHEDULE: RATE - ALT 1
 DATE: 09/01/10
 RANGE: ALT1_MTW_COB**

Mt. Werner - Combined

<u>Total Class Cost of Service</u>	<u>\$ 135,512</u>
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	<u>Units</u>	<u>Monthly Service Charge</u> \$	<u>Revenue</u> \$	
	351	\$11.25	474	
Total	<u><u>351</u></u>		<u><u>474</u></u>	<u>474</u>

Volume Rate Revenue Required	<u><u>135,038</u></u>
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Calculated Volume Rate (\$ per CF)

	<u>Volume</u>	<u>Volume Rate</u>	<u>Rate Revenue</u>	
Total	<u><u>29,232</u></u>	\$4.79	<u><u>140,021</u></u>	<u><u>140,021</u></u>

Total Outside District Revenue	140,495
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Revenue Surplus (Deficiency)	4,983
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STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
PROPOSED FY 2009-10 RATES
CHARGES BY CLASS

FILE: Stmboat_WW
SCHEDULE: RATE - ALT 1
DATE: 09/01/10
RANGE: ALT1_TRE_RES

Tree Haus - Residential

Total Class Cost of Service

\$

32,253

	Units	Monthly Service Charge \$	Revenue \$	
	110	\$24.45	32,274	
Total	110		32,274	32,274

Volume Rate Revenue Required

(21)

Calculated Volume Rate (\$ per CF)

	Volume	Volume Rate	Rate Revenue	
Total	7,695	\$0.00	0	0

Total Revenue

32,274

Revenue Surplus (Deficiency)

21

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 PROPOSED FY 2009-10 RATES
 CHARGES BY CLASS

FILE: Stmboat_WW
 SCHEDULE: RATES_ALT1
 DATE: 09/01/10
 RANGE: ALT1_SUM

		(1)	(2)	(3)	(4)	(5)	(6)
Line No.	Customer Class	Cost of Service	Service Charge	Volume Charge	Total	Difference \$	Difference %
City							
1	Residential	1,172,477	1,158,235		1,158,235	(14,242)	-1%
2	Commercial	467,879	103,714	364,210	467,924	45	0%
3	Combined	90,177	58,813	46,360	105,173	14,996	17%
4	Total City	1,730,533	1,320,762	410,570	1,731,332	799	0%
Wholesale							
5	Steamboat II - Residential	151,401	151,519		151,519	118	0%
6	Steamboat II - Commercial	1,226	0	1,233	1,233	7	1%
7	Steamboat II - Combined	0			0	0	#DIV/0!
8	Mt. Werner - Residential	833,381	829,845	0	829,845	(3,536)	0%
9	Mt. Werner - Commercial	275,237	0	273,801	273,801	(1,436)	-1%
10	Mt. Werner - Combined	135,512	474	140,021	140,495	4,983	4%
11	Tree Haus - Residential	32,253	32,274	0	32,274	21	0%
12	Total	1,429,010	1,014,112	415,055	1,429,167	157	0%
13	Total System	3,159,543	2,334,874	825,625	3,160,499	956	0%

Appendix H - Wastewater Tap Fee



**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
SEWER TAP FEE CALCULATION**

FILE: PIF.xls
SCHEDULE: TF Calc
DATE: 09/01/10
RANGE: S_PIF5

HYBRID APPROACH - WWTP AND INTERCEPTOR

Treatment, Interceptor System replacement cost		\$41,129,388
Future Expansion Cost		9,057,150
Plus: NPV of borrowing cost - Existing Debt		1,365,729
Plus: NPV of borrowing cost - Future Debt		4,488,952
Less: current outstanding debt principal		0
Total cost for PIF calculation		<u>\$56,041,219</u>

Total WWTP capacity (MGD) (1)	7.50	
Estimated EQR flow (gpd) (2)	580	
System EQR capacity	<u>12,930</u>	<u>12,930</u>
Value per EQR		\$4,334

Tap Fee		Per Fixture Unit (3)	Per EQR
Treatment PIF per EQR based on no. of fixture units (3):	130.00	\$33.34	\$4,334
Current PIF		<u>26.34</u>	<u>3,424</u>
Difference - \$		\$7.00	\$910.20
- %		27%	27%

- (1) Permitted capacity during March through June of 7.50 MGD per Page III-5 of Draft 12/8/09 Master Plan.
 (2) Per 12/8/09 Master Plan, Pages II-9 through II-10, 280 gallons per EQR per day adjusted for reported maximum daily flow during wet months of 6.07 MGD and 2.93 MGD during dry months.
 (3) Assumes an EQR value based on 130 fixture units as recommended in the April 12, 2000 Wright Water Engineers, Inc., memorandum to Jim Weber, PW Director, City of Steamboat Springs.

