701 East Broadway, Columbia, Missouri 65201



Agenda Item Number: REP 85-14

Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: September 2, 2014

Re: Draft Report of Sanitary Sewer Utility Rate Study

Documents Included With This Agenda Item

Council memo

Supporting documentation includes: Sanitary Sewer Utility Rate Study Draft Report

Executive Summary

Burton & Associates was hired in February of 2014 to perform a sanitary sewer utility rate cost of service study for the City of Columbia. The last cost of service study performed for Columbia's sanitary sewer utility was in 2008. Staff followed our standard consultant selection process which included mailing of requests for proposals and formal interviews held in Columbia. Two consultants were interviewed and Burton & Associates was selected based on their dynamic model, which allowed staff to compare two scenarios at the same time. In addition, the consultant was extremely knowledgeable of industry standards, and well as Columbia's current situation.

Discussion

Attached is a draft report of the Sanitary Sewer Utility Rate Study as prepared by Burton & Associates. The principal objectives or components of the study are: revenue sufficiency analysis, rate structure modifications, connection fee update, and deposit review.

Revenue Sufficiency Analysis – Develop a multi-year plan of sewer rate revenue increases that will satisfy the annual operating, debt service, and capital requirements of the Utility as well as maintain adequate operating reserves.

Burton & Associates utilized a proprietary FAMS-XL© model to project the performance of the Utility from FY 2015 - FY 2024 in order to measure the adequacy of the revenues provided by the Utility's current rates over a multi-year projection period. With City staff, they reviewed several alternative financial management plan and rate adjustment scenarios for the Utility. Through this process, they identified the recommended financial management plan and associated plan of annual sewer rate revenue increases presented herein that is based upon the revenue and expense information, beginning balances, and assumptions as described in Section 2 of the report. Appendix A of the draft report includes detailed schedules presenting all components of the financial management plan, while the recommended five-year rate revenue adjustment plan is presented in the following table:

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Table E-1 – Recommended Plan of Rate Revenue Increases

Description	FY 15	FY 16	FY 17	FY 18	FY 19			
Effective Date	10/1/14	10/1/15	10/1/16	10/1/17	10/1/18			
Operating	0.0%*	1.0%	1.0%	1.0%	1.0%			
Capital	6.0%*	0.0%	5.0%	0.0%	1.0%			
Total Increase	6.0%*	1.0%	6.0%	1.0%	2.0%			

^{*}Recommended rate structure modifications would result in rate adjustments that would affect the cost of service to customers differently

Rate Structure Modifications – Develop modifications, as appropriate, to ensure that the City's sewer rates conform to accepted industry practice and reflect a fair and equitable distribution of system costs.

Burton & Associates examined the current monthly sewer rates and developed recommended rate structure modifications that should be considered to: 1) conform to legal precedent and generally accepted rate making practice, and 2) reflect a fair and equitable distribution of the cost of service. Notably, the recommended modifications are to: 1) establish monthly base charges that recover the Utility's annual debt service and administrative expenses, 2) scale the monthly base charges by meter size based upon the maximum flow rates by meter size as published by the American Water Works Association (AWWA), and 3) recover all remaining system costs in proportion to use of the system via a metered volume rate.

Table E-2 presents the impact to an individually-metered or single-family residential customer of the recommended rate structure for FY 2015 that embodies the modifications identified above as well as the identified 6.0% sewer revenue increase from Table E-1. A schedule of the specific sewer rates recommended for FY 2015 as well as additional customer impact tables are included in Appendix B of the draft report.

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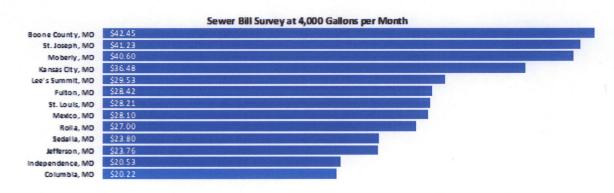


Table E-2 -- Individually Metered Residential Customer Impact Analysis

Monthly	Monthly		Cı	urrent		oposed	
Use (CCF)	Use (Gal)	% of Bills	(1	Y 14)	<u>(F</u>	Y 15)	\$ Chg
	-	2.1%	\$	7.30	\$	11.01	\$ 3.71
1	748	5.4%	\$	9.71	\$	13.28	\$ 3.57
2	1,496	25.2%	\$	12.13	\$	15.55	\$ 3.42
3	2,244	11.3%	\$	14.54	\$	17.82	\$ 3.28
4	2,992	11.7%	\$	16.96	\$	20.09	\$ 3.13
5	3,740	11.1%	\$	19.37	\$	22.36	\$ 2.99
6	4,488	9.7%	\$	21.78	\$	24.63	\$ 2.85
7	5,236	6.8%	\$	24.20	\$	26.90	\$ 2.70

Comparative Rate Surveys

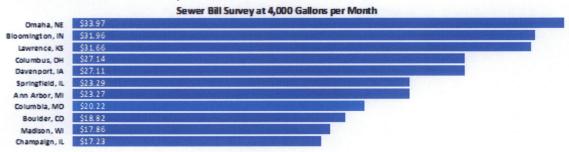
As part of the Study, Burton & Associates prepared FY 2014 residential rate surveys that compare the current monthly bill for the City's typical residential user to that of: 1) neighboring communities, and 2) comparable communities in the general geographic region. The rate surveys were performed to provide an understanding of the current market range of typical utility costs and how the City fits within that range. The graph below presents the comparison of the monthly sewer charges of local communities for a single-family residential customer with a 5/8" meter based on 4,000 gallons of water use. As can be seen, the City is currently the lowest cost provider in the area for a typical residential user.



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The following graph presents the comparison of the monthly sewer charges of comparable communities (defined as having major universities and being in the same general geographic region) to a residential customer with a 5/8" meter based on 4,000 gallons of water use. As can be seen, the City is currently very comparable in cost to other comparable communities.



Connection Fee Update – Calculate updated connection fees based upon the cost of the Utility's current infrastructure and five-year capital improvements program (CIP).

The City currently assesses connection fees for the Utility that are designed to recover the unit cost of capacity from new connectors to the system. These fees are used to pay for the infrastructure that provides the capacity to serve growth, and thereby minimize the burden on existing customers to recover the cost of such facilities. The update performed as part of this Study was intended to determine if the current cost of system capacity necessitates a change in the amount of the City's current fees. The cost basis for the analysis was the replacement cost new, less depreciation of the City's existing sewer system components and the portion of the Utility's five-year CIP associated with system expansion, as the existing system plus certain expansion-related projects will be used to serve new connections in the future.

The table below presents a comparison of the updated connection fee calculated in this Study as compared to the City's current connection fee for a 5/8" meter (1 ERU):

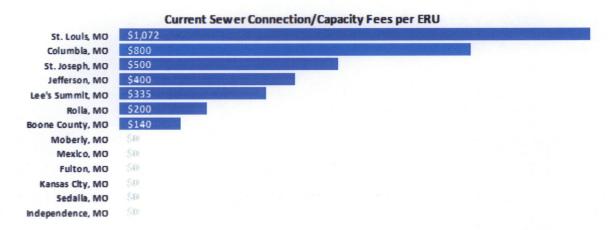
Table E-3 – Updated Sewer Connection Fee			
Fee per ERU*	Current	Update	\$ Chg.
Fee for 5/8" Meter	\$800	\$2,460	\$1,660

*ERU = Equivalent Residential Unit

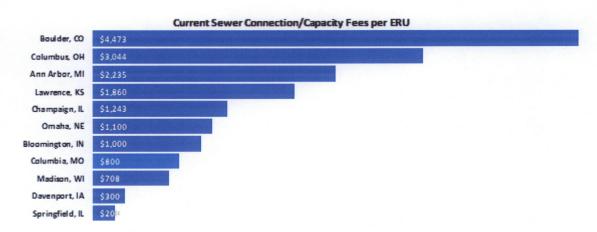
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As part of the analysis, the consultant prepared a comparison of the current connection fees for the same local and comparable communities surveyed for monthly sewer service charges. The graph below presents the results of the connection fee survey performed for local communities. As can be seen, a number of communities in the area either do not have connection fees or have very modest fees.



The graph below presents the results of the connection fee survey performed for comparable communities. As can be seen, other similar communities outside of the immediate local area have higher levels of connection or capacity fees that are more consistent with the updated amount identified herein for the Utility.



Based upon the analysis presented herein, Burton & Associates recommends that the City:

- Consider increasing its sewer connection fees to \$2,460 per ERU via a multi-year program of gradual increases.
- Use the maximum capacity flow ratios identified by the AWWA to establish the fees for customers with larger meter sizes.

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Deposit Review – Review and develop modifications, as appropriate, to the Utility's level of residential and commercial security deposits.

The City currently charges deposits to its various types of customers that are based upon meter size (single-family residential), the number of dwelling units (multi-family residential), or assumed usage at account initiation (commercial). As part of the Study, Burton & Associates reviewed the current deposits and determined that the City should increase its single-family and multi-family residential deposits in order to recover lost revenue associated with the time period of service provided prior to service shut-off (2 months) based upon the current average monthly volumes and resulting service charges. Moreover, they identified a deposit by meter size for commercial customers based upon the average usage of existing customers that could be used when assumed average usage data at account initiation may not be available.

The table below presents a summary of the deposit analysis prepared as part of the Study, including a comparison of the current and recommended deposits for each type of customer by meter size or number of units, as appropriate.

Meter Size	Average Monthly Usage (Ccf's)	Average Monthly Sewer Charge	Sewer Revenue Exposure	Proposed Sewer Deposit	Current Deposit*	\$ Chg.	% Chg.
Resident	tial						
5/8"	5	\$18.83	\$37.67	\$40.00	\$20.00	\$20.00	100%
3/4"	5	\$20.53	\$41.06	\$40.00	\$20.00	\$20.00	100%
1"	7	\$24.46	\$48.92	\$40.00	\$20.00	\$20.00	100%
1-1/2"	6	\$22.07	\$44.14	\$50.00	\$20.00	\$30.00	150%
2"	11	\$34.67	\$69.33	\$50.00	\$20.00	\$30.00	150%
Multi-Fa	mily			(pe	r Unit)		
First 25	Units			\$20.00	\$10.00	\$10.00	100%
Units in	excess of 25	5		\$10.00	\$5.00	\$5.00	100%
Maxii	mum Deposit	of \$1,000					
Commer	cial						
5/8"	6	\$22.59	\$45.18	\$45.00	\$45.18	-\$0.18	090
3/4"	24	\$70.76	\$141.51	\$140.00	\$141.51	-\$1.51	-196
1"	23	\$81.08	\$162.17	\$160.00	\$162.17	-\$2.17	-190
1-1/2"	50	\$168.14	\$336.27	\$330.00	\$336.27	-\$6.27	-2%
2"	103	\$328.54	\$657.08	\$650.00	\$657.08	-\$7.08	-196
3"	327	\$944.13	\$1,888.26	\$1,880.00	\$1,888.26	-\$8.26	0%
4"	859	\$2,326.95	\$4,653.89	\$4,650.00	\$4,653.89	-\$3.89	0%
6"	1,105	\$4,126.93	\$8,253.86	\$8,250.00	\$8,253.86	-\$3.86	0%

^{*} Per Ordinance Chapter 27: commercial sewer deposit = 2 x assumed average bill at account start

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After review of the draft study prepared by Burton & Associates, staff recommends the following:

- 1) Update the rate structure based on the recommendations of Burton & Associates, as well, as scaling the monthly base charges by meter size based upon the maximum flow rates by meter size as published by the American Water Works Association.
- 2) A 6% revenue increase in FY2015, as recommended by the consultant.
- 3) At this time, staff is not recommending the 1% operating increase in FY16, FY17, FY18, FY19. This may change after we evaluate the actual revenue and expense incurred in FY14 and FY15.
- 4) Staff is proposing to increase the FY15 sewer connection fee from \$800 to \$1,200. We agree with the consultant to increase the sewer connection fees to \$2,460 via a multi-year program of gradual increases.
- 5) Staff is proposing to have one sewer deposit of \$45 for residential services. Legislation will be presented to Council by Utility customer service, at a future date.

Fiscal Impact

Short-Term Impact: Unknown until decisions are made as to the recommendations provided by the consultant and city staff.

Long-Term Impact: Unknown until decisions are made as to the recommendations provided by the consultant and city staff.

Vision, Strategic & Comprehensive Plan Impact

<u>Vision Impact:</u> Governance and Decision Making
<u>Strategic Plan Impact:</u> Financial Health, Infrastructure
<u>Comprehensive Plan Impact:</u> Infrastructure, Livable & Sustainable Communities

Suggested Council Action

For information only.

Legislative History

12/03/13 - RFP mailed to consultants to perform a Sanitary Sewer Utility Rate Study 02/03/14 - Consultants Interviewed and Burton & Associates selected

701 East Broadway, Columbia, Missouri 65201



Department Approved

City Manager Approved

701 East Broadway, Columbia, Missouri 65201



SUPPORTING DOCUMENTS INCLUDED WITH THIS AGENDA ITEM ARE AS FOLLOWS:

Draft Report

Sanitary Sewer Utility Rate Study



Draft Report

August 18, 2014

Prepared by:



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SANITARY SEWER UTILITY RATE STUDY

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EXECUTIVE SUMMARY

E.1 INTRODUCTION

This Executive Summary presents an overview of the results of the Sanitary Sewer Utility Rate Study (Study) that was conducted for the sewer utility system (Utility) of the City of Columbia, Missouri (City) by Burton & Associates.

E.1.1 Objectives

The principal objectives or components of the Study are as follows:

Revenue Sufficiency Analysis - Develop a multi-year plan of sewer rate revenue increases that will satisfy the annual operating, debt service, and capital requirements of the Utility as well as maintain adequate operating reserves.

Rate Structure Modifications – Develop modifications, as appropriate, to ensure that the City's sewer rates conform to accepted industry practice and reflect a fair and equitable distribution of system costs.

Connection Fee Update – Calculate updated connection fees based upon the cost of the Utility's current infrastructure and five-year capital improvements program (CIP).

Deposit Review – Review and develop modifications, as appropriate, to the Utility's level of residential and commercial security deposits.

E.2 REVENUE SUFFICIENCY ANALYSIS

We utilized our proprietary FAMS-XL[®] model to project the performance of the Utility from FY 2015 - FY 2024 in order to measure the adequacy of the revenues provided by the Utility's current rates over a multi-year projection period. With City staff, we reviewed several alternative financial management plan and rate adjustment scenarios for the Utility. Through this process, we identified the recommended financial management plan and associated plan of annual sewer rate revenue increases presented herein that is

BURTON & ASSOCIATES City of Columbia Utility Rates - Assessments - Financial Planning **Final Report** based upon the revenue and expense information, beginning balances, and assumptions as described in Section 2 of this report. Appendix A includes detailed schedules presenting all components of the financial management plan, while the recommended five-year rate revenue adjustment plan is presented in the following table:

Table E-1 – Recommended Plan of Rate Revenue Increases									
Description	FY 15	FY 16	FY 17	FY 18	FY 19				
Effective Date	10/1/14	10/1/15	10/1/16	10/1/17	10/1/18				
Operating	0.0%*	1.0%	1.0%	1.0%	1.0%				
Capital	6.0%*	0.0%	5.0%	0.0%	1.0%				
Total Increase	6.0%*	1.0%	6.0%	1.0%	2.0%				

^{*}Recommended rate structure modifications would result in rate adjustments that would affect the cost of service to customers differently

E.3 RATE STRUCTURE MODIFICATIONS

Burton & Associates examined the current monthly sewer rates and developed recommended rate structure modifications that should be considered to 1) conform to legal precedent and generally accepted rate making practice, and 2) reflect a fair and equitable distribution of the cost of service.

Notably, the recommended modifications are to 1) establish monthly base charges that recover the Utility's annual debt service and administrative expenses, 2) scale the monthly base charges by meter size based upon the maximum flow rates by meter size as published by the American Water Works Association (AWWA), and 3) recover all remaining system costs in proportion to use of the system via a metered volume rate.

Table E-2 presents the impact to an individually-metered or single-family residential customer of the recommended rate structure for FY 2015 that embodies the modifications identified above as well as the identified 6.0% sewer revenue increase from Table E-1. A schedule of the specific sewer rates recommended for FY 2015 as well as additional customer impact tables are included in Appendix B of this report.

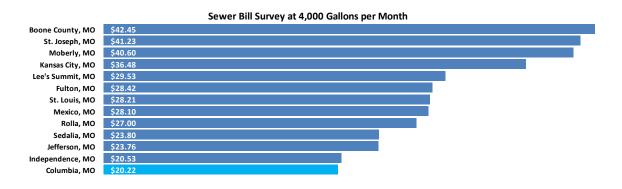
Table E-2 -- Individually Metered Residential Customer Impact Analysis

Inside-City Single Family 5/8" Meter Monthly Sewer Bill Calculations										
Monthly	Monthly		Cı	urrent	Pro	oposed				
Use (CCF)	Use (Gal)	% of Bills	<u>(</u> 1	(FY 14)		(FY 14)		Y 15)	<u>\$</u>	Chg
-	-	2.1%	\$	7.30	\$	11.01	\$	3.71		
1	748	5.4%	\$	9.71	\$	13.28	\$	3.57		
2	1,496	25.2%	\$	12.13	\$	15.55	\$	3.42		
3	2,244	11.3%	\$	14.54	\$	17.82	\$	3.28		
4	2,992	11.7%	\$	16.96	\$	20.09	\$	3.13		
5	3,740	11.1%	\$	19.37	\$	22.36	\$	2.99		
6	4,488	9.7%	\$	21.78	\$	24.63	\$	2.85		
7	5,236	6.8%	\$	24.20	\$	26.90	\$	2.70		

E.3.1 Comparative Rate Surveys

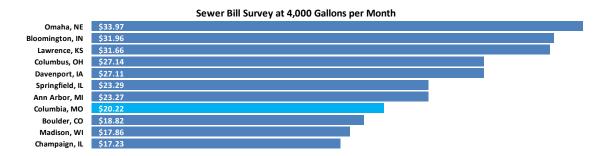
As part of the Study, we prepared FY 2014 residential rate surveys that compare the current monthly bill for the City's typical residential user to that of 1) neighboring communities and 2) comparable communities in the general geographic region. The rate surveys were performed to provide an understanding of the current market range of typical utility costs and how the City fits within that range.

The graph below presents the comparison of the monthly sewer charges of local communities for a single-family residential customer with a 5/8" meter based on 4,000 gallons of water use. As can be seen, the City is currently the lowest cost provider in the area for a typical residential user.



The following graph presents the comparison of the monthly sewer charges of comparable communities (defined as having major universities and being in the same

general geographic region) to a residential customer with a 5/8" meter based on 4,000 gallons of water use. As can be seen, the City is currently very comparable in cost to other comparable communities.



E.4 CONNECTION FEE UPDATE

The City currently assesses connection fees for the Utility that are designed to recover the unit cost of capacity from new connectors to the system. These fees are used to pay for the infrastructure that provides the capacity to serve growth, and thereby minimize the burden on existing customers to recover the cost of such facilities. The update performed as part of this Study was intended to determine if the current cost of system capacity necessitates a change in the amount of the City's current fees.

The cost basis for the analysis was the replacement cost new less depreciation of the City's existing sewer system components and the portion of the Utility's five-year CIP associated with system expansion, as the existing system plus certain expansion-related projects will be used to serve new connections in the future.

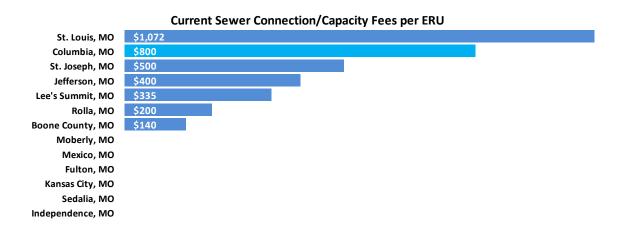
The table below presents a comparison of the updated connection fee calculated in this Study as compared to the City's current connection fee for a 5/8" meter (1 ERU):

Table E-3 – Updated Sewer Connection Fee							
Fee per ERU*	Current	Update	\$ Chg.				
Fee for 5/8" Meter	\$800	\$2,460	\$1,660				

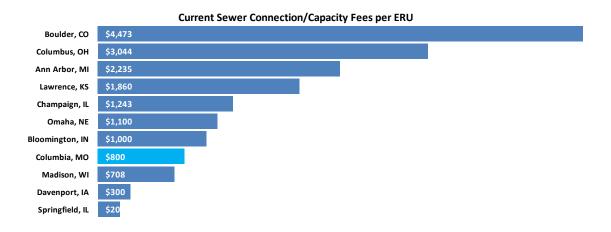
*ERU = Equivalent Residential Unit

As part of the analysis, we prepared a comparison of the current connection fees for the same local and comparable communities surveyed for monthly sewer service charges.

The graph below presents the results of the connection fee survey performed for local communities. As can be seen, a number of communities in the area either do not have connection fees or have very modest fees.



The graph below presents the results of the connection fee survey performed for comparable communities. As can be seen, other similar communities outside of the immediate local area have higher levels of connection or capacity fees that are more consistent with the updated amount identified herein for the Utility.



Based upon the analysis presented herein, we recommend that the City:

- Consider increasing its sewer connection fees to \$2,460 per ERU via a multi-year program of gradual increases.
- Use the maximum capacity flow ratios identified by the AWWA to establish the fees for customers with larger meter sizes.

E.5 DEPOSITS

The City currently charges deposits to its various types of customers that are based upon meter size (single-family residential), the number of dwelling units (multi-family residential), or assumed usage at account initiation (commercial).

As part of the Study, Burton & Associates reviewed the current deposits and determined that the City should increase its single-family and multi-family residential deposits in order to recover lost revenue associated with the time period of service provided prior to service shut-off (2 months) based upon the current average monthly volumes and resulting service charges. Moreover, we identified a deposit by meter size for commercial customers based upon the average usage of existing customers that could be used when assumed average usage data at account initiation may not be available.

The table below presents a summary of the deposit analysis prepared as part of the Study, including a comparison of the current and recommended deposits for each type of customer by meter size or number of units, as appropriate.

	Average Monthly	Average	Sewer	Dramacad			
Meter	Usage	Monthly Sewer	Revenue	Proposed Sewer	Current		
Size	(Ccf's)	Charge	Exposure	Deposit	Deposit*	\$ Chg.	% Chg.
3120	(661 3)	Charge	LAPOSUIC	Берозіс	Бероле	y crig.	70 Cing.
Resident	ial						
5/8"	5	\$18.83	\$37.67	\$40.00	\$20.00	\$20.00	100%
3/4"	5	\$20.53	\$41.06	\$40.00	\$20.00	\$20.00	100%
1"	7	\$24.46	\$48.92	\$40.00	\$20.00	\$20.00	100%
1-1/2"	6	\$22.07	\$44.14	\$50.00	\$20.00	\$30.00	150%
2"	11	\$34.67	\$69.33	\$50.00	\$20.00	\$30.00	150%
Multi-Fa	•			.,	r Unit)	4	
First 25				\$20.00	\$10.00	\$10.00	100%
	excess of 25			\$10.00	\$5.00	\$5.00	100%
Maxin	num Deposit	of \$1,000					
Commer	rial						
5/8"	6	\$22.59	\$45.18	\$45.00	\$45.18	-\$0.18	0%
3/4"	24	\$70.76	\$141.51	\$140.00	\$141.51	-\$1.51	-1%
1"	23	\$81.08	\$162.17	\$160.00	\$162.17	-\$2.17	-1%
1-1/2"	50	\$168.14	\$336.27	\$330.00	\$336.27	-\$6.27	-2%
2"	103	\$328.54	\$657.08	\$650.00	\$657.08	-\$7.08	-1%
3"	327	\$944.13	\$1,888.26	\$1,880.00	\$1,888.26	-\$8.26	0%
4"	859	\$2,326.95	\$4,653.89	\$4,650.00	\$4,653.89	-\$3.89	0%
6"	1,105	\$4,126.93	\$8,253.86	\$8,250.00	\$8,253.86	-\$3.86	0%
-	_,_00	, .,	, -,	, =,====	, -,	72.30	2.0

^{*} Per Ordinance Chapter 27: commercial sewer deposit = 2 x assumed average bill at account start

SECTION 1. INTRODUCTION

This report presents the results of the Sanitary Sewer Utility Rate Study (Study) that was conducted for the sewer utility system (Utility) of the City of Columbia, Missouri (City). The following sections of this report describe in detail the base data, assumptions, results, as well as the conclusions and recommendations of the Study.

1.1 BACKGROUND

The City has conducted periodic rate studies for the Utility in recent years, the last of which was conducted in 2007. Since its last rate study, the Utility, as have many communities throughout the country, has experienced declines in billed volumes and reduced levels of customer growth which have affected its revenues. In addition, the Utility is experiencing financial challenges due to ongoing increases in operating costs as well as increasing capital improvement requirements to address system expansion, aging infrastructure, and regulatory mandates relative to inflow and infiltration issues.

The Utility has and continues to utilize debt to fund a large portion of its capital improvements, which requires a ballot issue and approval by the majority of voters. Once specified amounts of borrowing are approved, the Utility is then able to proceed with the issuance of debt and approval of any rate adjustments necessary to support the resulting repayment requirements. The most recent ballot referendum for the Utility was passed on November 5, 2013 totaling \$32.3 million in bonding authorization.

In order to ensure that the rates of the Utility will 1) provide sufficient revenue to meet its current and projected financial requirements, and 2) conform to accepted industry practice and result in a fair and equitable recovery of costs from its customers, the City issued a request for proposals (RFP) to retain a consultant to perform a comprehensive study of its rates and charges for the Utility. Burton & Associates was selected to perform the utility rate study, the results of which are presented herein.

BURTON & ASSOCIATES
Utility Rates • Assessments • Financial Planning

City of Columbia Final Report

1.2 OBJECTIVES

The principal objectives or components of the Study are as follows:

Revenue Sufficiency Analysis – Develop a multi-year plan of sewer rate revenue increases that will satisfy the annual operating, debt service, and capital requirements of the Utility as well as maintain adequate operating reserves.

Rate Structure Modifications – Develop modifications, as appropriate, to ensure that the City's sewer rates conform to accepted industry practice and reflect a fair and equitable distribution of system costs.

Connection Fee Update – Calculate updated connection fees based upon the cost of the Utility's current infrastructure and five-year capital improvements program (CIP).

Deposit Review – Review and develop modifications, as appropriate, to the Utility's level of residential and commercial security deposits.

Final Report

SECTION 2. REVENUE SUFFICIENCY ANALYSIS

2.1 DESCRIPTION

This section presents the financial management plan and corresponding plan of sewer rate adjustments developed in the Revenue Sufficiency Analysis (RSA) that was conducted as part of the Study. The following sub-sections of the report present a description of the base data, assumptions, and policies reflected in the RSA, as well as the results of the RSA. Appendix A includes detailed schedules supporting the financial management plan identified herein for the Utility.

During the RSA we reviewed alternative financial management plans and corresponding sewer rate revenue adjustment plans through interactive work sessions with City staff for a ten-year projection period of FY 2015 - FY 2024¹. During these work sessions, we examined the impact of various inputs or assumptions upon key financial indicators by use of graphical representations projected on a large viewing screen from our computer rate models. In this way, we developed the recommended financial management plan and corresponding plan of annual sewer rate adjustments presented in this report that will allow the Utility to fund its cost requirements throughout the projection period and meet its financial performance targets.

In order to initialize the RSA, we obtained the City's historical and budgeted financial information regarding the operation of the Utility. We also obtained the Utility's multi-year CIP, including annual renewal and replacement requirements. We documented the

¹ The RSA begins with FY 2014 data, however, the majority of this information serves as base data upon which future year projections of rate revenues and fund balances are based. As such, for purposes of this analysis, FY 2014 is not considered to be part of the ten-year projection period.

Utility's current debt service obligations and covenants, or promises made to bond holders or other lenders, relative to net income coverage requirements, reserves, etc. We also counseled with City staff regarding other assumptions and policies that would affect the financial performance of the Utility, such as billed volumes and customer growth, debt coverage levels, levels of operating reserves, earnings on invested funds, escalation rates for operating costs, etc.

All of this information was entered into our proprietary Financial Analysis and Management System (FAMS-XL©) interactive model. The FAMS-XL© model produced a ten-year projection of the sufficiency of the Utility's revenues to meet all of its current and projected financial requirements and determined the level of rate revenue increases necessary in each year of the projection period to provide sufficient revenues to fund all of the Utility's cost requirements.

FAMS-XL© utilizes all projected available and unrestricted funds in each year of the projection period to pay for capital projects. The model is set up to reflect the rules of cash application as defined and applied by City staff, and it produces a detailed summary of the funding sources to be used for each project in the CIP. To the extent that current revenues and unrestricted reserves are not adequate to fund all capital projects in any year of the projection period, the model identifies a borrowing requirement to fund those projects, or portions thereof that are determined to be eligible for borrowing. In this way the FAMS-XL© model is used to develop a borrowing program that includes the required borrowing amount by year and the resultant annual debt service obligations of the Utility for each year in the projection period.

2.2 SOURCE DATA

The following presents the key source data relied upon in conducting the RSA:

2.2.1 Beginning Fund Balances

The FY 2013 Comprehensive Annual Financial Report and supporting trial balance data provided by City staff as of September 30, 2013, were used to establish the beginning FY 2014 balances for each of the various funds of the Utility. It is important to note that

funds reserved or encumbered for specific capital projects were included in the beginning fund balances available for capital projects in FY 2014 and the associated capital costs were included in the CIP in FY 2014.

2.2.2 Revenues

The revenues utilized in the RSA reflect an evaluation of multiple years of historical results, 6 months of FY 2014 results, the FY 2014 Budget, and the Proposed FY 2015 Budget. For purposes of the RSA, revenues were grouped classified as rate revenue, interest income, connection fee revenue, or other minor revenue from miscellaneous service charges. Rate revenue is comprised of retail revenue, as well as revenue from the Boone County Regional Sewer District (BCRSD) and University of Missouri. Retail rate revenue is based upon estimated FY 2014 results as provided by City staff in July of 2014 (reflecting year-to-date results and extrapolations for the remainder of the fiscal year), adjusted annually to reflect additional revenue generated from assumed rate increases and customer growth as appropriate. Rate revenues projections for the BCRSD and University of Missouri are based upon the most recent completed fiscal year customer and billed volume data available (FY 2013), adjusted annually to reflect additional revenue generated from assumed rate increases and customer growth as appropriate. A summary of historical and projected annual revenues for the BCRSD and University of Missouri are presented in Schedules 4B and 4C, respectively, of Appendix A.

Projections of all other revenues were based upon the Proposed FY 2015 Budget, excluding connection fee revenue and interest earnings. Interest earnings projections were based upon discussions with City staff, while connection fee revenues were calculated annually based upon the number of connections and assumed fee of \$1,200 for a 5/8" meter starting in FY 2015. The RSA assumes the current fee of \$800 is charged for FY 2014, and \$1,200 is charged beginning in FY 2015 and each year thereafter. While the Study has identified that the City could increase its connection up to \$2,460 for a 5/8" meter, City staff is only recommending an initial increase to \$1,200. To the extent that additional increases to the connection fee are made in the future, they could serve to lower the amount of additional borrowing and/or rate revenue adjustments identified herein (all other things being equal).

2.2.3 Operating Expenditures

The Utility's operating expenditures include all operating and maintenance expenses, transfers, debt service requirements, and minor capital outlay. The RSA based operating expenditure projections on the individual expense categories and expenses amounts within the Proposed FY 2015 Budget, adjusted annually based upon assumed cost escalation factors that were reviewed with City staff (with the exception of debt service expenses which reflect the specific repayment schedules of each respective bond or loan, and minor capital outlay for fleet replacement which is based upon detailed schedules provided by City staff for each year of the projection period).

It is important to note that the RSA reflects a reduction of \$362,000 in salaries and related expenses in FY 2016 associated with the transfer of five full-time positions performing stormwater related functions to the Stormwater Enterprise Fund.

2.3 ASSUMPTIONS

The following presents the key assumptions utilized in the conduct of the RSA.

2.3.1 Cost Escalation

Annual cost escalation factors for the various types of operating and maintenance expenses were reviewed with City staff and applied in each year of the projection period beginning in FY 2016. The specific escalation factors assumed for the various categories of expenses can be seen on Schedule 2 of Appendix A.

2.3.2 Interest Earnings on Invested Funds

Based upon discussions with City staff, the interest income in the analysis reflects the amount within the Proposed FY 2015 Budget, reduced by \$25,000 per year beginning in FY 2016 throughout the remainder of the projection period.

2.3.3 Customer Growth

Based upon a review of recent historical trends and discussions with City staff, the RSA reflects 900 new retail sewer accounts in each year of the projection period, equating to an annual growth rate of approximately 2% per year. Furthermore, based upon a review

of recent historical growth in customers of the BCRSD and University of Missouri, the RSA reflects an assumed growth of 50 and 275 accounts, respectively, per year (which equates to an annual growth rate of approximately 1% per year for each entity).

2.3.4 Minimum Operating Reserve Balances

The financial management plan presented in this report assumes that the Utility will maintain a minimum fund balance in its operating fund equal to at least six (6) months of annual operations and maintenance expenses. This level of reserve is consistent with 1) our industry experience for similar systems, 2) the findings of reserve studies conducted by the AWWA, and 3) a "strong" level of reserves for a municipal utility system per the evaluation criteria published by the municipal utility ratings agency, Standard & Poor's.

2.3.5 Price Elasticity

This adjustment is incorporated into the analysis to reflect that as rates increase, discretionary water consumption (and therefore sewer billed volumes) will likely decline. Therefore, in order to generate sufficient revenue, projected rate increases will have to be adjusted to reflect a smaller revenue base to which they will be applied, thus causing the projected rate increases to be higher. The price elasticity adjustment reduces sewer volume-based revenues by the product of the annual rate increase and the annual assumed elasticity coefficient. In each year of the projection period, the price elasticity coefficient is 0.20, which means that for every 10% increase in price, the RSA reflects a 2% reduction in billed sewer volume.

2.3.6 Capital Projects Funding

City staff provided the multi-year CIP from FY 2015 through FY 2024. Beginning in FY 2016, the RSA includes an annual compound cost inflation factor of 3.0% (based upon recent increases observed in the Engineering News Record Construction Cost Index) to account for the inflation in the future cost of construction. In total, the CIP (including inflation) from FY 2015 through FY 2024 is approximately \$124.1 million. A detailed list of projects and costs by year can be seen on Schedule 6 of Appendix A.