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
SEWER TAP FEE CALCULATION**

FILE: PIF.xls
SCHEDULE: TF Calc
DATE: 09/01/10
RANGE: S_PIF6

HYBRID APPROACH – COLLECTION SYSTEM

Collection System replacement cost		\$7,637,621
Future Expansion Cost		0.00
Plus: NPV of borrowing cost		0.00
Plus: NPV of borrowing cost - Future Debt		0.00
Less: current outstanding debt principal		0.00
Total cost for PIF calculation		<u>\$7,637,621</u>

Total WWTP capacity (MGD) (1)	7.50	
Estimated EQR flow (gpd) (2)	580	
System EQR capacity	<u>12,930</u>	<u>12,930</u>
Value per EQR		\$591

Tap Fee		Per Fixture Unit (3)	Per EQR
Collection PIF per EQR based on no. of fixture units (3):	130.00	\$4.54	\$591
Current PIF		<u>2.85</u>	<u>371</u>
Difference - \$		\$1.69	\$220
- %		59%	59%

- (1) Permitted capacity during March through June of 7.50 MGD per Page III-5 of Draft 12/8/09 Master Plan.
 (2) Per 12/8/09 Master Plan, Pages II-9 through II-10, 280 gallons per EQR per day adjusted for reported maximum daily flow during wet months of 6.07 MGD and 2.93 MGD during dry months.
 (3) Assumes an EQR value based on 130 fixture units as recommended in the April 12, 2000 Wright Water Engineers, Inc., memorandum to Jim Weber, PW Director, City of Steamboat Springs.

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 FIXED ASSETS - SEWER FUND
 AS OF DECEMBER 31, 2009

FILE: PIF.xls
 SCHEDULE:
 DATE: Sewer
 RANGE: 09/01/10
 SEWER

ASSET NUMBER	ASSET DESCRIPTION	YEAR PLACED IN SERVICE	ORIGINAL COST	ENR-CCI INDEX DENVER	REPLACEMENT COST	FUNCTION
<u>11-14020</u> <u>LAND & IMPROVEMENTS</u>						
10-00-0001	OLD PLANT SITE	1967	\$6,500		\$6,500	1
10-00-0002	NEW PLANT SITE	1978	254,904		254,904	1
10-00-0003	TREATMENT PLANT SITE	1981	241,904		241,904	1
10-00-0004	TREATMENT PLANT EASEMENTS	1981	36,140		36,140	1
	TOTAL LAND & IMPROVEMENTS		<u>\$539,448</u>		<u>\$539,448</u>	
<u>11-14030</u> <u>BUILDINGS</u>						
30-00-0001	PHASE I PLANT	1974	\$249,551	1670	\$947,547	1
30-00-0002	PHASE II PLANT	1974	73,244	1670	278,108	1
30-00-0003	TREATMENT PLANT	1981	5,725,997	3201	11,342,876	1
30-00-0004	TREATMENT PLANT	1982	68,322	3446	125,720	1
XXXXXXXX	85 SYSTEM WORK	1985	82,996	3316	158,709	1
XXXXXXXX	86 SYSTEM WORK	1986	249,505	3503	451,644	1
XXXXXXXX	87 SYSTEM WORK	1987	76,841	3507	138,936	1
XXXXXXXX	88 SYSTEM WORK I & I PROGRAM	1988	103,045	3538	184,683	3
XXXXXXXX	89 SYSTEM WORK DESIGN ENGINEERING	1989	1,401	3642	2,439	1
XXXXXXXX	89 SYSTEM WORK SLUDGE HANDLING	1989	9,438	3642	16,432	1
XXXXXXXX	89 SYSTEM WORK I & I PROGRAM	1989	144,954	3642	252,377	3
XXXXXXXX	89 BUILDINGS-A/P	1989	20,853	3642	36,307	1
XXXXXXXX	90 DESIGN ENG.-TREATMENT	1990	4,106	3668	7,098	1
XXXXXXXX	90 SYSTEM WORK I & I PROJECT	1990	70,709	3668	122,236	3
XXXXXXXX	91 SYSTEM WORK I & I PROJECT	1991	32,021	3715	54,655	3
XXXXXXXX	95 BIOSOLIDS IMPROVEMENT PROJECT	1995	941,336	4088	1,460,130	1
XXXXXXXX	BIOSOLIDS MGR STUDY(1992 FROM CIP)	1995	8,384	4088	13,004	1
XXXXXXXX	BIOSOLIDS MGR STUDY(1993 FROM CIP)	1995	23,466	4088	36,399	1
XXXXXXXX	CONSTRUCTION (1992 FROM CIP)	1995	32,117	4088	49,817	1
XXXXXXXX	PRELIM. ENG.-DIGESTER (1994 FROM CIP)	1995	35,513	4088	55,085	1
XXXXXXXX	FISH CREEK DISSOLUTION (JE 13167)	1995	1,032,760	4088	1,601,940	1
1101-74010	BIOSOLIDS IMPROVE. (FROM 96 CIP)	1997	269,326	4329	394,501	1
1101-74010	BIOSOLIDS IMPROVEMENTS	1997	86,179	4329	126,232	1
XXXXXXXX	TREATMENT PLANT EXPANSION	2003	10,268,627	5015	12,982,608	1
XXXXXXXX	TREATMENT PLANT EXPANSION	2004	58,572	5450	68,144	1
1115-75028	CENTRIFUGE	2008	538,000	5936	574,707	1
	TOTAL BUILDINGS		<u>\$20,207,262</u>		<u>\$31,482,334</u>	
<u>11-14031</u> <u>TRANSMISSION LINES</u>						
50-00-0001		1968	\$251,003	923	\$1,724,387	3

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 FIXED ASSETS - SEWER FUND
 AS OF DECEMBER 31, 2009

FILE: PIF.xls
 SCHEDULE:
 DATE: Sewer
 RANGE: 09/01/10
 SEWER

ASSET NUMBER	ASSET DESCRIPTION	YEAR PLACED IN SERVICE	ORIGINAL COST	ENR-CCI INDEX DENVER	REPLACEMENT COST	FUNCTION
50-00-0002		1970	13,103	1104	75,256	3
50-00-0003		1972	2,926	1475	12,577	3
50-00-0004		1974	115,032	1670	436,775	3
50-00-0005		1975	41,581	1886	139,801	3
50-00-0006		1977	22,477	2353	60,572	3
50-00-0007		1978	63,323	2565	156,542	3
50-00-0008	INFILTRATION/INFLOW (Treatment Plant per Don T.)	1979	919,344	2739	2,128,353	2
50-00-0009	INFILTRATION/INFLOW	1980	28,811	2947	61,992	3
50-00-0010	DREAM ISLAND INTERCEPTOR	1980	418,400	2947	900,263	2
50-00-0011	REGIONAL INTERCEPTOR	1981	955,418	3201	1,892,628	2
50-00-0012	NOB STREET SEWER LINE	1981	71,086	3201	140,818	3
50-00-0013	NOB STREET SEWER LINE	1982	3,771	3446	6,938	3
50-00-0014	REGIONAL INTERCEPTOR	1982	6,964	3446	12,814	2
50-00-0015	MAPLE STREET SEWER LINE	1983	5,488	3690	9,431	3
XXXXXXXX	84 SEWER LINE IMPROVEMENTS	1984	115,885	3106	236,583	3
XXXXXXXX	85 SEWER LINE IMPROVEMENTS	1985	84,845	3316	162,244	3
XXXXXXXX	86 SEWER LINE IMPROVEMENTS	1986	158,138	3503	286,255	3
XXXXXXXX	87 SEWER LINE IMPROVEMENTS	1987	171,573	3507	310,220	3
XXXXXXXX	88 SEWER LINE IMPROVEMENTS	1988	172,012	3538	308,290	3
XXXXXXXX	89 SEWER LINE IMPROVEMENTS	1989	150,979	3642	262,865	3
XXXXXXXX	91 SEWER LINE IMPROVEMENTS	1991	206,616	3715	352,665	3
XXXXXXXX	92 SEWER LINE IMPROVEMENTS	1992	245,254	3834	405,621	3
XXXXXXXX	I & I SEALED MANHOLES	1993	23,925	4012	37,814	3
XXXXXXXX	93 SEWER LINE IMPROVEMENTS	1993	152,593	4012	241,174	3
XXXXXXXX	METER PROGRAM (FRM CIP)	1989	96,195	3642	167,482	3
XXXXXXXX	METER PROGRAM (FRM CIP)	1990	106,496	3668	184,104	3
XXXXXXXX	METER PROGRAM (FRM CIP)	1991	110	3715	188	3
XXXXXXXX	96 SEWER MAIN IMPROVEMENTS	1996	13,500	4334	19,752	3
1102-74011	EAST MAPLE SEWER	1997	25,649	4329	37,570	3
1102-74011	INTERCEPTOR SEWER IMPROVEMENTS	1997	74,213	4329	108,705	2
FROM CIP 199	US40 CROSSING-W. STMBT(NEAR SLEEPY BEAR)	1996	23,975	4334	35,077	3
1105-74011	1999 SEWER MAIN IMPROVEMENTS	1999	93,228	4498	131,428	3
1105-74011	2002 SEWER REHABILITATION PROJECT	2000	139,625	4767	185,727	3
1105-74011	2002 SEWER MAIN IMPROVEMENTS	2002	100,076	4744	133,756	3
From CIP	SEWER INTERCEPTOR IMPROVEMENTS	2003	2,200,525	5015	2,782,120	2
	SEWER INTERCEPTOR IMPROVEMENTS	2004	6,712	5450	7,809	2
1115-74011	SEWER PIPELINE REHABILITATION	2005	60,180	5552	68,738	3
1115-75029	SEWER UPGRADE FOR WEST STMBT (CAMPGROUND)	2007	310,762	5747	342,884	3
1115-74011	INSITUFORM (SEWER PIPE REHAB)	2008	34,652	5936	37,016	3
1115-75024	SEWER INTERCEPTOR IMPROVEMENTS	2008	464,333	5936	496,013	2
DC	EMERALD VILLAGE SEWER LINE	2008	140,000	5936	149,552	3