2.3.7 Future Borrowing Assumptions

To the extent any additional new debt would be required in any year of the projection period to fund a portion of the CIP, it is assumed to carry the following terms:

Table 2-1 – Borrowing Assumptions					
Long-Term Debt					
Term	20 Years				
Interest Rate	3.75% to 5.25%				
Cost of Issuance	2.00% of par				

Based upon the financial management plan presented herein, periodic borrowing will continue to be required to fund a portion of the capital improvement needs of the Utility. It is expected that the current bonding authorization provided by the 2013 ballot issue will be fully utilized by FY 2017. At that point, it is projected that the City would need to initiate a subsequent ballot issue or issues to provide the bonding authority for the future borrowing requirements of the Utility identified in the RSA beginning in FY 2018.

2.3.8 Debt Service and Coverage

The debt service coverage test in the Utility's outstanding bond covenants is that:

✓ Net income must be at least 1.10 times annual debt service requirements.

It is important to note that this covenant (often referred to as a debt service coverage requirement) represents the minimum requirement of the Utility. Should the Utility be unable to meet this requirement, it could be found in technical default. This would result in the Utility facing a downgrade in its credit rating, which would affect the interest rate and terms of any future financing initiatives. As a policy decision, utilities often measure revenue sufficiency and set rates based upon a higher debt service coverage level so as to ensure compliance with these type of covenants in the event future projections of revenue and expenses do not occur as predicted (due to extended drought conditions, unanticipated capital requirements or operating cost increases, natural disasters, etc.). As such, the financial management plan presented herein reflects a target debt service coverage ratio for senior lien debt and for SRF debt of 1.25 throughout the projection

period, which is indicative of an "adequate" utility system per the evaluation criteria published by the municipal utility ratings agency, Standard & Poor's.

2.4 RESULTS

Based upon the data, assumptions, and financial policies presented herein, the Utility's current rates will not provide sufficient revenue to meet its debt service, capital, and operating cost requirements over a multi-year projection period. As such the RSA developed a financial management plan and corresponding plan of sewer rate revenue increases that will meet the Utility's current and projected cost requirements. Appendix A of this report includes several detailed schedules presenting all components of the financial management plan, while the recommended five-year sewer rate adjustment plan is presented in the following table:

Table 2-2 – Recommended Plan of Rate Revenue Increases									
Description	FY 15	FY 16	FY 17	FY 18	FY 19				
Effective Date	10/1/14	10/1/15	10/1/16	10/1/17	10/1/18				
Operating	0.0%*	1.0%	1.0%	1.0%	1.0%				
Capital	6.0%*	0.0%	5.0%	0.0%	1.0%				
Total Increase	6.0%*	1.0%	6.0%	1.0%	2.0%				

^{*}Recommended rate structure modifications would result in rate adjustments that would affect the cost of service to customers differently

The recommended rate adjustments are consistent with national trends and our industry experience. The U.S. Consumer Price Index (CPI) Water & Sewerage Maintenance Series, which specifically measures the average national change in the cost of water and wastewater service to households, has risen at an average annual rate of approximately 6% during the past ten years. Moreover, many of our clients across the country are presently experiencing rate increase requirements in the range of 3 to 8% per year.

2.5 CONCLUSIONS & RECOMMENDATIONS

We have reached the following conclusions and recommendations regarding the sufficiency of the current sewer rates of the Utility over the projection period:

- Based upon the assumptions and base data described herein, the revenue produced by the City's current rates is not sufficient to address the annual operating, capital, debt, and reserve requirements of the Utility.
- As such, we recommend that the City adopt the plan of annual rate revenue adjustments for the Utility presented in Table 2-2 for FY 2015 through FY 2019.
- Additionally, we recommend the City consider rate structure modifications for FY
 2015 as presented in Section 3 of this report. The recommended rate structure
 modifications conform to accepted industry practice and provide a fair and
 equitable distribution of costs to the various customers of the Utility.
- The Utility should update this analysis on an annual or bi-annual basis to evaluate the adequacy of its revenues and its plan of annual rate revenue increases. Doing so will allow for incorporation of updated revenue and expense information and changes in economic conditions so that any necessary adjustments to planned rate increases can be made to allow the Utility to meet its requirements during the projection period and minimize rate impacts to customers from future events which may occur differently than currently projected.

SECTION 3. RATE STRUCTURE MODIFICATIONS

Burton & Associates examined the current monthly sewer rates and developed recommended rate structure modifications that should be considered to conform to legal precedent and accepted industry rate making practices that will result in a fair and equitable distribution of the cost of service to the various customers of the Utility.

3.1 BASIS OF MODIFICATIONS

We have reviewed the City's current sewer rate structure, and while we conclude that it is generally fair and equitable, we do recommend certain modifications to the rate structure that will better conform to accepted industry practices in regards to level of base monthly charges and how those charges are adjusted for customers with larger meter sizes. The recommended modifications and resulting rates are intended for implementation on 10/1/2014 and embody the recommended FY 2015 rate revenue increases of 6.00%.

3.2 SEWER RATES

3.2.1 Monthly Base Charge

Current Rates – The current monthly base charge is \$7.30 per month for customers located inside the City. Customers located outside of the City are subject to a 50% surcharge, while the BCRSD pays 80% of the current monthly base charge for its customers that receive wholesale treatment and disposal service from the Utility per the terms of its service agreement with the Utility. The charge increases for commercial customers with larger meter sizes, while the charge for residential customers is the same regardless of meter size. It is important to note that multi-family residential properties (such as apartments, condominiums, townhomes, etc.) are classified as residential customers if each dwelling unit is individually-metered, or as commercial customers if the dwelling units within each multi-family building are served through a master-meter(s) (i.e. the dwelling units are not individually-metered).

Recommendation – There is a significant amount of industry practice and guidance relative to the establishment of base monthly charges. In evaluating the user charges or rates of a municipal utility system, the rating agencies will consider how a utility generates its revenues. Because a greater level of fixed charges leads to less volatility in a utility's revenue stream than a system that relies heavily or completely on volumetric charges, rating agencies view favorably utilities whose fixed-charge component generates a significant amount of their revenue stream. For example, Fitch publishes the criteria they use to evaluate municipal utility systems, and indicate that they view systems favorably that generate greater than 30% of their revenue from fixed monthly charges.

In light of the criteria of rating agencies as well as declining demands, many utility systems are looking to increase the amount of costs recovered in their monthly base charges in order to enhance fiscal stability and moderate the impact of declining demands. For many utility systems, the only variable costs they incur that can fluctuate with customer volumes are electricity and chemicals, which typically account for less than 10% of the annual cost of service. As such, a rate structure that relies upon volume-based rates for the recovery of a large portion of its costs carries a significant amount of financial exposure, particularly in environments of unstable or declining demands.

An emerging industry trend (which we are recommending for the Utility) is to establish base monthly charges that recover a portion of their annual revenue requirements that is equal to their administrative costs associated with customer service, meter reading, etc. plus annual debt service expenses. The Utility's administrative cost requirements and annual debt service expenses for existing debt represent approximately 40% of its annual revenue requirement in FY 2015. The establishment of base charges that would recover 40% of the Utility's FY 2015 revenue requirement would not only be viewed favorably by the municipal rating agencies, but also results in monthly base charges that are very comparable to those of other local utility systems.

As it relates to determining monthly base charges for each type of customer, common industry practice differentiates such charges by class of customer based upon the actual and potential usage characteristics of each customer class. Many utility systems apply

base charges 1) uniformly to all single-family residential customers, regardless of meter size, 2) per dwelling unit for multi-family residential accounts, with the charge per unit often times reflecting the ratio of use per dwelling unit to that of the single-family residential class, and 3) by meter size for commercial customers based upon observed billed volumes or the maximum capacity flows published by AWWA.

As the Utility presently has just two retail customer classes, residential and commercial, and is not able to readily identify which accounts are multi-family residential accounts (or the units the number of dwelling units for each account), we recommend that the Utility continue to apply monthly base charges uniformly to all of its residential accounts and scale or increase the charge for all of its commercial customers with meter sizes larger than 5/8" based upon the ratio of the maximum flow rates of each larger meter size to that identified of a 5/8" meter.

In the future, if the Utility is able to identify the accounts in its billing system that are multi-family accounts and the associated number of dwelling units for each such account, we would recommend it consider establishing a separate multi-family residential customer class. For this new class of customer, the monthly base charge could then be applied per dwelling unit for each multi-family account, and the charge per dwelling unit could be adjusted to reflect the ratio of billed volume per dwelling unit for multi-family accounts to the average or typical use per single-family residence.

3.2.2 Usage Rates

Current Rates – Usage or variable charges recover the remaining portion of system costs not recovered by monthly base charges in proportion to each customer's use of the system. The City currently employs a uniform rate per 100 cubic feet (CCF) of \$2.414 for the metered volume of all residential and commercial customers. Customers located outside of the City are subject to a 50% surcharge, while the BCRSD pays 80% of the current volume-based charge for its customers that receive wholesale treatment and disposal service from the Utility per the terms of its service agreement with the Utility.

Recommendation – The current sewer usage rate structure conforms to legal precedent and common industry practice. As such, our only recommendation is to update the level

of the charge to recover the remaining portion of the FY 2015 revenue requirement not recovered by the monthly base charges recommended herein.

3.3 PRICE ELASTICITY

As sewer rates increase, discretionary water (and therefore billed sewer volumes) will generally decline. Because changes in use in response to price are a function of the increase in price and the level of discretionary usage, the recommended modifications to the current rate structure are expected to have an impact on total billed sewer volume. The recommended rate structure is anticipated to produce an overall system-wide billed volume reduction of 2% as the modifications presented herein are minor in nature. That effect has been factored into the calculations of the FY 2015 rates presented in the report.

3.4 SCHEDULE OF RECOMMENDED RATES

It is our recommendation that the adjustments discussed in the prior sub-sections should be made to the current sewer rates to better conform to accepted industry practice and ensure a fair and equitable distribution of costs to the Utility's customers. Based upon discussions with City staff, it is our understanding that the City's customer billing system can accommodate these recommended changes in rate structure. Specific recommended sewer rates are presented on Schedule 1 of Appendix B for implementation on 10/1/2014 based upon the revenue requirements as identified in the RSA for FY 2015 and the rate structure modifications presented herein.

3.5 CUSTOMER IMPACT ANALYSIS

In considering implementation of the recommended sewer rates presented herein, it is important to examine the impact that those rates will have upon the monthly bill of the Utility's customers. Implementation of the recommended rates will impact customers with different usage patterns differently.

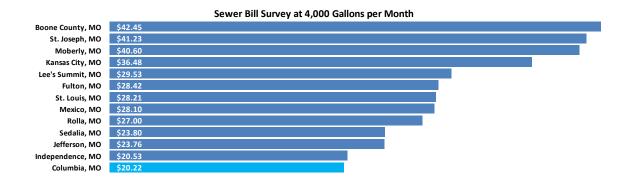
Schedule 2 in Appendix B presents the customer impact upon the monthly sewer bill of a residential customer with a 5/8" meter at various consumption levels in 1 CCF per month increments up to 20 CCF per month.

In addition to evaluating the impacts of the recommended rates to residential customers, Schedules 3, 4, and 5 of Appendix B present an analysis of the impact to the monthly bills of commercial customers with a 5/8", 1", and 2" meter, respectively. In addition, Schedule 6 of Appendix B presents the impacts of the recommended rates to certain commercial customers with larger and/or multiple meters.

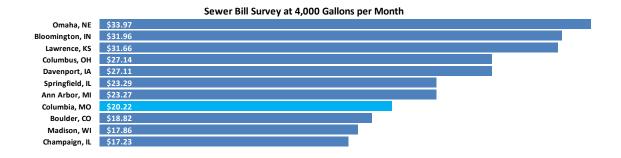
3.6 COMPARATIVE RATE SURVEY RESULTS

As part of the Study, we prepared FY 2014 residential rate surveys that compare the current monthly bill for the City's typical residential user to that of 1) neighboring communities and 2) comparable communities throughout the country. The rate surveys were performed to provide an understanding of the current market range of typical utility costs and how the City fits within that range.

The graph below presents the comparison of the monthly sewer charges of local communities for a single-family residential customer with a 5/8" meter based on 4,000 gallons of water use. As can be seen, the City is currently the lowest cost provider in the area for a typical residential user.



The following graph presents the comparison of the monthly sewer charges of comparable communities (defined as having major universities and being in the same general geographic region) to a residential customer with a 5/8" meter based on 4,000 gallons of water use. As can be seen, the City is currently very comparable in cost to other comparable communities.



SECTION 4. CONNECTION FEES

As part of the Study, Burton & Associates updated the City's sewer connection fees based upon the cost of its current infrastructure and five-year CIP. This section of the report presents the results of the update, including background information, legal

requirements, an explanation of the calculation methodology employed, results of the

analysis, as well as comparative connection/capacity fee survey information for local as

well as comparable communities.

4.1 BACKGROUND

The Utility's connection fees are assessed against new development in an attempt to cover the cost of providing capital facilities (infrastructure) needed to serve new development. Such charges are the mechanism by which new growth can "pay its own way" and minimize the extent to which existing customers must bear the cost of new or

expanded facilities which are necessitated by new customers.

The City currently assesses connection fees for the Utility that are designed to recover the cost of sewer capacity from new connectors to the system. These types of connection fees are commonly referred to as impact fees, capacity fees, system development charges, or capital charges, and for purposes of this report, the use of the term impact fees, capacity fees, system development charges, or capital charges is interchangeable with connection fees. The review of these fees included in this Study is intended to determine

if the current cost of capacity necessitates a change in the level of the City's current fees.

4.2 OBJECTIVES

The objectives of the update were to determine the full cost recovery connection fees for the Utility and to provide a comparison of these results not only to the City's current fees, but also to the sewer connection fees in other local as well as comparable communities.

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4.3 GENERAL METHODOLOGY

There are three primary approaches to the calculation of connection fees. The first approach is to determine the replacement cost of the system's major functional components as the cost basis for the fee calculation. This approach is most appropriate for a system with considerable excess capacity such that most new connections to the system will be served by that existing excess capacity.

The second approach is to use the portion of the system's multi-year CIP associated with the provision of additional system capacity by functional system component as the cost basis for the fee calculation. This approach is most appropriate where 1) the existing system has virtually no excess capacity to accommodate growth, and 2) the CIP has a significant number of projects that provide additional system capacity for each functional system component to be representative of the cost of capacity for an entire system.

The third approach is to use a combination of the two approaches described above. This approach is most appropriate when 1) there is excess capacity in the current system that will accommodate some growth, and 2) the CIP includes projects that will provide some amount of system expansion, but does not necessarily have a sufficient amount of projects in each functional area to be reflective of a total system.

The third approach, was used for the Utility because some growth can be accommodated by the current capacity of the system, yet the CIP contains a number of projects that will result in some level of expansion to the system. Using the combined approach effectively provides connection fees that reflect a weighing of the cost of current excess capacity and the cost of future capacity to be provided in the CIP, both of which will contribute to new connections being able to receive service from the Utility.

4.4 BASIS OF THE ANALYSIS

The first step in calculating updated sewer connection fees was to determine the capacity cost for each system function: wastewater transmission/pumping, wastewater treatment/disposal, and administration. The cost basis for the analysis was 1) the replacement cost new less depreciation (RCNLD) of the Utility's existing major system

components, and 2) the portion of the multi-year CIP providing additional capacity or expanding the system.

4.5 CAPACITY COSTS

City staff provided the Utility's current asset inventory as of 9/30/13 that included a description, date in service, original cost, and useful life for each system asset. These assets were classified by system function and a RCNLD was calculated for each asset record using the data provided by the City and the Engineering News Record Construction Cost Index. The Utility's fixed asset information, including RCNLD for each item, is summarized by function on Schedule 2 in Appendix C.

In addition to the Utility's fixed assets, City staff provided the multi-year CIP and classified each project by system function as well as identified the percentage of each project that was associated with the provision of additional system capacity. Schedule 3 in Appendix C identifies the multi-year CIP utilized in the analysis.

Once the capacity costs were identified for each functional component, two adjustments were then made to those costs. The first adjustment deducted the amount of costs historically and estimated to be received or funded from other sources, such as grants or developer contributions. The second adjustment added the interest costs associated with the portion of the capacity costs that have been or will be funded with debt.

Relative to the second adjustment, a subsequent credit was included in the calculation for the net present value of the debt service that will be recovered in user fees after new customers connect to the Utility to avoid double recovery of debt-funded costs. Upon connection to the sewer system, new customers will begin to receive sewer service and will pay the rates associated with that service. The Utility's rates for sewer service recover the principal and interest payments (debt service) associated with the debt incurred to fund the capital costs of the sewer system. Therefore, in order to avoid a double recovery of those capital costs in the connection fees and user fees/rates, a credit was calculated based upon the net present value of the annual debt service (through the

term of the debt) that the average connection (connecting at the mid-point in time between now and term of the outstanding debt) will pay after connecting to the Utility.

4.6 CAPACITY & ERU DETERMINATION

The capacity of the system in million gallons per day (MGD) upon completion of the five-year CIP was discussed with City staff. That treatment capacity (25.2 MGD) was then converted to equivalent residential units (ERUs) based upon the Utility's 275 gallons per day (gpd) per ERU. The capacity costs for each functional component were divided by the capacity of the system in ERUs to determine the Utility's capacity cost per ERU.

It is important to note that prior to determining the final connection fee per ERU, a reduction was made to the capacity cost per ERU as an allowance for estimation and contingencies as an additional measure of conservatism to enhance the defensibility of the calculated fees presented herein in the event of a future legal challenge. Schedule 1 in Appendix C presents the sewer connection fee calculation details, including the system costs, borrowing assumptions, debt service credits, and the allowance for estimation and contingencies by system function.

4.7 UPDATED FEE AMOUNTS

Based upon the information provided by the City, the analysis results in an updated sewer connection fee for a 5/8" connection (1 ERU) of \$2,460 as shown in the table below. This represents an increase of \$1,660 or approximately 200% above the current fee.

Table 4-1 – U	pdated Sewer C	Connection Fee	
Fee per ERU*	Current	Update	\$ Chg.
Fee for 5/8" Meter	\$800	\$2,460	\$1,660

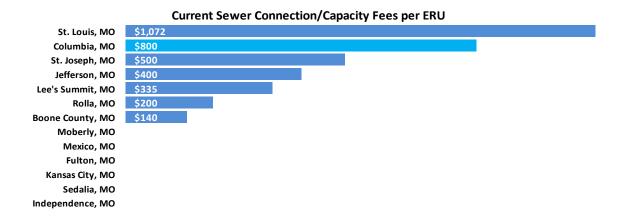
*ERU = Equivalent Residential Unit

It is important to note that the City has discretion regarding the percentage of cost recovery utilized in the establishment of connection fees. Adoption of connection fees at full cost recovery would lessen the pressure on user fees or rates by providing more revenue to pay for expansion-related capital costs, thus reducing the debt to be recovered

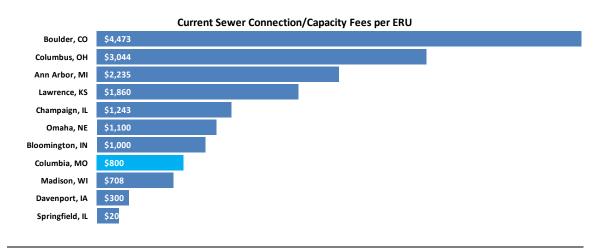
in user fees/rates that would otherwise be necessary to fund those costs. However, based upon the change in the level of connection fee per the analysis presented herein, we recommend that the City consider a multi-year approach to increasing its current schedule of connection fees.

4.8 CONNECTION FEE SURVEY

As part of the analysis, we performed surveys of the fees in other neighboring as well as comparable communities in the general geographic region to provide the market range of sewer connection fees. The graph below presents the results of the connection fee survey performed for local communities. As can be seen, a number of communities in the surrounding area either do not have connection fees or have very modest fees.



The graph below presents the results of the survey performed for comparable communities. As can be seen, similar communities outside of the local area have higher fees that are more consistent with the updated amount identified herein for the Utility.



It is important to note that the reader must view the comparison with caution as no in depth analysis has been performed to identify the methods used in the development of the sewer connection/capacity fees imposed by the other public utilities, nor has any analysis been performed to determine whether 100% of the cost of new facilities is recovered from such fees (or if some percentage of the costs are recovered through user fees). Additionally, no analysis was conducted as to the types of capital facilities currently in service or planned for the utilities surveyed.

Some reasons why these types of fees differ among utilities include the following:

- ✓ Type and complexity of treatment
- ✓ Effluent disposal method
- ✓ Density of service area
- ✓ Availability of grant funding to finance CIP
- ✓ Age of system
- ✓ Utility life cycle (e.g., growth-oriented vs. mature)
- ✓ Level of service standards
- ✓ Administrative policies

4.9 RECOMMENDATIONS

Based upon the analysis presented herein, we recommend that the City:

- Consider increasing its sewer connection fees to \$2,460 per ERU via a multi-year program of gradual increases.
- Use the same maximum capacity flow ratios identified by the AWWA to establish the fees for commercial customers with larger meter sizes as is recommended for the monthly base charges for such customers. Schedule 4 of Appendix C contains a list of current and updated fees by meter size, including the maximum capacity flow ratios published by the AWWA for each meter size.

SECTION 5. DEPOSITS

This section of the report presents the results and recommendations of the review and evaluation of sewer customer deposits that was conducted as part of the Study.

5.1 BASIS OF ANALYSIS AND RESULTS

The City currently charges deposits to its various types of customers that are based upon meter size (single-family residential), the number of dwelling units (multi-family residential), or assumed usage at account initiation (commercial). As part of the Study, Burton & Associates reviewed the current deposits and determined that the City should increase its single-family and multi-family residential deposits in order to recover lost revenue associated with the time period (two months) of service provided prior to service shut-off based upon the current average monthly volumes and monthly service charges. A two-month period was determined to be representative of the duration of revenue/cost exposure associated with non-payment due to the billing and subsequent shut-off procedure of the Utility as discussed with City staff.

Moreover, we identified a deposit by meter size for commercial customers based upon the average usage of existing customers that could be used when assumed average usage data at account initiation may not be available.

The following table presents a summary of the deposit analysis prepared as part of the Study, including a comparison of the current and recommended deposits for each type of customer by meter size or number of units, as appropriate.

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Sc	hedule of P	Proposed Se	wer Deposi	its - Based o	n 2 Average	Monthly B	ills
	Average	Average					
	Monthly	Monthly	Sewer	Proposed			
Meter	Usage	Sewer	Revenue	Sewer	Current		
Size	(Ccf's)	Charge	Exposure	Deposit	Deposit*	\$ Chg.	% Chg.
Resident	tial						
5/8"	5	\$18.83	\$37.67	\$40.00	\$20.00	\$20.00	100%
3/4"	5	\$20.53	\$41.06	\$40.00	\$20.00	\$20.00	100%
1"	7	\$24.46	\$48.92	\$40.00	\$20.00	\$20.00	100%
1-1/2"	6	\$22.07	\$44.14	\$50.00	\$20.00	\$30.00	150%
2"	11	\$34.67	\$69.33	\$50.00	\$20.00	\$30.00	150%
Multi-Fa	mily			(pe	r Unit)		
First 25	Units			\$20.00	\$10.00	\$10.00	100%
Units ir	n excess of 25	5		\$10.00	\$5.00	\$5.00	100%
Maxir	mum Deposit	of \$1,000					
Commer	cial						
5/8"	6	\$22.59	\$45.18	\$45.00	\$45.18	-\$0.18	0%
3/4"	24	\$70.76	\$141.51	\$140.00	\$141.51	-\$1.51	-1%
1"	23	\$81.08	\$162.17	\$160.00	\$162.17	-\$2.17	-1%
1-1/2"	50	\$168.14	\$336.27	\$330.00	\$336.27	-\$6.27	-2%
2"	103	\$328.54	\$657.08	\$650.00	\$657.08	-\$7.08	-1%
3"	327	\$944.13	\$1,888.26	\$1,880.00	\$1,888.26	-\$8.26	0%
4"	859	\$2,326.95	\$4,653.89	\$4,650.00	\$4,653.89	-\$3.89	0%
6"	1,105	\$4,126.93	\$8,253.86	\$8,250.00	\$8,253.86	-\$3.86	0%

^{*} Per Ordinance Chapter 27: commercial sewer deposit = 2 x assumed average bill at account start:

5.2 RECOMMENDATIONS

Based upon the analysis presented herein, we recommend that the City:

- Update its residential sewer service deposits to the amounts identified herein to more appropriately reflect the actual potential lost revenue due to non-payment.
- Continue the current practice of using estimated volumes for commercial accounts (if available) to determine deposit amounts, and use the amounts identified herein for each meter size when reliable estimates are not available.
- The City should also consider accepting a letter of good credit and/or performing a credit check (at the customer's expense) in lieu of providing a security deposit.
- The City should increase the deposit amounts annually for all customer classes based upon the level of applicable sewer rate increases.

APPENDIX A – REVENUE SUFFICIENCY ANALYSIS

Supporting Schedules

The Schedules on the following pages present the supporting assumptions and results of the Revenue Sufficiency Analysis.

	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Annual Water System Growth:											
Customer Growth	N/A	2.12%	2.08%	2.04%	1.99%	1.96%	1.92%	1.88%	1.85%	1.81%	1.78%
Use Growth	N/A	2.12%	2.08%	2.04%	1.99%	1.96%	1.92%	1.88%	1.85%	1.81%	1.78%
Interest Earnings Rate:											
Average Annual Interest Earnings Rate (1)	N/A										
Working Capital Reserve Target:											
Policy Target (Number of Months of O&M)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Price Elasticity Coefficient:											
Applicable to Rate Revenue - Usage Component	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Operating & Maintenance Cost Escalation Rates:											
PERMANENT POSITIONS	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
TEMPORARY POSITIONS	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
HOLIDAY PAY TEMP	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
SHIFT DIFFERENTIAL	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
STEP UP PAY	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
MEAL ALLOWANCES	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
DEFERRED COMP MATCH	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
CELL PHONE ALLOWANCE	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
JEAN ALLOWANCE	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
OVERTIME	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
STANDBY PAY	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
PREMIUM VACATION	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
PREMIUM HOLIDAY	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
SICK LEAVE BUY BACK	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
NON-ACCTBLE AUTO ALLOW	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
SOCIAL SECURITY	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
UNEMPLOYMENT	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
RAILROAD TAX	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
LAGERS	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
POLICE & FIRE PENSION	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
DISABILITY INSURANCE	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
WORKERS COMPENSATION	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
EMPLOYEE HEALTH INSURANCE	N/A	N/A	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
LIFE INSURANCE	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
MISC PERSONNEL COSTS	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
OTHER BENEFITS	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
EMPLOYEE SERVICE AWARDS	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
EMPLOYEE PARKING	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%

	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
SAFETY AWARDS	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
RETIREMENT SICK LEAVE PMT	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
POST EMPLOYMENT BENEFIT	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
BUDGETARY CONTROL	N/A	N/A	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
CONSTRUCTION MATERIALS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
OFFICE SUPPLIES	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
PRINTING	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
POSTAGE	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
BOOKS & SUBSCRIPTIONS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
EMPLOYEE SERVICE AWARDS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
DATA PROC & ELECTRONIC	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
MISCELLANEOUS OFFICE	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
HORTICULTURAL SUPPLIES	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
PHOTOGRAPHY SUPPLIES	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
JANITORIAL SUPPLIES	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
FUEL OIL & LUBRICANTS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
JOB SITE MEALS 19-100	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
MEDICAL SUPPLIES	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
FOOD	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
LABORATORY SUPPLIES	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
MISCELLANEOUS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
PARTS-FLEET MAINTENANCE	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
EQUIPMENT PARTS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
COMMUNICATION EQUIPMENT	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
INSTRUMENTS & APPARATUS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
TOOLS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
UNIFORMS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
CLOTHING	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
SAFETY EQUIPMENT	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
JOB SITE MEALS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
FURNITURE	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
COMPUTER/ELECTRONIC ITEMS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
OTHER MISCELLANEOUS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
BUDGETARY CONTROL	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
TRAVEL	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EDUCATION & TRAINING MATS	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
REGISTRATION & TUITION	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SMALL DOLLAR TRAVEL	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BUDGETARY CONTROL	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MAIL SERVICE & PRINT SHOP	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
PUBLIC COMMUNICATIONS FEE	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
WEB DESIGN/MAINT CHRGS	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%

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	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
COMPUTER REPLACEMENT COST	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
IT SUPPORT & MAINTENANCE	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
I.S. PC & PRINTER MAINT.	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
JANITORIAL SERVICE	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
GENERAL ADMINISTRATIVE FE	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
UTILITY ACCTS & BILLING	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
GIS FEE	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
FIBER OPTICS	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
LOCATOR SERVICE CHARGE	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
SELF INSURANCE CHRGS	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
EMP HEALTH/WELLNESS FEE	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
CITY UNIVERSITY	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
MAINTENANCE PROJECT	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
BLDG. MAINTENANCE-REGULAR	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
BUILDING UTILITY CHARGES	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
BUDGETARY CONTROL	N/A	N/A	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
WATER	N/A	N/A	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
GAS	N/A	N/A	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
ELECTRIC	N/A	N/A	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
TELEPHONE	N/A	N/A	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
SEWER	N/A	N/A	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
REFUSE	N/A	N/A	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
FUEL OIL	N/A	N/A	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
STORM WATER	N/A	N/A	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
WIRELESS COMMUNICATIONS	N/A	N/A	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
OTHER UTILITIES	N/A	N/A	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
LEGAL FEES	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
ENGINEERING FEES	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
FINANCIAL FEES	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
CONSULTING FEES	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
INFILTRATION & INFLOW	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
RECORDS MANAGEMENT FEES	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
MEDICAL SERVICES	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
OTHER PROFESSIONAL FEES	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
DUES	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
PUBLISHING & ADVERTISING	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
RENTALS	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
BUILDING RENTALS	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
EQUIPMENT RENTALS	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
LAND RENTALS	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%

	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
CITY VEHICLE PARKING	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Pool Billing-Fleet Ops	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
MAINTENANCE AGREEMENTS	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
VEHICLE MAINTENANCE	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
EQUIPMENT MAINTENANCE	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
VEHICLE SERVICE	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
MONTHLY AUTO REIMBURSEMNT	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
LICENSE & CERT. REIMBURSE	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
DRUG TESTING	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
NONCONTRACTUAL SERVICES	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
MISCELLANEOUS CONTRACTUAL	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
BUDGETARY CONTROL	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
REFUNDS	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
BANK & PAYING AGENT FEES	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
INSURANCE PREMIUMS	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
BOILER & EXPLOSION INS	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
DAMAGE CLAIMS	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
FINES	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
BAD DEBT EXPENSE	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
LOSS ON DISPOSAL ASSETS	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
CONTINGENCY	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
MISCELLANEOUS	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
LAND	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
BUILDING & STRUCTURES	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
CAPITAL IMPR TO BUILDINGS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
AIR EASEMENTS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
STREETS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
AUTOS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
TRUCKS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
FURNITURE	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
OFFICE EQUIPMENT	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
MACHINE TOOLS & IMPLEMENT	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
INSTRUMENTS & APPARATUS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
COMPUTER EQUIPMENT	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
COMMUNICATIONS EQUIPMENT	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
SOFTWARE	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
TRAFFIC SIGNALS & SIGNS	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
BUDGETARY CONTROL	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
INSURANCE REIMBURSABLE	N/A	N/A	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
DEPRECIATION	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
AMORTIZATION	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
AMORTIZATION OF CONTRIBTN	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
INTEREST EXPENSE	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PRINCIPAL	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2008B S.O. Bonds	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
GENERAL FUND	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CAPITAL PROJECTS-GEN GOV	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
STORM WATER	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TRANSFERS	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SUSTAINABILITY FUND	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
FTE Transfer Adjustment	N/A	N/A	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%
Weighted Average Annual Cost Escalation	N/A	N/A	-0.19%	2.94%	2.96%	2.98%	3.00%	3.02%	3.04%	3.06%	3.09%
Operating & Maintenance Expense Execution Rates:											
Percent of Annual Personal Services Budget	100.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%
Percent of Annual Fixed Operating Budget	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%
Percent of Annual Variable Operating Budget	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%
Capital Improvement Program Cost Escalation Rates:											
Compounded Annual Cost Escalation	0.0%	0.0%	3.0%	6.1%	9.3%	12.6%	15.9%	19.4%	23.0%	26.7%	30.5%
Capital Improvement Program Execution Rate:											
Percent of Annual CIP Budget	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

⁽¹⁾ The interest income in the analysis reflects the budgeted amounts for FY 2014 and FY 2015. In FY 2016 and each year thereafter, we have assumed a reduction in interest earnings of \$25,000 per year, as recommended by City Staff.