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
FIXED ASSETS - SEWER FUND
AS OF DECEMBER 31, 2009

FILE: PIF.xls
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RANGE: Sewer
09/01/10
SEWER

ASSET NUMBER	ASSET DESCRIPTION	YEAR PLACED IN SERVICE	ORIGINAL COST	ENR-CCI INDEX DENVER	REPLACEMENT COST	FUNCTION
DC	BETTERVIEW BUSINES PARK SEWER LINE	2008	152,950	5936	163,385	3
1115-74011	SODA RIDGE WAY & DEERFOOT AVE SEWER MAIN	2009	161,615	6343	161,564	3
DC	ANGLERS RETREAT SUBDIVISION SEWER LINE	2009	105,907	6343	105,873	3
DC	COPPER RIDGE BUSINESS PARK SEWER LINE	2009	147,216	6343	147,170	3
DC	HAMPTON INN SEWER LINE	2009	36,700	6343	36,688	3
DC	WEST END TOWNHOMES SEWER LINE	2009	34,164	6343	34,154	3
TOTAL TRANSMISSION LINES			<u>\$8,929,325</u>		<u>\$15,899,633</u>	
<u>11-14025</u>	<u>LAND APPLICATION IMPROVEMENTS</u>					
	1996 LAND APPLICATION IMP (from 96 CIP)	1997	\$74,539	4329	\$109,183	2
	1996 VALLEY SITE LAND APPL IMPROV (from 96 CIP)	1997	17,109	4329	25,061	2
1101-74008	1997 VALLEY SITE LAND APPL IMPROVEMENTS	1997	3,642	4329	5,335	2
1105-74008	1998 WWTP- DRAIN LINE EXTENSION	1998	43,938	4470	62,328	2
TOTAL LAND APPLICATION IMPROVEMENTS			<u>\$139,228</u>		<u>\$201,907</u>	
	<u>FURNITURE AND EQUIPMENT</u>					
1104-00072	LAB AND OFFICE FURNITURE	1981	\$32,043	3201	\$63,475	5
1104-00984	AIR BLOWER	1993	17,828	4012	28,177	5
1104-02926	CATEPILLAR IT24F	1999	42,214	4498	59,510	5
1104-03221	2002 POLARIS WIDE TRACK SNOWMOBILE	2001	6,322	4663	8,597	5
1104-03309	2003 KAWASAKI MULE 310 4X4 ATV	2002	7,500	4744	10,024	5
1104-03444	SULLAIR COMPRESSOR 185 DPQ	2004	3,565	5450	4,148	5
1104-03944	FOLDER/INSERTER MACHINE SPLIT W/ WATER	2008	2,648	5936	2,829	5
1104-03985	HAND HELD METER READER SPLIT W/ WATER	2009	3,619	6343	3,618	5
1104-03847	SCADA SYSTEM	2007	219,342	5747	242,014	5
1104-03950	MONITORING MANHOLES	2008	104,757	5936	111,904	5
TOTAL FURNITURE AND EQUIPMENT			<u>\$439,838</u>		<u>\$534,296</u>	
<u>11-14010</u>	<u>CONSTRUCTION IN PROGRESS</u>					
1115-74011	RIVERWALK SEWER MAIN	2008	\$41,521	5936	\$44,354	3
1115-75020	STREET SHOP EXPANSION FOR WATER/SEWER	2009	656,856	6343	656,649	5
1115-74011	OAK ST & LINCOLN ALLEY SEWER LINE ENGINEERING	2009	45,224	6343	45,210	3
TOTAL CONSTRUCTION WORK IN PROGRESS			<u>\$743,601</u>		<u>\$746,213</u>	
TOTAL			<u>\$30,998,701</u>		<u>\$49,403,831</u>	

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
FIXED ASSETS - SEWER FUND
AS OF DECEMBER 31, 2009

FILE: PIF.xls
SCHEDULE:
DATE: Sewer
RANGE: 09/01/10
SEWER

ASSET NUMBER	ASSET DESCRIPTION	YEAR PLACED IN SERVICE	ORIGINAL COST	ENR-CCI INDEX DENVER	REPLACEMENT COST	FUNCTION
	WWTP AND DISPOSAL		\$20,395,981		\$31,407,831	1
	INTERCEPTOR		5,185,137		8,530,612	2
	DEVELOPER CONTRIBUTIONS		616,937		636,822	3
	MISC. / ADMIN		1,096,693		1,190,945	5
	LOCAL COLLECTION LINES		3,703,953		7,637,621	3
	TOTAL		<u>\$30,998,701</u>		<u>\$49,403,831</u>	

STEAMBOAT SPRINGS, COLORADO
 2010 RATE & FEE STUDY
 SEWER CIP - 2010 THROUGH 2029 - 2010 \$'s

FILE: PIF.xls
 SCHEDULE: TF Calc
 DATE: 09/01/10
 RANGE: S_CIP

Line No.	DESCRIPTION	FUNCTION	Projected										Growth	Total	2020 - 2029	2010 -2029	2010 -2029		
			2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Percent					Total	Total
Wastewater Collection System																			
1	Collection Main Replacement	3	\$1,084,450	\$763,350	\$1,167,258	\$1,586,564	\$1,617,371	\$1,648,777	\$1,680,792	\$1,713,428	\$1,746,698	\$1,780,615	0%	\$14,789,301		\$14,789,301		\$0	
2	Riverwalk Sewer Cost Sharing	3	230,000	0	0	0	0	0	0	0	0	0	0	0	230,000	230,000	0	0	
3	Meter Conversion	5	0	164,000	114,000	114,000	0	0	0	0	0	0	0	0	392,000	392,000	0	0	
4	Dream Island Interceptor Replacement	2	50,000	992,000	55,000	1,094,000	0	0	0	0	0	0	1	2,191,000	2,191,000	1,424,150		0	
5	Mt Werner Interceptor Replacement	2	0	0	0	0	0	0	1,384,000	1,384,000	1,384,000	1,384,000	1	5,536,000	5,536,000	2,768,000		0	
6	I&I Reduction	2	0	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	0	540,000	540,000	0		0	
7	Lagoon Reclamation	5	125,433	0	0	0	0	0	0	0	0	0	0	125,433	125,433	0		0	
8	Shop Expansion	5	158,407	0	0	0	0	0	0	0	0	0	0	158,407	158,407	0		0	
9	Rate Study	5	15,600	0	0	0	0	30,000	0	0	0	0	0	45,600	45,600	0		0	
WWTP																			
10	Bar Screen Replacement	1	500,000	0	0	0	0	0	0	0	0	0	0	500,000	500,000	0		0	
11	Polishing Pond Liner	1	275,000	0	0	0	0	0	0	0	0	0	0	275,000	275,000	0		0	
12	Payment Maintenance	1	0	400,000	0	0	0	0	0	0	0	0	0	400,000	400,000	0		0	
13	UV Modules (addition)	1	0	0	0	0	100,000	0	0	0	0	0	1	100,000	100,000	100,000		0	
14	Digester #4	1	0	0	0	0	0	0	0	250,000	2,500,000	0	1	2,750,000	2,750,000	2,750,000		0	
15	Blower Addition	1	0	0	0	0	0	0	0	0	80,000	0	1	80,000	80,000	80,000		0	
16	Administration/Lunch Room Addition	1	0	0	0	0	0	0	0	0	0	350,000	1	350,000	350,000	350,000		0	