FY 2014 Beginning Balances

Schedule 2

SOURCE: FY 2013 CAFR & Trial Balances provided by City Staff

GROUPING OF	FUND	S IN MODEL	Rev	venue Fund	Bon	d Proceeds	estricted Reserves
CURRENT UNRESTRICTED ASSETS							
Cash and Cash Equivalents			\$	7,279,183		5,598,325	2,243,300
Investments			·	-		-	-
Receivables (net of allowance for uncollectables)				1,912,389		-	-
Grants Received				-		2,510,843	-
Accrued Interest				50,726		-	-
Loans Receivable from Other Funds				-		-	-
Inventories				-		-	-
Prepaid Items				201		-	-
Funds for Debt Service Expenses				7,673,172		-	-
Minimum Operations & Maintenance Reserve				919,863		-	-
Customer Security and Escrow Deposits				-		-	548,237
Contingency				-		-	200,000
Restricted Assets - Statutory Restrictions				-		-	948,634
TOTAL CURRENT ASSETS			\$	17,835,534	\$	8,109,168	\$ 3,940,171
Accounts Payable				(268,861)		-	-
Accrued Payroll and Payroll Taxes				(227,286)		-	-
Accrued Compensated Absences				(179,217)		-	-
Other Liabilities				(12,923)		-	-
Construction Contracts Payable				(4,282,207)		-	-
Accrued Interest				(813,574)		-	-
Revenue Bonds Payable - Current Maturities				-		-	-
Special Obligation Bonds Payable - Current Maturities				-		-	-
Customer Security and Escrow Deposits				-		-	(548,237)
NET UNRESTRICTED FUND BALANCE			\$	12,051,465	\$	8,109,168	\$ 3,391,934
Fund Summary							
Bond Proceeds	\$	8,109,168	\leftarrow				
Revenue Fund	\$	12,051,465	\leftarrow				
Restricted Reserves	\$	3,391,934	\leftarrow				
Total Consolidated Fund Balance	\$	23,552,567					

Capital Improvement Program Schedule 3

	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Project Description											
Annual 100-Acre Point Trunks Revolving Fd - C43111 [ID: 749]	\$ -	140,000	140,000	140,000	140,000	140,000	-	-	-	-	-
	\$ -	2,000,000	2,000,000	2,000,000	2,000,000	6,000,000	4,000,000	4,000,000	4,000,000	-	-
Annual Private Common Collectors - C43112 [ID: 752]	\$ -	500,000	500,000	500,000	500,000	500,000	500,000	-	-	-	-
Annual Sewer Main and Manhole Rehab - C43100 [ID: 753] - Ent Rev	\$ 500,000	-	-	-	-	-	-	-	-	-	-
Annual Sewer Main and Manhole Rehab - C43100 [ID: 753] - Ballot	\$ -	700,000	700,000	700,000	700,000	700,000	500,000	500,000	-	-	-
Annual Sewer System Improvements - C43183 [ID: 750] - Ent Rev	\$ 500,000	-	-	-	-	-	-	-	-	-	-
Annual Sewer System Improvements - C43183 [ID: 750] - Ballot	\$ -	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	500,000	500,000	500,000	-	-
Additional I&I Per Regulatory Mandate	\$ -	-	-	-	-	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000
Calvert Drive Sewer Relocation [ID: 1698]	\$ -	20,000	200,000	-	-	-	-	-	-	-	-
FBRS - Elm & 6th Street [ID: 1863] - Ballot	\$ -	658,820	-	-	-	-	-	-	-	-	-
FBRS - Elm & 6th Street [ID: 1863] - Ent Rev	\$ 500,000	-	-	-	-	-	-	-	-	-	-
FBRS - Elm & 6th Street [ID: 1863] - PYA Ent Rev	\$ 1,177,180	-	-	-	-	-	-	-	-	-	-
FBRS - Stadium to Elm [ID: 1862] - Ballot	\$ -	541,180	-	-	-	-	-	-	-	-	-
FBRS - Stadium to Elm [ID: 1862] - Ent Rev	\$ 1,661,138	-	-	-	-	-	-	-	-	-	-
FBRS - Stadium to Elm [ID: 1862] - PYA Ent Rev	\$ 897,682	-	-	-	-	-	-	-	-	-	-
FBRS to Turner Relief Sewer - C43250 [ID: 1793] - Ballot	\$ 50,000	210,000	-	-	-	-	-	-	-	-	-
FBRS to Turner Relief Sewer - C43250 [ID: 1793] - Developer Contribution	\$ 150,000	-	-	-	-	-	-	-	-	-	-
North Grindstone Creek Bank Stabilization C43244 [ID: 1530]	\$ -	194,794	-	-	-	-	-	-	-	-	-
PCCE # 3 - Stewart & Medavista - C43198 [ID: 780]	\$ -	100,000	-	-	-	-	-	-	-	-	-
PCCE # 8 : Thilly Lathrop C43221 [ID: 1241]	\$ -	570,000	-	-	-	-	-	-	-	-	-
PCCE #14 - Cliff Drive C43239 [ID: 1367]	\$ -	290,000	-	-	-	-	-	-	-	-	-
PCCE #18 - Spring Valley Road C43241 [ID: 1365]	\$ -	-	40,000	-	-	-	-	-	-	-	-
PCCE #24 - St. James & St. Joseph [ID: 1604]	\$ -	15,000	119,100	-	-	-	-	-	-	-	-
PCCE #27 - Grace Ellen [ID: 1606]	\$ -	15,000	93,000	-	-	-	-	-	-	-	-
Ridgeway Cottages [ID: 1319]	\$ -	-	16,000	-	-	-	-	-	-	-	-
Stadium & I-70 Sewer Relocation C43236 [ID: 1387]	\$ -	-	152,764	-	-	-	-	-	-	-	-
Upper Hinkson Creek Outfall Ext. C43213 [ID: 806] (2008 Ballot)	\$ -	6,700,000	-	-	-	-	-	-	-	-	-
Upper Hinkson Creek Outfall Ext. C43213 [ID: 806] (Bond Proceeds)	\$ -	431,545	-	-	-	-	-	-	-	-	-
Upper Meredith Branch Stream Bank Stabilize. C43245 [ID: 1531]	\$ -	450,000	-	-	-	-	-	-	-	-	-
Woodrail Sewer Replacement Project [ID: 1528]	\$ -	-	260,000	-	-	-	-	-	-	-	-
FBRS - 4th Street - Elm to Rogers/Broadway [ID: 1864]	\$ -	-	-	-	354,400	3,189,600	-	-	-	-	-
Henderson Branch Sewer Ext. (Midway Sewer Ext) [ID: 1060]	\$ -	300,000	-	2,300,000	-	-	-	-	-	-	-
North Grindstone Outfall Ext. Phase III C43214 [ID: 732]	\$ -	-	-	-	-	1,140,000	-	-	-	-	-
PCCE #16 - Bingham Rd & West Ridgeley Rd C43240 [ID: 1366]	\$ -	-	-	130,000	-	-	-	-	-	-	-
PCCE #20 - Ridgemont [ID: 1369]	\$ -	24,000	-	216,000	-	-	-	-	-	-	-
PCCE #20 - Ridgemont [ID: 1369]	\$ 20,000	-	-	-	-	-	-	-	-	-	-
PCCE #22 - Shannon Place [ID: 1603]	\$ -	-	-	-	15,000	61,400	-	-	-	-	-
PCCE #25 - Glenwood & Redbud [ID: 1605]	\$ -	-	-	-	50,000	510,000	-	-	-	-	-
WWTP - Digester Complex Improvements [ID: 1303]	\$ -	-	410,000	3,690,000	-	-	-	-	-	-	-
Haystack Acres Pump Station Interceptor C43230 [ID: 1304]	\$ 125,000	-	-	-	-	-	545,955	-	-	-	-
B-8 Relief Sewer - Rangeline & Vandiver [ID: 794]	\$ -	-	-	-	-	-	200,000	1,400,000	-	-	-
B-9 Relief Sewer - Garth & Vandiver [ID: 795]	\$ -	-	-	-	-	-	60,000	540,000	-	-	-
C-5 Trunk Relief Swr-Rock Quarry:Nifong-Zoe [ID: 802]	\$ -	-	-	-	-	-	25,000	225,000	-	-	-
Gans Creek Pump Station Upgrade [ID: 1196]	\$ -	-	-	-	-	-	200,000	2,000,000	-	-	-
Lower Southwest Outfall Relief Sewer [ID: 798]	\$ -	-	-	-	-	-	60,000	640,000	-	-	-
M-2 Interceptor Relief -Merideth Branch Crk [ID: 796]	\$ -	-	-	-	-	-	40,000	350,000	-	-	-
Prathersville Area Sewer District [ID: 1527]	\$ -	-	-	-	-	-	35,000	290,000	-	-	-

Capital Improvement Program Schedule 3

	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Project Description											
Sewer District #171 - Crites Lane [ID: 1361]	\$ _	-	-	-	-	-	-	10,950	62,050	-	-
Sewer District - Hillcreek Road [ID: 1370]	\$ -	-	-	-	-	-	-	64,500	365,500	-	-
Sexton Road Relief Sewer [ID: 1326]	\$ -	-	-	-	-	-	200,000	2,000,000	-	-	-
Southwest Trunk #2 Relief Sewer [ID: 799]	\$ -	-	-	-	-	-	50,000	650,000	-	-	-
Stephens Park Sewer Relocation [ID: 747]	\$ -	-	-	-	-	-	15,000	75,000	-	-	-
Upper Bear Creek Sewer Replacement [ID: 1529]	\$ -	-	-	-	-	-	50,000	470,000	-	-	-
Upper Southwest Outfall Relief [ID: 800]	\$ -	-	-	-	-	-	25,000	250,000	-	-	-
Woodstock MHP WWTP Interceptor [ID: 1526]	\$ -	-	-	-	-	-	10,000	90,000	-	-	-
Cow Branch Outfall [ID: 725]	\$ -	-	-	-	-	-	-	300,000	-	850,000	850,000
Hominy Branch Outfall Ext:LOW Rd-Mxco Grvl [ID: 727]	\$ -	-	-	-	-	-	-	200,000	-	633,333	633,333
Little Bonne Femme Regional Pump Station [ID: 729]	\$ -	-	-	-	-	-	-	750,000	-	2,333,333	2,333,333
Rocky Fork Outfall Sewer [ID: 733]	\$ -	-	-	-	-	-	-	-	-	233,333	233,333
Total CIP Budget	\$ 5,581,000	14,860,339	5,630,864	10,676,000	4,759,400	17,241,000	11,015,955	19,305,450	8,927,550	8,050,000	8,050,000
Annual CIP Execution Rate	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Adjusted CIP to be Executed	\$ 5,581,000	14,860,339	5,630,864	10,676,000	4,759,400	17,241,000	11,015,955	19,305,450	8,927,550	8,050,000	8,050,000
Annual Adjustment to CIP	\$ _	-	-	-	-	-	-	-	-	-	_
Annual Adjustment for Compounded Cost Escalation (1)	\$ -	-	168,926	651,236	442,624	2,172,366	1,751,537	3,745,257	2,053,337	2,149,350	2,455,250
Final CIP Funding Level	\$ 5,581,000	14,860,339	5,799,790	11,327,236	5,202,024	19,413,366	12,767,492	23,050,707	10,980,887	10,199,350	10,505,250

⁽¹⁾ Annual cost escalation factor of 3.00% is based upon the 5-year average increase in utility construction costs, per the Engineering News Record Construction Cost Index (ENR-CCI).

		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
1 Rate Revenue Growth Assumption	ons:											
2 Customer Growth		N/A	2.12%	2.08%	2.04%	1.99%	1.96%	1.92%	1.88%	1.85%	1.81%	1.78%
3 Use Growth		N/A	2.12%	2.08%	2.04%	1.99%	1.96%	1.92%	1.88%	1.85%	1.81%	1.78%
4 Annual Rate Revenue Increases:	(1)											
5 Base Charge Increases		N/A	30.23%	1.00%	6.00%	1.00%	2.00%	6.00%	6.00%	6.00%	6.00%	6.00%
6 Volume Charge Increases		N/A	-6.12%	1.00%	6.00%	1.00%	2.00%	6.00%	6.00%	6.00%	6.00%	6.00%
7 Rate Revenue:												
8 SEWER CHARGES - Base Charge		\$ 5,352,191	7,118,064	7,338,630	7,937,296	8,176,601	8,503,263	9,186,377	9,920,853	10,710,395	11,558,967	12,470,811
9 SEWER CHARGES - Volume		\$ 10,704,381	10,388,131	10,688,606	11,421,827	11,742,656	12,162,939	12,982,374	13,852,106	14,775,059	15,754,322	16,793,155
10 Total Rate Revenue		\$ 16,056,572	17,506,195	18,027,236	19,359,123	19,919,257	20,666,202	22,168,751	23,772,959	25,485,454	27,313,289	29,263,966
11 Other Operating Revenues:												
12 State Fees		\$ 38,962	38,962	38,962	38,962	38,962	38,962	38,962	38,962	38,962	38,962	38,962
13 Mu Sewer Charges		\$ 1,401,536	1,447,097	1,474,759	1,580,199	1,609,675	1,658,703	1,775,633	1,901,189	2,035,887	2,179,958	2,333,634
14 Sharecropping		\$ 5,106	15,140	15,140	15,140	15,140	15,140	15,140	15,140	15,140	15,140	15,140
15 Bcrsd Wholesale Revenue		\$ 720,577	826,427	844,823	907,438	927,095	957,507	1,027,269	1,102,006	1,182,214	1,268,030	1,359,592
16 Hauled Liquid Waste		\$ 34,000	36,040	36,040	36,040	36,040	36,040	36,040	36,040	36,040	36,040	36,040
17 Columbia Foods-Surcharge		\$ 48,868	51,940	51,940	51,940	51,940	51,940	51,940	51,940	51,940	51,940	51,940
18 Misc. Operating Revenue		\$ 2,690	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
19 Federal Revenues		\$ -	-	-	-	-	-	-	-	-	-	-
20 Sewer Connection Fee		\$ 720,000	1,080,000	1,080,000	1,080,000	1,080,000	1,080,000	1,080,000	1,080,000	1,080,000	1,080,000	1,080,000
21 Total Other Operating Revenues		\$ 2,971,740	3,497,606	3,543,665	3,711,718	3,760,852	3,840,292	4,026,984	4,227,276	4,442,183	4,672,070	4,917,308
22 Non-Operating Revenues:												
23 Federal Revenues		\$ -	-	-	-	-	-	-	-	-	-	-
24 State Grant		\$ -	-	-	-	-	-	-	-	-	-	-
25 Municipal Contributions		\$ -	-	-	-	-	-	-	-	-	-	-
26 Gains		\$ -	-	-	-	-	-	-	-	-	-	-
27 Losses		\$ -	-	-	-	-	-	-	-	-	-	-
28 Babs Interest Revenue		\$ 196,537	196,537	196,537	196,537	196,537	196,537	196,537	196,537	196,537	196,537	196,537
29 Other Interest		\$ 297,963	267,442	242,442	217,442	192,442	167,442	142,442	117,442	92,442	67,442	42,442
30 Gasb 31 Adj. Pool		\$ -	-	-	-	-	-	-	-	-	-	-
31 Miscellaneous		\$ 577,916	-	-	-	-	-	-	-	-	-	-
32 Special Fuels Tax Refund		\$ -	-	-	-	-	-	-	-	-	-	-
33 Spec Asses Tax Bills		\$ -	-	-	-	-	-	-	-	-	-	-
34 Deferred		\$ -	-	-	-	-	-	-	-	-	-	-
35 Insurance		\$ -	-	-	-	-	-	-	-	-	-	-
36 Vending Commissions		\$ 360	350	350	350	350	350	350	350	350	350	350

			FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
37	Auction Revenues	\$	_	-	-	-	-	-	-	-	-	-	-
38	St Maintenance Tax Bills	\$	-	-	-	-	-	-	-	-	-	-	-
39 I	Miscellaneous Revenue	\$	-	-	-	-	-	-	-	-	-	-	-
40 I	Miscellaneous Revenue	\$	-	-	-	-	-	-	-	-	-	-	-
41 l	nterest Income-Allocated	\$	-	-	-	-	-	-	-	-	-	-	-
42 I	Miscellaneous	\$	-	-	-	-	-	-	-	-	-	-	-
	Auction Revenues	\$	4,000	-	-	-	-	-	-	-	-	-	-
	General Fund	\$	-	-	-	-	-	-	-	-	-	-	-
	Bad Debt Expense	\$	-	-	-	-	-	-	-	-	-	-	-
	Extension Permit Fees	\$	9,000	9,090	9,090	9,090	9,090	9,090	9,090	9,090	9,090	9,090	9,090
47 I	Miscellaneous	\$	-	-	-	-	-	-	-	-	-	-	-
48 <i>I</i>	Auction Revenues	\$	-	-	-	-	-	-	-	-	-	-	-
49 I	Miscellaneous	\$	-	-	-	-	-	-	-	-	-	-	-
50 l	nsurance	\$	-	-	-	-	-	-	-	-	-	-	-
	Auction Revenues	\$	2,869	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
52 I	Miscellaneous	\$	-	-	-	-	-	-	-	-	-	-	-
	Auction Revenues	\$	-	-	-	-	-	-	-	-	-	-	-
54 I	Miscellaneous	\$	-	-	-	-	-	-	-	-	-	-	-
55 I	Miscellaneous	\$	-	-	-	-	-	-	-	-	-	-	-
56 I	nsurance	\$	-	-	-	-	-	-	-	-	-	-	-
57	Auction Revenues	\$	-	-	-	-	-	-	-	-	-	-	-
58 I	Miscellaneous	\$	-	-	-	-	-	-	-	-	-	-	-
59	Auction Revenues	\$	_	-	-	-	-	-	-	-	-	-	-
60 [Miscellaneous	\$	895	-	-	-	-	-	-	-	-	-	-
	Auction Revenues	Ś	21,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	Miscellaneous	\$	· -	-	-	, -	-	-	-	-	-	-	· -
_	otal Non-Operating Revenues	\$	1,110,540	477,919	452,919	427,919	402,919	377,919	352,919	327,919	302,919	277,919	252,919
64 <u>Tr</u>	ansfers In:												
65 (General Fund	\$	-	-	-	-	-	-	-	-	-	-	-
66 (Cdbg	\$	-	-	-	-	-	-	-	-	-	-	-
67 \	Water Utility Fund	\$	-	-	-	-	-	-	-	-	-	-	-
68	Transfers To Other Funds	\$	_	-	-	-	-	-	-	-	-	-	-
69 (Contribution	Ś	_	_	_	_	_	_	_	_	_	_	_
	Annual	Ś	_	_	_	_	_	_	_	_	_	_	_
	Contribution	Ś	-	_	_	_	_	_	_	_	_	_	_
	Contribution	Ś	375,000	375,000	375,000	375,000	375,000	375,000	375,000	375,000	375,000	375,000	375,000
_	otal Transfers In:	\$	375,000	375,000	375,000	375,000	375,000	375,000	375,000	375,000	375,000	375,000	375,000
-	OTAL CASH INFLOWS	\$	20,513,852	21,856,720	22,398,819	23,873,761	24,458,028	25,259,412	26,923,653	28,703,154	30,605,556	32,638,278	34,809,193