17	Major Capital Maintenance Projects	1	0	201,262	205,170	209,154	213,216	217,355	221,576	225,878	230,264	234,736	0	1,958,611	1,958,611	0		0	
18	Steamboat II Lift Station Rebuild	4	0	0	250,000	0	0	0	0	0	0	0	0	250,000	250,000	0		0	
19	Lower Field Improvements	1	110,000	0	0	0	0	0	0	0	0	0	0	110,000	110,000	0		0	
WSSAP																			
20	New WSSA Lift Station	6	0	0	0	0	0	0	0	0	0	670,000	1	670,000	670,000	670,000		0	
21	Steamboat II wastewater main river crossin	2	0	0	0	0	0	0	0	0	0	0	1	0	615,000	615,000	615,000		0
22	Sleepy Bear wastewater main river crossin	2	0	0	0	0	0	0	0	0	0	0	1	0	300,000	300,000	300,000		0
Total CIP			\$2,548,890	\$2,580,612	\$1,851,428	\$3,063,718	\$1,990,586	\$1,956,132	\$3,346,367	\$3,633,306	\$6,000,963	\$4,479,351		\$31,451,352	\$915,000	\$32,366,352	\$9,057,150		

Collection System

0

STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
Sewer System – NPV of Borrowing Cost

FILE: PIF.xls
SCHEDULE: SEWER NPV
DATE: 9/1/2010
RANGE: S_NPV

Wastewater Bond Issues

	Principal	% Growth	NPV of Interest
2001 CWRPDA LOAN	\$6,000,000	100%	\$993,556
CWRPDA 1995 Biosolids Improvements	1,563,550	0%	-
CWRPDA 1999 WWTP Expansion	2,935,636	100%	372,173
	-		-
Total	<u>\$10,499,186</u>		<u>\$1,365,729</u>

Bond Amortization Schedule

2001 CWRPDA LOAN

Borrowing Rate	4.05%	Discount Rate	
Years	20		4.05%
Avg. Annual Payment	\$429,285		
Principal Amount	\$6,000,000		
Year of Issue	2001	NPV of	
		Interest Payments	\$993,556

Fiscal Year	Principal	Interest	Total
2010	\$270,940	\$161,310	\$432,250
2011	281,778	152,617	434,395
2012	287,196	139,226	426,423
2013	298,034	131,587	429,621
2014	308,872	118,368	427,240
2015	319,709	110,102	429,811
2016	325,128	100,957	426,085
2017	341,384	86,669	428,053
2018	352,222	77,178	429,400
2019	363,060	66,671	429,731
2020	384,735	44,156	428,891
2021	411,829	17,687	429,516
Total	\$3,944,886	\$1,206,530	\$5,151,416

Bond Amortization Schedule CWRPDA 1999 WWTP Expansion

Borrowing Rate	5.00%	Discount Rate
Years	20	5.00%
Avg. Annual Payment	\$214,486	
Principal Amount	\$2,935,636	NPV of
Year of Issue	1999	Interest Payments
		\$372,173

Fiscal Year	Principal	Interest/Other	Total
2010	\$144,639	\$69,185	\$213,824
2011	149,996	64,996	214,992
2012	155,353	60,740	216,093
2013	160,710	56,323	217,033
2014	166,067	51,725	217,792
2015	166,067	46,968	213,035
2016	171,424	41,854	213,278
2017	176,781	36,567	213,348
2018	192,852	20,235	213,087
2019	203,566	8,807	212,373
Total	\$1,687,455	\$457,401	\$2,144,856

**STEAMBOAT SPRINGS, COLORADO
2010 RATE & FEE STUDY
Sewer System – NPV of Borrowing Cost**

**FILE: PIF.xls
SCHEDULE: Sewer NPV
DATE: 9/1/2010
RANGE: S_NPV1**

Sewer Bond Issues

	Principal	NPV of Interest
2011	\$666,600	\$248,161
2013	858,500	406,015
2015	808,000	383,643
2017	5,176,250	2,448,034
2019	2,121,000	1,003,099
Total	<u>\$9,630,350</u>	<u>\$4,488,952</u>

Bond Amortization Schedule 2011

Borrowing Rate	4.25%	Discount Rate	
Years	20		4.25%
Annual Payment	\$50,142		
Principal Amount	\$666,600	NPV of	
Year of Issue	2011	Interest Payments	\$248,161

Fiscal Year	EOY Principal Balance	Principal	Interest	Total
2011	\$644,789	\$21,811	\$28,331	\$50,142
2012	622,051	22,738	27,404	50,142
2013	598,346	23,705	26,437	50,142
2014	573,634	24,712	25,430	50,142
2015	547,871	25,763	24,379	50,142
2016	521,014	26,857	23,285	50,142
2017	493,015	27,999	22,143	50,142
2018	463,826	29,189	20,953	50,142
2019	433,397	30,429	19,713	50,142
2020	401,674	31,723	18,419	50,142
2021	368,603	33,071	17,071	50,142
2022	334,127	34,476	15,666	50,142
2023	298,185	35,942	14,200	50,142
2024	260,716	37,469	12,673	50,142
2025	221,654	39,062	11,080	50,142
2026	180,932	40,722	9,420	50,142
2027	138,480	42,452	7,690	50,142
2028	94,223	44,257	5,885	50,142
2029	48,085	46,138	4,004	50,142
2030	-	48,098	2,044	50,142
2031	-	-	-	-
Total		\$666,613	\$336,227	\$1,002,840

Bond Amortization Schedule 2013

Borrowing Rate	6.00%	Discount Rate	
Years	20	6.00%	
Annual Payment	\$74,848		
Principal Amount	\$858,500	NPV of	
Year of Issue	2013	Interest Payments	\$406,015

Fiscal Year	EOY Principal Balance	Principal	Interest	Total
2011				
2012				
2013	\$846,831	\$11,669	\$25,755	\$37,424
2014	822,793	24,038	50,810	74,848
2015	797,313	25,480	49,368	74,848
2016	770,304	27,009	47,839	74,848
2017	741,674	28,630	46,218	74,848
2018	711,326	30,348	44,500	74,848
2019	679,158	32,168	42,680	74,848
2020	645,059	34,099	40,749	74,848
2021	608,915	36,144	38,704	74,848
2022	570,602	38,313	36,535	74,848
2023	529,990	40,612	34,236	74,848
2024	486,941	43,049	31,799	74,848
2025	441,309	45,632	29,216	74,848
2026	392,940	48,369	26,479	74,848
2027	341,668	51,272	23,576	74,848
2028	287,320	54,348	20,500	74,848
2029	229,711	57,609	17,239	74,848
2030	168,646	61,065	13,783	74,848
2031	103,917	64,729	10,119	74,848
2032	35,304	68,613	6,235	74,848
2033	-	36,365	1,059	37,424
Total		\$859,561	\$637,399	\$1,496,960

Bond Amortization Schedule 2015

Borrowing Rate	6.00%	Discount Rate	
Years	20	6.00%	
Annual Payment	\$70,445		
Principal Amount	\$808,000	NPV of	
Year of Issue	2015	Interest Payments	\$383,643

Fiscal Year	EOY Principal Balance	Principal	Interest	Total
2011				
2012				
2013				
2014				
2015	\$797,018	\$10,983	\$24,240	\$35,223
2016	775,053	21,965	48,480	70,445
2017	751,111	23,942	46,503	70,445
2018	725,733	25,378	45,067	70,445
2019	698,832	26,901	43,544	70,445
2020	670,317	28,515	41,930	70,445
2021	640,091	30,226	40,219	70,445
2022	608,051	32,040	38,405	70,445
2023	574,089	33,962	36,483	70,445
2024	538,089	36,000	34,445	70,445
2025	499,929	38,160	32,285	70,445
2026	459,480	40,449	29,996	70,445
2027	416,604	42,876	27,569	70,445
2028	371,155	45,449	24,996	70,445
2029	322,979	48,176	22,269	70,445
2030	271,913	51,066	19,379	70,445
2031	217,783	54,130	16,315	70,445
2032	160,405	57,378	13,067	70,445
2033	99,584	60,821	9,624	70,445
2034	35,114	64,470	5,975	70,445
2035	1,998	33,116	2,107	35,223
Total		\$806,002	\$602,898	\$1,408,900