⁽¹⁾ FY 2015 rate adjustments reflect recommended rate structure modifications

BCRSD - History of Revenues Schedule 4A

Fiscal Year:	<u> </u>	2003	200	<u>04</u>	<u> </u>	2005		<u>2006</u>		<u>2007</u>		2008		<u>2009</u>		<u>2010</u>		<u>2011</u>		<u>2012</u>		<u>2013</u>
Customers																						
Average		1,717		1,792		1,877		1,911		2,164		2,323		2,912		3,164		3,174		3,221		3,273
Change in Customers		-		76		84		35		253		159		589		252		10		47		52
% Change		0.00%		4.40%		4.71%		1.85%		13.21%		7.36%		25.36%		8.66%		0.32%		1.48%		1.61%
<u>Gallons</u>																						
Total (Gallons)	100	,113,244	110,86	56,471	111	,729,865	11	0,720,369	12	24,308,894	13	35,343,190	16	4,866,567	17	8,717,366	18	31,593,664	1	81,254,311	18	2,809,441
Total (CCF)		133,841	14	48,217		149,371		148,022		166,188		180,940		220,410		238,927		242,772		242,319		244,398
Change (CCF)		-	1	14,376		1,154		(1,350)		18,166		14,752		39,470		18,517		3,845		(454)		2,079
% Change		0.00%	1	10.74%		0.78%		-0.90%		12.27%		8.88%		21.81%		8.40%		1.61%		-0.19%		0.86%
Invoice Amount																						
Total	\$	150,113	\$ 16	9,743	\$	180,715	\$	188,962	\$	219,319	\$	252,494	\$	356,845	\$	444,528	\$	521,449	\$	612,667	\$	712,733
Change (\$)		-	1	19,630		10,972		8,247		30,356		33,176		104,351		87,683		76,921		91,218		100,066
% Change		0.00%	1	13.08%		6.46%		4.56%		16.06%		15.13%		41.33%		24.57%		17.30%		17.49%		16.33%
Base Rate:													\$	5.30	\$	6.09	\$	7.00	\$	6.35	\$	7.30
Volume Charge:													\$	1.25	•	1.44	-	1.66		2.10		2.41
Calculation Based on His	torical	Rates:											\$	368,589	\$	460,248	\$	535,722	\$	603,269	\$	701,364
Difference:													\$	(11,744)	\$	(15,720)	\$	(14,274)	\$	9,398	\$	11,369

APPENDIX A

BCRSD - Forecast of Revenues	Schedule 4B
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Fiscal Year:	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	2020	<u>2021</u>	<u>2022</u>	<u>2023</u>	2024
Customers											
Average	3,321	3,371	3,421	3,471	3,521	3,571	3,621	3,671	3,721	3,771	3,821
Change in Customers	48	50	50	50	50	50	50	50	50	50	50
% Change	1.46%	6 1.51%	6 1.48%	1.46%	1.44%	1.42%	1.40%	1.38%	1.36%	1.34%	1.33%
Gallons											
Total (Gallons)	184,809,231	186,896,114	188,975,259	191,046,806	193,110,893	195,167,652	197,217,211	199,259,695	201,295,224	203,323,914	205,345,880
Total (CCF)	247,071	249,861	252,641	255,410	258,170	260,919	263,659	266,390	269,111	271,823	274,527
Change (CCF)	2,674	2,790	2,780	2,769	2,759	2,750	2,740	2,731	2,721	2,712	2,703
% Change	1.09%	1.13%	6 1.11%	1.10%	1.08%	1.07%	1.05%	1.04%	1.02%	1.01%	0.99%
Invoice Amount											
Total	\$ 720,577	\$ 826,427	\$ 844,823	\$ 907,438	\$ 927,095	\$ 957,507	\$ 1,027,269	\$ 1,102,006	\$ 1,182,214	\$ 1,268,030	\$ 1,359,592
Change (\$)	7,844	105,849	18,397	62,614	19,657	30,412	69,762	74,737	80,208	85,817	91,562
% Change	1.109	14.69%	6 2.23%	7.41%	2.17%	3.28%	7.29%	7.28%	7.28%	7.26%	7.22%
Base Rate:	\$ 7.30	\$ 11.01	\$ 11.12	\$ 11.79	\$ 11.91	\$ 12.15	\$ 12.88	\$ 13.65	\$ 14.47	\$ 15.34	\$ 16.26
Volume Charge:	\$ 2.41	•	•	\$ 2.43	\$ 2.45	\$ 2.50	•	•	\$ 2.98	•	\$ 3.35

SANITARY SEWER UTILITY RATE STUDY APPENDIX A

Missouri University - History & Forecast of Revenues

Schedule 4C

		Histo	orv I						Forecast					
Fiscal Year:	20	012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Base Rate	\$	6.35	7.30	7.30	11.01	11.12	11.79	11.91	12.15	12.88	13.65	14.47	15.34	16.26
Volume Charge	\$	2.10	2.41	2.41	2.27	2.29	2.43	2.45	2.50	2.65	2.81	2.98	3.16	3.35
Customers		27,127	27,432	27,707	27,982	28,257	28,532	28,807	29,082	29,357	29,632	29,907	30,182	30,457
Growth (# of Customer		-	305	275	275	275	275	275	275	275	275	275	275	275
Growth (% Change)		0.00%	0.00%	1.00%	0.99%	0.98%	0.97%	0.96%	0.95%	0.95%	0.94%	0.93%	0.92%	0.91%
Volume	5	04,084	491,880	496,799	501,767	506,784	511,852	516,971	522,140	527,362	532,635	537,962	543,341	548,775
Growth (% Change)		0.00%	-2.42%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Meter Fee	\$ 1	.72,257	200,257	202,265	308,087	314,223	336,398	343,097	353,352	378,124	404,483	432,761	462,999	495,238
Volume Fee	\$ 1,0	58,072	1,187,398	1,199,272	1,139,010	1,160,536	1,243,801	1,266,578	1,305,351	1,397,509	1,496,706	1,603,126	1,716,959	1,838,396
Total Bill	\$ 1,2	30,329	1,387,655	1,401,536	1,447,097	1,474,759	1,580,199	1,609,675	1,658,703	1,775,633	1,901,189	2,035,887	2,179,958	2,333,634
% Change		0.00%	12.79%	1.00%	3.25%	1.91%	7.15%	1.87%	3.05%	7.05%	7.07%	7.08%	7.08%	7.05%

		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
1 Administrative Expense												
2 Personal Services Expenses												
3 PERMANENT POSITIONS	\$	164,867	160,498	163,708	166,982	170,322	173,728	177,203	180,747	184,362	188,049	191,810
4 TEMPORARY POSITIONS	\$	-	-	-	-	-	-	-	-	-	-	-
5 SHIFT DIFFERENTIAL	\$	-	-	-	-	-	-	-	-	-	-	-
6 STEP UP PAY	\$	-	-	-	-	-	-	-	-	-	-	-
7 MEAL ALLOWANCES	\$	-	-	-	-	-	-	-	-	-	-	-
8 DEFERRED COMP MATCH	\$	3,383	4,797	4,893	4,991	5,091	5,192	5,296	5,402	5,510	5,620	5,733
9 CELL PHONE ALLOWANCE	\$	254	174	177	181	185	188	192	196	200	204	208
10 JEAN ALLOWANCE	\$	-	-	-	-	-	-	-	-	-	-	-
11 OVERTIME	\$	-	-	-	-	-	-	-	-	-	-	-
12 SICK LEAVE BUY BACK	\$	3,992	3,329	3,396	3,463	3,533	3,603	3,675	3,749	3,824	3,900	3,978
13 NON-ACCTBLE AUTO ALLOW	\$	3,976	3,152	3,215	3,279	3,345	3,412	3,480	3,550	3,621	3,693	3,767
14 SOCIAL SECURITY	\$	12,546	12,401	12,649	12,902	13,160	13,423	13,692	13,966	14,245	14,530	14,820
15 LAGERS	\$	28,736	27,719	28,273	28,839	29,416	30,004	30,604	31,216	31,840	32,477	33,127
16 DISABILITY INSURANCE	\$	517	498	508	518	528	539	550	561	572	583	595
17 EMPLOYEE HEALTH INSURANCE	\$	16,867	14,098	15,226	16,444	17,759	19,180	20,715	22,372	24,161	26,094	28,182
18 LIFE INSURANCE	\$	129	154	157	160	163	167	170	173	177	180	184
19 MISC PERSONNEL COSTS	\$	-	-	-	-	-	-	-	-	-	-	-
20 OTHER BENEFITS	\$	-	-	-	-	-	-	-	-	-	-	-
21 EMPLOYEE SERVICE AWARDS	\$	82	95	97	99	101	103	105	107	109	111	114
22 EMPLOYEE PARKING	\$	2,038	1,358	1,385	1,413	1,441	1,470	1,499	1,529	1,560	1,591	1,623
23 SAFETY AWARDS	\$	-	-	-	-	-	-	-	-	-	-	-
24 RETIREMENT SICK LEAVE PMT	\$	283	283	289	294	300	306	312	319	325	332	338
25 POST EMPLOYMENT BENEFIT	\$	30	-	-	-	-	-	-	-	-	-	-
26 BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
27 Sub-Total Personal Services Expens	es \$	237,700	228,556	233,973	239,566	245,344	251,316	257,494	263,886	270,506	277,366	284,479
28 Personal Services Expenses Execution		100%	95%	95%	95%	95%	95%	95%	95%	95%	95%	959
29 Total Personal Services Expenses	\$	237,700 \$	217,128 \$	222,274 \$	227,588 \$	233,077 \$	238,751 \$	244,619 \$	250,692 \$	256,981 \$	263,498 \$	270,255
30 Fixed Operating Expenses												
31 CONSTRUCTION MATERIALS	\$	_	250	256	263	269	276	283	290	297	305	312
32 OFFICE SUPPLIES	\$	2,200	3,900	3,998	4,097	4,200	4,305	4,412	4,523	4,636	4,752	4,871
33 PRINTING	\$	700	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249
34 POSTAGE	Ś	5	-	-	-	-	-	-	-	-	-	
35 BOOKS & SUBSCRIPTIONS	Ś	300	300	308	315	323	331	339	348	357	366	375
36 DATA PROC & ELECTRONIC	Ś	500	750	769	788	808	828	849	870	892	914	937
37 PHOTOGRAPHY SUPPLIES	\$ \$	_	-	-	-	-	-	-	-	-	-	23.
38 FUEL OIL & LUBRICANTS	\$ \$	500	500	513	- 525	538	552	566	580	594	609	624
39 JOB SITE MEALS 19-100	\$	500	-	-	-	-	-	-	-	-	-	
40 MEDICAL SUPPLIES	ć	_	300	308	315	323	331	339	348	357	366	375
40 MEDICAL SUPPLIES 41 FOOD	\$ *	500	750	769	788	808	828	849	870	892	914	937
41 FOOD 42 MISCELLANEOUS	\$ \$	700	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189		1,249
42 MISCELLANEOUS 43 PARTS-FLEET MAINTENANCE	\$	4,800	4,800	4,920	5,043	5,169	1,104 5,298	5,431	5,567	5,706	1,218 5,848	5,995
	\$ \$	4,800	4,000	4,920	5,043	3,103	5,298	3,431	3,307	5,706	3,040	5,995
44 COMMUNICATION EQUIPMENT	\$	9	-	-	-	-	-	-	-	-	-	-
45 INSTRUMENTS & APPARATUS	\$	-	-	-	-	-	-	-	-	-	-	-

			FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
46	UNIFORMS	\$	-	-	-	-	-	-	-	-	-	-	-
47	CLOTHING	\$	-	-	-	-	-	-	-	-	-	-	-
48	SAFETY EQUIPMENT	\$	400	400	410	420	431	442	453	464	475	487	500
49	FURNITURE	\$	-	-	-	-	-	-	-	-	-	-	-
50	COMPUTER/ELECTRONIC ITEMS	\$	4,758	500	513	525	538	552	566	580	594	609	624
51	OTHER MISCELLANEOUS	\$	-	-	-	-	-	-	-	-	-	-	-
52	BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
53	TRAVEL	\$	350	350	350	350	350	350	350	350	350	350	350
54	EDUCATION & TRAINING MATS	\$	263	263	263	263	263	263	263	263	263	263	263
55	REGISTRATION & TUITION	\$	1,570	1,570	1,570	1,570	1,570	1,570	1,570	1,570	1,570	1,570	1,570
56	SMALL DOLLAR TRAVEL	\$	-	-	-	-	-	-	-	-	-	-	-
57	BUDGETARY CONTROL	\$	_	_	-	-	-	-	_	-	_	-	_
58	MAIL SERVICE & PRINT SHOP	\$	_	_	-	-	-	-	-	-	-	-	-
59	PUBLIC COMMUNICATIONS FEE	\$	35,058	41,481	42,725	44,007	45,327	46,687	48,088	49,530	51,016	52,547	54,123
60	WEB DESIGN/MAINT CHRGS	Ś	· -	_	-	-	-	-	-	-	· -	-	-
61	COMPUTER REPLACEMENT COST	\$	351	410	422	435	448	461	475	490	504	519	535
62	IT SUPPORT & MAINTENANCE	\$	200	200	206	212	219	225	232	239	246	253	261
63	I.S. PC & PRINTER MAINT.	Ś		-	-			-		-		-	
64	GENERAL ADMINISTRATIVE FE	\$	638,085	761,911	784,768	808,311	832,561	857,538	883,264	909,762	937,054	965,166	994,121
65	UTILITY ACCTS & BILLING	Ś	302,943	259,642	267,431	275,454	283,718	292,229	300,996	310,026	319,327	328,907	338,774
66	GIS FEE	Š	16,554	17,979	18,518	19,074	19,646	20,236	20,843	21,468	22,112	22,775	23,459
67	SELF INSURANCE CHRGS	Š	9,450	6,103	6,286	6,475	6,669	6,869	7,075	7,287	7,506	7,731	7,963
68	BUDGETARY CONTROL	Š	-	-	-	-	-	-	-,075	-,20	-	-,,,,,,	-
69	LEGAL FEES	Š	_	_	_	_	_	_	_	_	_	_	_
70	CONSULTING FEES	Ś	_	_	_	_	_	_	_	_	_	_	_
71	RECORDS MANAGEMENT FEES	Š	_	_	_	_	_	_	_	_	_	_	_
72	DUES	¢	7,319	7,319	7,539	7,765	7,998	8,238	8,485	8,739	9,001	9,271	9,550
73	PUBLISHING & ADVERTISING	ç	7,313	7,313	-	-	7,556	-	-	-	5,001	3,271	5,550
74	BUILDING RENTALS	ç	_	_	_	_	_	_	_		_		
75	EQUIPMENT RENTALS	ç	1,600	1,200	1,236	1,273	1,311	1,351	1,391	1,433	1,476	1,520	1,566
76	Pool Billing-Fleet Ops	ç	1,000	-	-	-	-	-	-	-	-	-	1,500
77	MAINTENANCE AGREEMENTS	٠ خ	200	300	309	318	328	338	348	358	369	380	391
78	VEHICLE MAINTENANCE	٠ خ	2,400	2,784	2,868	2,954	3,042	3,133	3,227	3,324	3,424	3,527	3,632
79	EQUIPMENT MAINTENANCE	٠ خ	2,400	200	2,808	2,934	219	225	232	239	246	253	261
	LICENSE & CERT. REIMBURSE	ş ç	200	200	-	-	219	-	- 232	259	-	255	201
80		Ş	-	-	-		-	-	-	-	-	-	-
81	NONCONTRACTUAL SERVICES	\$	-	-	- 4 020	-	4 000	- 4 4 2 6	- 4.450	-	4 220	4 267	4 205
82	MISCELLANEOUS CONTRACTUAL	\$	66,000	1,000	1,030	1,061	1,093	1,126	1,159	1,194	1,230	1,267	1,305
83	BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
84	FINES	\$	400.005	-	-	-	-	-	- 02.460	-	-	-	-
85	BAD DEBT EXPENSE	\$	100,003	72,000	74,160	76,385	78,676	81,037	83,468	85,972	88,551	91,207	93,944
86	MISCELLANEOUS	\$	2,743	3,000	3,075	3,152	3,231	3,311	3,394	3,479	3,566	3,655	3,747
87 .	BUDGETARY CONTROL	\$	-	-	 		-	-	-	-	-		
	Sub-Total Fixed Operating Expenses	\$	1,200,161	1,192,162	1,227,774	1,264,452	1,302,229	1,341,136	1,381,209	1,422,481	1,464,988	1,508,769	1,553,860
	Fixed Operating Expenses Execution Rate		95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
90	Total Fixed Operating Expenses	Ś	1.140.153	S 1.132.554	\$ 1,166,385	S 1.201.230	S 1.237.117	S 1.274.079	S 1.312.148	S 1.351.357	S 1.391.739	\$ 1,433,330	\$ 1,476,167