Bond Amortization Schedule 2017

Borrowing Rate	6.00%	Discount Rate	
Years	20	6.00%	
Annual Payment	\$451,289		
Principal Amount	\$5,176,250		NPV of
Year of Issue	2017		Interest Payments
			\$2,448,034

Fiscal Year	EOY Principal Balance	Principal	Interest	Total
2011				
2012				
2013				
2014				
2015				
2016				
2017	\$5,105,893	\$70,357	\$155,288	\$225,645
2018	4,960,958	144,935	306,354	451,289
2019	4,807,326	153,632	297,657	451,289
2020	4,644,477	162,849	288,440	451,289
2021	4,471,857	172,620	278,669	451,289
2022	4,288,879	182,978	268,311	451,289
2023	4,094,923	193,956	257,333	451,289
2024	3,889,329	205,594	245,695	451,289
2025	3,671,400	217,929	233,360	451,289
2026	3,440,395	231,005	220,284	451,289
2027	3,195,530	244,865	206,424	451,289
2028	2,935,973	259,557	191,732	451,289
2029	2,660,842	275,131	176,158	451,289
2030	2,369,204	291,638	159,651	451,289
2031	2,060,067	309,137	142,152	451,289
2032	1,732,382	327,685	123,604	451,289
2033	1,385,036	347,346	103,943	451,289
2034	1,016,849	368,187	83,102	451,289
2035	626,571	390,278	61,011	451,289
2036	212,876	413,695	37,594	451,289
2037	-	219,258	6,387	225,645
Total		\$5,182,632	\$3,843,148	\$9,025,780

Bond Amortization Schedule 2019

Borrowing Rate	6.00%	Discount Rate	
Years	20		6.00%
Annual Payment	\$184,918		
Principal Amount	\$2,121,000		NPV of
Year of Issue	2019		Interest Payments
			\$1,003,099

Fiscal Year	EOY Principal Balance	Principal	Interest	Total
2011				
2012				
2013				
2014				
2015				
2016				
2017				
2018				
2019	\$2,092,171	\$28,829	\$63,630	\$92,459
2020	2,032,783	59,388	125,530	184,918
2021	1,969,832	62,951	121,967	184,918
2022	1,903,104	66,728	118,190	184,918
2023	1,832,372	70,732	114,186	184,918
2024	1,757,396	74,976	109,942	184,918
2025	1,677,922	79,474	105,444	184,918
2026	1,593,679	84,243	100,675	184,918
2027	1,504,382	89,297	95,621	184,918
2028	1,409,727	94,655	90,263	184,918
2029	1,309,393	100,334	84,584	184,918
2030	1,203,039	106,354	78,564	184,918
2031	1,090,303	112,736	72,182	184,918
2032	970,803	119,500	65,418	184,918
2033	844,133	126,670	58,248	184,918
2034	709,863	134,270	50,648	184,918
2035	567,537	142,326	42,592	184,918
2036	416,671	150,866	34,052	184,918
2037	256,753	159,918	25,000	184,918
2038	87,240	169,513	15,405	184,918
2039	-	89,842	2,617	92,459
Total		\$2,123,602	\$1,574,758	\$3,698,360

ENR Values

YEAR	ENR 20-CITIES INDEX (DENVER)
1960	732
1961	677
1962	701
1963	725
1964	748
1965	776
1966	814
1967	858
1968	923
1969	1014
1970	1104
1971	1352
1972	1475
1973	1556
1974	1670
1975	1886
1976	2124
1977	2353
1978	2565
1979	2739
1980	2947
1981	3201
1982	3446
1983	3690
1984	3106
1985	3316
1986	3503
1987	3507
1988	3538
1989	3642
1990	3668
1991	3715
1992	3834
1993	4012
1994	4009
1995	4088
1996	4334
1997	4329
1998	4470
1999	4498
2000	4767
2001	4663
2002	4744
2003	5015
2004	5450
2005	5552
2006	5714
2007	5747
2008	5936
2009	6343
2010	6341

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January