1 Tojection of cash outhows												illeddie 5
	ļ	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
91 Variable Operating Expenses			-									
92 TELEPHONE	\$	13,374	14,000	14,700	15,435	16,207	17,017	17,868	18,761	19,699	20,684	21,719
93 WIRELESS COMMUNICATIONS	\$	3,848	4,000	4,200	4,410	4,631	4,862	5,105	5,360	5,628	5,910	6,205
94 Sub-Total Variable Operating Expenses	\$	17,222	18,000	18,900	19,845	20,837	21,879	22,973	24,122	25,328	26,594	27,924
95 Variable Operating Expenses Execution Rate		75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
96 Total Variable Operating Expenses	\$	12,917 \$	13,500 \$	14,175 \$	14,884 \$	15,628 \$	16,409 \$	17,230 \$	18,091 \$	18,996 \$	19,946 \$	
97 Engineering Expense												
98 Personal Services Expenses												
99 PERMANENT POSITIONS	\$	594,835	595,288	607,194	619,338	631,724	644,359	657,246	670,391	683,799	697,475	711,424
100 TEMPORARY POSITIONS	\$	31,487	48,839	49,816	50,812	51,828	52,865	53,922	55,001	56,101	57,223	58,367
101 HOLIDAY PAY TEMP	\$	-	-	-	-	-	-	-	-	-	-	-
102 STEP UP PAY	\$	-	-	-	-	-	-	-	-	-	-	-
103 MEAL ALLOWANCES	\$	175	330	337	343	350	357	364	372	379	387	394
104 DEFERRED COMP MATCH	\$	10,418	16,855	17,192	17,536	17,887	18,244	18,609	18,981	19,361	19,748	20,143
105 CELL PHONE ALLOWANCE	\$	500	648	661	674	688	701	715	730	744	759	774
106 OVERTIME	\$	2,302	2,195	2,239	2,284	2,329	2,376	2,423	2,472	2,521	2,572	2,623
107 SICK LEAVE BUY BACK	\$	267	1,538	1,569	1,600	1,632	1,665	1,698	1,732	1,767	1,802	1,838
108 NON-ACCTBLE AUTO ALLOW	\$	2,425	2,850	2,907	2,965	3,024	3,085	3,147	3,210	3,274	3,339	3,406
109 SOCIAL SECURITY	\$	47,061	49,854	50,851	51,868	52,905	53,964	55,043	56,144	57,267	58,412	59,580
110 UNEMPLOYMENT	\$	-	-	-	-	-	-	-	-	-	-	-
111 LAGERS	\$	100,133	97,753	99,708	101,702	103,736	105,811	107,927	110,086	112,287	114,533	116,824
112 DISABILITY INSURANCE	\$	1,877	2,608	2,660	2,713	2,768	2,823	2,879	2,937	2,996	3,056	3,117
113 EMPLOYEE HEALTH INSURANCE	\$	62,071	88,433	95,508	103,148	111,400	120,312	129,937	140,332	151,559	163,683	176,778
114 LIFE INSURANCE	\$	670	912	930	949	968	987	1,007	1,027	1,048	1,069	1,090
115 OTHER BENEFITS	\$	-	-	-	-	-	-	-	-	-	-	-
116 EMPLOYEE SERVICE AWARDS	\$	477	572	583	595	607	619	632	644	657	670	684
117 EMPLOYEE PARKING	\$	8,830	8,827	9,004	9,184	9,367	9,555	9,746	9,941	10,139	10,342	10,549
118 SAFETY AWARDS	\$	-	-	-	-	-	-	-	-	-	-	-
119 RETIREMENT SICK LEAVE PMT	\$	1,667	1,700	1,734	1,769	1,804	1,840	1,877	1,914	1,953	1,992	2,032
120 POST EMPLOYMENT BENEFIT	\$	177	-	-	-	-	-	-	-	-	-	-
121 BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
122 FTE Transfer Adjustment	\$	-	-	(362,000)	(374,670)	(387,783)	(401,356)	(415,403)	(429,942)	(444,990)	(460,565)	(476,685)
123 Sub-Total Personal Services Expenses	\$	865,372	919,202	580,892	592,810	605,235	618,207	631,770	645,970	660,861	676,497	692,939
124 Personal Services Expenses Execution Rate		100%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
125 Total Personal Services Expenses	\$	865,372 \$	873,242 \$	551,847 \$	563,170 \$	574,974 \$	587,297 \$	600,181 \$	613,672 \$	627,818 \$	642,672 \$	658,292
126 Fixed Operating Expenses												
127 CONSTRUCTION MATERIALS	\$	200	200	205	210	215	221	226	232	238	244	250
128 OFFICE SUPPLIES	\$	3,500	3,500	3,588	3,677	3,769	3,863	3,960	4,059	4,160	4,264	4,371
129 PRINTING	\$	2,000	2,000	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,437	2,498
130 POSTAGE	\$	1,050	1,050	1,076	1,103	1,131	1,159	1,188	1,218	1,248	1,279	1,311
131 BOOKS & SUBSCRIPTIONS	\$	-	-	-	-	-	-	-	-	-	-	-
132 PHOTOGRAPHY SUPPLIES	\$	250	250	256	263	269	276	283	290	297	305	312
133 JANITORIAL SUPPLIES	\$	-	-	-	-	-	-	-	-	-	-	-
134 FUEL OIL & LUBRICANTS	\$	12,000	12,000	12,300	12,608	12,923	13,246	13,577	13,916	14,264	14,621	14,986

		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
135 JOB SITE MEALS 19-100	\$	-	-	-	-	-	-	-	-	-	-	-
136 FOOD	\$	-	-	-	-	-	-	-	-	-	-	-
137 MISCELLANEOUS	\$	250	250	256	263	269	276	283	290	297	305	312
138 PARTS-FLEET MAINTENANCE	\$	4,000	4,000	4,100	4,203	4,308	4,415	4,526	4,639	4,755	4,874	4,995
139 EQUIPMENT PARTS	\$	200	200	205	210	215	221	226	232	238	244	250
140 COMMUNICATION EQUIPMENT	\$	-	-	-	-	-	-	-	-	-	-	-
141 INSTRUMENTS & APPARATUS	\$	-	-	-	-	-	-	-	-	-	-	-
142 TOOLS	\$	120	120	123	126	129	132	136	139	143	146	150
143 UNIFORMS	\$	100	100	103	105	108	110	113	116	119	122	125
144 CLOTHING	\$	250	250	256	263	269	276	283	290	297	305	312
145 SAFETY EQUIPMENT	\$	1,000	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249
146 FURNITURE	Ś	-	-	-	-	-	· -	-	-	-	-	-
147 COMPUTER/ELECTRONIC ITEMS	s s	3,625	3,625	3,716	3,809	3,904	4,001	4,101	4,204	4,309	4,417	4,527
148 OTHER MISCELLANEOUS	s s	-	-	-	-	-	-	-	-	-	, -	-
149 BUDGETARY CONTROL	Ś	_	_	_	_	_	_	_	_	_	_	_
150 TRAVEL	Ś	1,545	350	350	350	350	350	350	350	350	350	350
151 EDUCATION & TRAINING MATS	Ś	_,-,-	600	600	600	600	600	600	600	600	600	600
152 REGISTRATION & TUITION	Ś	3,260	3,466	3,466	3,466	3,466	3,466	3,466	3,466	3,466	3,466	3,466
153 SMALL DOLLAR TRAVEL	Š	-	-	-	-	-	-	-	-	-	-	-
154 BUDGETARY CONTROL	Ś	_	_	_	_	_	_	_	_	_	_	_
155 COMPUTER REPLACEMENT COST	Ś	6,685	5,658	5,828	6,003	6,183	6,368	6,559	6,756	6,959	7,167	7,382
156 IT SUPPORT & MAINTENANCE	Ś	33,900	35,663	36,733	37,835	38,970	40,139	41,343	42,583	43,861	45,177	46,532
157 I.S. PC & PRINTER MAINT.	Ś	33,300	-	-	37,833	38,370	40,133	-	42,363	43,801	45,177	40,552
158 JANITORIAL SERVICE	Ś	23,184	23,789	24,503	25,238	25,995	26,775	27,578	28,405	29,257	30,135	31,039
159 SELF INSURANCE CHRGS	Ś	37,842	37,856	38,992	40,161	41,366	42,607	43,885	45,202	46,558	47,955	49,393
160 MAINTENANCE PROJECT	Ś	37,842	37,830	38,332	40,101	41,300	42,007	43,883	43,202	-	47,555	49,393
161 BLDG. MAINTENANCE-REGULAR	\$	15,978	15,885	16,362	16,852	17,358	17,879	18,415	18,968	19,537	20,123	20,726
162 BUILDING UTILITY CHARGES	\$	15,998	16,888	17,395	17,916	18,454	19,008	19,578	20,165	20,770	21,393	22,035
163 BUDGETARY CONTROL	\$	13,556	10,000	17,393	17,910	10,434	19,008	15,576	20,103	20,770	21,393	22,033
	ş \$	7 500			7.057				8,955			0.706
164 LEGAL FEES 165 CONSULTING FEES	ş S	7,500 15,225	7,500 15,225	7,725 15,682	7,957	8,195 16,637	8,441 17,136	8,695	8,955 18,179	9,224	9,501 19,287	9,786 19,865
166 DUES	ş		1,200		16,152			17,650		18,725		
	\$	1,077		1,236	1,273	1,311	1,351	1,391	1,433	1,476	1,520	1,566
167 PUBLISHING & ADVERTISING 168 RENTALS	\$	250	250	258	265	273 219	281	290	299	307	317	326
	ş S	-	200	206	212	219	225	232	239	246	253	261
169 BUILDING RENTALS	\$	2 200	2 200	2 200	2 224	2 404	2.476	2.550	2 627	2.700	2 707	2.074
170 EQUIPMENT RENTALS 171 CITY VEHICLE PARKING	\$ \$	2,200	2,200	2,266	2,334	2,404	2,476	2,550	2,627	2,706	2,787	2,871
	\$ \$	4,755	4,753	4,896	5,042	5,194	5,350	5,510	5,675	5,846	6,021	6,202
172 Pool Billing-Fleet Ops		50	50	52	53	55	56	58	60	61	63	65
173 MAINTENANCE AGREEMENTS	\$	10,900	10,900	11,227	11,564	11,911	12,268	12,636	13,015	13,406	13,808	14,222
174 VEHICLE MAINTENANCE	\$	4,500	5,800	5,974	6,153	6,338	6,528	6,724	6,926	7,133	7,347	7,568
175 EQUIPMENT MAINTENANCE	\$	-	-	-	-	-	-	-	-	-	-	-
176 VEHICLE SERVICE	\$	-	-	-	-	-	-	-	-	-	-	-
177 MONTHLY AUTO REIMBURSEMNT	\$	-	-	-	-	-	-	-	-	-	-	-
178 LICENSE & CERT. REIMBURSE	\$	200	200	206	212	219	225	232	239	246	253	261
179 NONCONTRACTUAL SERVICES	\$	200	200	206	212	219	225	232	239	246	253	261
180 MISCELLANEOUS CONTRACTUAL	\$	23	-	-	-	-	-	-	-	-	-	-
181 BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
182 BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
183 Sub-Total Fixed Operating Expenses	\$	213,817	217,178	223,418	229,842	236,455	243,262	250,270	257,484	264,911	272,556	280,426
184 Fixed Operating Expenses Execution Rate		95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
185 Total Fixed Operating Expenses	\$	203,126	206,319	\$ 212,247	218,350	\$ 224,632	\$ 231,099	\$ 237,757	244,610	\$ 251,665 \$	258,928	\$ 266,405

1 Tojection of cash outnows										- 30	ilcudic 5
	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
186 Variable Operating Expenses											
187 TELEPHONE	\$ 5,603	5,600	5,880	6,174	6,483	6,807	7,147	7,505	7,880	8,274	8,687
188 WIRELESS COMMUNICATIONS	\$ 1,969	2,300	2,415	2,536	2,663	2,796	2,935	3,082	3,236	3,398	3,568
189 Sub-Total Variable Operating Expenses	\$ 7,572	7,900	8,295	8,710	9,145	9,602	10,083	10,587	11,116	11,672	12,255
190 Variable Operating Expenses Execution Rate	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
191 Total Variable Operating Expenses	\$ 5,679	\$ 5,925	\$ 6,221	6,532	\$ 6,859	5 7,202 \$	7,562 \$	7,940 \$	8,337 \$	8,754 \$	9,192
192 Sludge Mgt & Grounds Maint Expense											
193 Personal Services Expenses											
194 UNEMPLOYMENT	\$ -	-	-	-	-	-	-	-	-	-	-
195 PERMANENT POSITIONS	\$ 268,939	279,232	284,817	290,513	296,323	302,250	308,295	314,461	320,750	327,165	333,708
196 TEMPORARY POSITIONS	\$ 22,500	22,502	22,952	23,411	23,879	24,357	24,844	25,341	25,848	26,365	26,892
197 HOLIDAY PAY TEMP	\$ -	-	-	-	-	-	-	-	-	-	-
198 STEP UP PAY	\$ -	107	109	111	114	116	118	120	123	125	128
199 MEAL ALLOWANCES	\$ 2,487	2,248	2,293	2,339	2,386	2,433	2,482	2,532	2,582	2,634	2,687
200 DEFERRED COMP MATCH	\$ 4,775	5,623	5,735	5,850	5,967	6,087	6,208	6,332	6,459	6,588	6,720
201 JEAN ALLOWANCE	\$ 2,016	2,016	2,056	2,097	2,139	2,182	2,226	2,270	2,316	2,362	2,409
202 OVERTIME	\$ 5,189	11,973	12,212	12,457	12,706	12,960	13,219	13,484	13,753	14,028	14,309
203 SICK LEAVE BUY BACK	\$ 1,139	1,878	1,916	1,954	1,993	2,033	2,073	2,115	2,157	2,200	2,244
204 SOCIAL SECURITY	\$ 20,376	24,477	24,967	25,466	25,975	26,495	27,025	27,565	28,116	28,679	29,252
205 UNEMPLOYMENT	\$ 500	1,000	1,020	1,040	1,061	1,082	1,104	1,126	1,149	1,172	1,195
206 LAGERS	\$ 47,149	49,043	50,024	51,024	52,045	53,086	54,147	55,230	56,335	57,462	58,611
207 DISABILITY INSURANCE	\$ 846	866	883	901	919	937	956	975	995	1,015	1,035
208 EMPLOYEE HEALTH INSURANCE	\$ 40,199	40,563	43,808	47,313	51,098	55,186	59,600	64,368	69,518	75,079	81,086
209 LIFE INSURANCE	\$ 233	270	275	281	287	292	298	304	310	316	323
210 OTHER BENEFITS	\$ -	-	-	-	-	-	-	-	-	-	-
211 EMPLOYEE SERVICE AWARDS	\$ 224	259	264	269	275	280	286	292	298	303	310
212 EMPLOYEE PARKING	\$ -	-	-	-	-	-	-	-	-	-	-
213 SAFETY AWARDS	\$ -	-	-	-	-	-	-	-	-	-	-
214 RETIREMENT SICK LEAVE PMT	\$ 770	770	785	801	817	833	850	867	884	902	920
215 POST EMPLOYMENT BENEFIT	\$ 82	-	-	-	-	-	-	-	-	-	-
216 BUDGETARY CONTROL	\$ -	-	-	-	-	-	-	-	-	-	-
217 Sub-Total Personal Services Expenses	\$ 417,424	442,827	454,117	465,828	477,983	490,609	503,732	517,383	531,593	546,396	561,828
218 Personal Services Expenses Execution Rate	100%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
219 Total Personal Services Expenses	\$ 417,424	\$ 420,686	\$ 431,411	442,537	\$ 454,084 \$	\$ 466,079 \$	478,546 \$	491,514 \$	505,013 \$	519,076 \$	533,737
220 Fixed Operating Expenses											
221 CONSTRUCTION MATERIALS	\$ 12,750	12,750	13,069	13,395	13,730	14,074	14,425	14,786	15,156	15,535	15,923
222 POSTAGE	\$ 470	470	482	494	506	519	532	545	559	573	587
223 BOOKS & SUBSCRIPTIONS	\$ 100	100	103	105	108	110	113	116	119	122	125
224 HORTICULTURAL SUPPLIES	\$ 3,500	3,500	3,588	3,677	3,769	3,863	3,960	4,059	4,160	4,264	4,371
225 JANITORIAL SUPPLIES	\$ 100	100	103	105	108	110	113	116	119	122	125
226 FUEL OIL & LUBRICANTS	\$ 120,000	168,200	172,405	176,715	181,133	185,661	190,303	195,060	199,937	204,935	210,059
227 JOB SITE MEALS 19-100	\$ 500	500	513	525	538	552	566	580	594	609	624
228 MEDICAL SUPPLIES	\$ 100	100	103	105	108	110	113	116	119	122	125
229 FOOD	\$ -	-	-	-	-	-	-	-	-	-	-
230 MISCELLANEOUS	\$ 100	100	103	105	108	110	113	116	119	122	125

			FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
224	PARTS-FLEET MAINTENANCE	,	22,000	27.500	20.420	20.200	40.202	44 202	42.420	42.400	44.576	45 600	46.022
231 232	EQUIPMENT PARTS	۶ \$	32,000 10,200	37,500 10,200	38,438 10,455	39,398 10,716	40,383 10,984	41,393 11,259	42,428 11,540	43,489 11,829	44,576 12,125	45,690 12,428	46,832 12,738
233	COMMUNICATION EQUIPMENT	ç	500	500	513	525	538	552	566	580	594	609	624
234	INSTRUMENTS & APPARATUS	ç	632	-	-	-	-	-	-	-	-	-	024
235	TOOLS	ç	4,500	4,500	4,613	4,728	4,846	4,967	5,091	5,219	5,349	5,483	5,620
236	UNIFORMS	ç	1,500	1,500	1,538	1,576	1,615	1,656	1,697	1,740	1,783	1,828	1,873
237	CLOTHING	ç	600	600	615	630	646	662	679	696	713	731	749
238	SAFETY EQUIPMENT	ç	2,000	2,000	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,437	2,498
239	FURNITURE	¢	2,000	2,000	2,030	2,101	2,134	-	-	2,319	-	-	2,436
240	COMPUTER/ELECTRONIC ITEMS	¢	246	385	395	404	415	425	436	446	458	469	481
241	OTHER MISCELLANEOUS	¢	240	-	-	-	415	423	-	-	-	403	401
242	BUDGETARY CONTROL	¢		_	_		_		_	_	_	_	
243	TRAVEL	¢		_	_		_		_	_	_	_	
244	EDUCATION & TRAINING MATS	¢		_	_	_	_		_	_	_	_	
245	REGISTRATION & TUITION	¢	400	500	500	500	500	500	500	500	500	500	500
246	SMALL DOLLAR TRAVEL	¢	400	-	500	-	-	-	-	500	-	-	-
247	BUDGETARY CONTROL	¢		_	_	-	_		-	_	_	_	
248	SELF INSURANCE CHRGS	¢	16,006	22,310	22,979	23,669	24,379	25,110	25,863	26,639	27,438	28,262	29,109
249	BUDGETARY CONTROL	¢	10,000	22,510	22,575	23,003	24,373	25,110	23,003	20,033	27,430	20,202	23,103
250	CONSULTING FEES	¢		_	_	_	_	_	_	_	_	_	
251	DUES	Ś	100	100	103	106	109	113	116	119	123	127	130
252	EQUIPMENT RENTALS	Ś	4,000	4,000	4,120	4,244	4,371	4,502	4,637	4,776	4,919	5,067	5,219
253	Pool Billing-Fleet Ops	Ś	-,000	-,000	-,120	-,2	-,571	-,502	-,037	-,,,,	-,515	-	5,215
254	MAINTENANCE AGREEMENTS	Ś	_	_	_	_	_	_	_	_	_	_	_
255	VEHICLE MAINTENANCE	Ś	20,000	23,200	23,896	24,613	25,351	26,112	26,895	27,702	28,533	29,389	30,271
256	EQUIPMENT MAINTENANCE	Ś	1,000	1,000	1,030	1,061	1,093	1,126	1,159	1,194	1,230	1,267	1,305
257	VEHICLE SERVICE	Ś	-	-	-	-	-	-	-	-	-	-	-
258	LICENSE & CERT. REIMBURSE	Ś	180	180	185	191	197	203	209	215	221	228	235
259	NONCONTRACTUAL SERVICES	Ś	30	-	-	-	-	-	-	-	-	-	-
260	MISCELLANEOUS CONTRACTUAL	\$	300,000	300,000	309,000	318,270	327,818	337,653	347,782	358,216	368,962	380,031	391,432
261	BUDGETARY CONTROL	\$	-	-	-	-	527,010	-	-	-	-	-	-
262	LOSS ON DISPOSAL ASSETS	\$	4,801	_	_	_	_	_	_	_	_	_	_
	Sub-Total Fixed Operating Expenses	\$	536,315	594,295	610,894	627,960	645,508	663,549	682,100	701,173	720,784	740,948	761,681
	Fixed Operating Expenses Execution Rate	Ÿ	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
	Total Fixed Operating Expenses	Ś	509,499 \$	564,580		596,562 \$							
-05		7	303, .33 Q	30., 300 y	200,0.5 9	300,002 \$, ,	, 4	, ₄	000,224	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , , , , , ,	,
266	Variable Operating Expenses												
267	TELEPHONE	\$	-	-	-	-	-	-	-	-	-	-	-
268	REFUSE	\$	52,500	52,500	55,125	57,881	60,775	63,814	67,005	70,355	73,873	77,566	81,445
269	WIRELESS COMMUNICATIONS	\$	504	1,312	1,378	1,446	1,519	1,595	1,674	1,758	1,846	1,938	2,035
270	Sub-Total Variable Operating Expenses	\$	53,004	53,812	56,503	59,328	62,294	65,409	68,679	72,113	75,719	79,505	83,480
	Variable Operating Expenses Execution Rate		75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
272	Total Variable Operating Expenses	\$	39,753 \$	40,359	42,377 \$	44,496 \$	46,721	49,057 \$	51,509	54,085	\$ 56,789 \$	59,629 \$	62,610

		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
273 Field Operations Expense												
274 Personal Services Expenses												
275 UNEMPLOYMENT	\$	-	-	-	-	-	-	-	-	-	-	-
276 PERMANENT POSITIONS	\$	99,728	102,072	104,113	106,196	108,320	110,486	112,696	114,950	117,249	119,594	121,985
277 TEMPORARY POSITIONS	\$	-	-	-	-	-	-	-	-	-	-	-
278 SHIFT DIFFERENTIAL	\$	-	1,352	1,379	1,407	1,435	1,463	1,493	1,523	1,553	1,584	1,616
279 STEP UP PAY	\$	-	-	-	-	-	-	-	-	-	-	-
280 MEAL ALLOWANCES	\$	1,242	4,992	5,092	5,194	5,298	5,404	5,512	5,622	5,734	5,849	5,966
281 DEFERRED COMP MATCH	\$	635	2,041	2,082	2,123	2,166	2,209	2,253	2,298	2,344	2,391	2,439
282 JEAN ALLOWANCE	\$	1,008	1,008	1,028	1,049	1,070	1,091	1,113	1,135	1,158	1,181	1,205
283 OVERTIME	\$	705	1,011	1,031	1,052	1,073	1,094	1,116	1,139	1,161	1,185	1,208
284 SICK LEAVE BUY BACK	\$	-	-	-	-	-	-	-	-	-	-	-
285 SOCIAL SECURITY	\$	7,555	8,448	8,617	8,789	8,965	9,144	9,327	9,514	9,704	9,898	10,096
286 UNEMPLOYMENT	\$	456	600	612	624	637	649	662	676	689	703	717
287 LAGERS	\$	17,061	18,165	18,528	18,899	19,277	19,662	20,056	20,457	20,866	21,283	21,709
288 DISABILITY INSURANCE	\$	312	316	322	329	335	342	349	356	363	370	378
289 EMPLOYEE HEALTH INSURANCE	\$	16,813	16,881	18,231	19,690	21,265	22,966	24,804	26,788	28,931	31,246	33,745
290 LIFE INSURANCE	\$	117	119	121	124	126	129	131	134	137	139	142
291 MISC PERSONNEL COSTS	\$	-	-	-	-	-	-	-	-	-	-	-
292 OTHER BENEFITS	\$	-	-	-	-	-	-	-	-	-	-	-
293 EMPLOYEE SERVICE AWARDS	\$	96	111	113	115	118	120	123	125	128	130	133
294 EMPLOYEE PARKING	\$	-	-	-	-	-	-	-	-	-	-	-
295 SAFETY AWARDS	\$	-	-	-	-	-	-	-	-	-	-	-
296 RETIREMENT SICK LEAVE PMT	\$	330	330	337	343	350	357	364	372	379	387	394
297 POST EMPLOYMENT BENEFIT	\$	35	-	-	-	-	-	-	-	-	-	-
298 BUDGETARY CONTROL	Ś	_	_	_	_	_	-	_	_	_	_	_
299 INSURANCE PREMIUMS	\$	-	-	-	-	-	-	-	-	-	-	-
300 Sub-Total Personal Services Expenses	\$	146,093	157,446	161,608	165,934	170,434	175,118	179,999	185,087	190,396	195,940	201,733
301 Personal Services Expenses Execution Rate	•	100%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
302 Total Personal Services Expenses	\$	146,093 \$					166,363 \$			180,876 \$		
303 Fixed Operating Expenses												
304 CONSTRUCTION MATERIALS	\$	18,500	20,000	20,500	21,013	21,538	22,076	22,628	23,194	23,774	24,368	24,977
305 PRINTING	\$	-	-	-	-	-	-	-	-	-	-	-
306 POSTAGE	\$	-	-	-	-	-	-	-	-	-	-	-
307 FUEL OIL & LUBRICANTS	\$	500	500	513	525	538	552	566	580	594	609	624
308 JOB SITE MEALS 19-100	\$	50	50	51	53	54	55	57	58	59	61	62
309 MEDICAL SUPPLIES	\$	50	50	51	53	54	55	57	58	59	61	62
310 FOOD	\$	-	-	-	-	-	-	-	-	-	-	-
311 MISCELLANEOUS	\$	200	200	205	210	215	221	226	232	238	244	250
312 PARTS-FLEET MAINTENANCE	\$	6,000	5,000	5,125	5,253	5,384	5,519	5,657	5,798	5,943	6,092	6,244
313 EQUIPMENT PARTS	\$	3,000	4,000	4,100	4,203	4,308	4,415	4,526	4,639	4,755	4,874	4,995
314 COMMUNICATION EQUIPMENT	\$	2,500	2,500	2,563	2,627	2,692	2,760	2,829	2,899	2,972	3,046	3,122
315 INSTRUMENTS & APPARATUS	\$	-	-	-	-	-	-	-	-	-	-	-
316 TOOLS	\$	1,500	500	513	525	538	552	566	580	594	609	624
317 UNIFORMS	\$	550	550	564	578	592	607	622	638	654	670	687
318 CLOTHING	\$	450	450	461	473	485	497	509	522	535	548	562
319 SAFETY EQUIPMENT	Ś	550	550	564	578	592	607	622	638	654	670	687

Projection of Cash Outflows	Schedule 5
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		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
320 OTHER MISCELLANEOUS	\$			_	-	-	-	_	-	_	-	_
321 BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
322 TRAVEL	\$	-	-	-	-	-	-	-	-	-	-	-
323 EDUCATION & TRAINING MATS	\$	-	-	-	-	-	-	-	-	-	-	-
324 REGISTRATION & TUITION	\$	600	600	600	600	600	600	600	600	600	600	600
325 SMALL DOLLAR TRAVEL	\$	-	-	-	-	-	-	-	-	-	-	-
326 BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
327 SELF INSURANCE CHRGS	\$	3,764	5,709	5,880	6,057	6,238	6,426	6,618	6,817	7,021	7,232	7,449
328 BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
329 CONSULTING FEES	\$	-	-	-	-	-	-	-	-	-	-	-
330 DUES	\$	-	-	-	-	-	-	-	-	-	-	-
331 EQUIPMENT RENTALS	\$	1,560	1,560	1,607	1,655	1,705	1,756	1,808	1,863	1,919	1,976	2,035
332 Pool Billing-Fleet Ops	\$	-	-	-	-	-	-	-	-	-	-	-
333 VEHICLE MAINTENANCE	Ś	2,500	2,900	2,987	3,077	3,169	3,264	3,362	3,463	3,567	3,674	3,784
334 EQUIPMENT MAINTENANCE	\$	10,000	56,000	57,680	59,410	61,193	63,028	64,919	66,867	68,873	70,939	73,067
335 VEHICLE SERVICE	Ś	, <u> </u>	-	· -	-	-	-	-	-	· -	-	-
336 LICENSE & CERT. REIMBURSE	\$	135	135	139	143	148	152	157	161	166	171	176
337 NONCONTRACTUAL SERVICES	Ś	_	_	-	_	_	_	_	_	-	_	_
338 MISCELLANEOUS CONTRACTUAL	Ś	325,000	342,000	352,260	362,828	373,713	384,924	396,472	408,366	420,617	433,235	446,232
339 BUDGETARY CONTROL	s.	-	-	-	-	-	-	-	-	-	-	-
340 BOILER & EXPLOSION INS	Ś	_	_	_	_	-	_	_	-	_	_	-
341 BUDGETARY CONTROL	Ś	_	_	_	_	_	-	_	-	-	_	_
342 LOSS ON DISPOSAL ASSETS	Ś	_	_	_	_	-	_	_	-	_	_	_
343 TRUCKS	Ś	_	_	_	_	_	-	_	-	-	_	-
344 Sub-Total Fixed Operating Expenses	\$	377,409	443,254	456,362	469,859	483,756	498,066	512,800	527,972	543,594	559,679	576,243
345 Fixed Operating Expenses Execution Rate	•	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
346 Total Fixed Operating Expenses	\$	358,539		\$ 433,544			\$ 473,162					
347 Variable Operating Expenses												
348 WATER	Ś	_	_	_	_	_	_	_	_	_	_	_
349 ELECTRIC	Ś	102,515	104,565	109,793	115,283	121,047	127,099	133,454	140,127	147,133	154,490	162,215
350 TELEPHONE	Ś	102,515	-	-	-	-	-	-			-	-
351 STORM WATER	Ś										_	
352 OTHER UTILITIES	Ś	_	_	_	_	_	_	_	_	_	_	_
353 Sub-Total Variable Operating Expenses	\$	102,515	104,565	109,793	115,283	121,047	127,099	133,454	140,127	147,133	154,490	162,215
354 Variable Operating Expenses Execution Rate	Ý	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
355 Total Variable Operating Expenses	Ś			\$ 82,345			\$ 95,325					
Total Variable Operating Expenses	_	70,000	7 70,424	, 02,343 ,	, 00,402	y 50,703	y 33,323	7 100,031	, 103,033 ,	, 110,330 4	113,000	, 121,001
356 WWTP Operations Expense												
357 Personal Services Expenses		626 126	605.003	619.020	620.200	642.000	655.040	669.065	692.244	COE 001	700.014	724 100
358 PERMANENT POSITIONS	\$	636,136	605,902	618,020	630,380	642,988	655,848	668,965	682,344	695,991	709,911	724,109
359 TEMPORARY POSITIONS	\$	- 12.16:	-	-	- 12.660	-	- 12.171	- 42.424	- 12.702	- 42.077	-	- 44542
360 SHIFT DIFFERENTIAL	\$	13,164	12,168	12,411	12,660	12,913	13,171	13,434	13,703	13,977	14,257	14,542
361 STEP UP PAY	\$	-	-	-	-	-	-	-	-	-	-	-
362 MEAL ALLOWANCES	\$	-	-	-	-	-	-	-	-	-	-	_
363 DEFERRED COMP MATCH	\$	8,911	12,251	12,496	12,746	13,001	13,261	13,526	13,797	14,073	14,354	14,641

		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
364 JEAN ALLOWANCE	\$	5,376	5,040	5,141	5,244	5,348	5,455	5,565	5,676	5,789	5,905	6,023
365 OVERTIME	\$	3,893	4,899	4,997	5,097	5,199	5,303	5,409	5,517	5,627	5,740	5,855
366 SICK LEAVE BUY BACK	\$	6,632	6,663	6,796	6,932	7,071	7,212	7,356	7,504	7,654	7,807	7,963
367 SOCIAL SECURITY	\$	47,274	48,553	49,524	50,515	51,525	52,555	53,606	54,679	55,772	56,888	58,025
368 UNEMPLOYMENT	\$	230	250	255	260	265	271	276	282	287	293	299
369 LAGERS	\$	107,500	104,518	106,608	108,741	110,915	113,134	115,396	117,704	120,058	122,459	124,909
370 DISABILITY INSURANCE	\$	2,023	1,878	1,916	1,954	1,993	2,033	2,073	2,115	2,157	2,200	2,244
371 EMPLOYEE HEALTH INSURANCE	\$	100,834	93,492	100,971	109,049	117,773	127,195	137,370	148,360	160,229	173,047	186,891
372 LIFE INSURANCE	\$	489	504	514	524	535	546	556	568	579	591	602
373 OTHER BENEFITS	\$	-	-	-	-	-	-	-	-	-	-	-
374 EMPLOYEE SERVICE AWARDS	\$	544	592	604	616	628	641	654	667	680	694	707
375 EMPLOYEE PARKING	\$	-	-	-	-	-	-	-	-	-	-	-
376 SAFETY AWARDS	\$	-	-	-	-	-	-	-	-	-	-	-
377 RETIREMENT SICK LEAVE PMT	\$	1,870	1,760	1,795	1,831	1,868	1,905	1,943	1,982	2,022	2,062	2,103
378 POST EMPLOYMENT BENEFIT	\$	199	-	-	-	-	-	-	-	-	-	-
379 BUDGETARY CONTROL	\$		-		-							
380 Sub-Total Personal Services Expenses	\$	935,075	898,470	922,049	946,548	972,022	998,529	1,026,131	1,054,896	1,084,896	1,116,207	1,148,914
381 Personal Services Expenses Execution Rate		100%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
Total Personal Services Expenses	\$	935,075 \$	853,547	875,946	\$ 899,221	\$ 923,421	\$ 948,602	\$ 974,825	\$ 1,002,151	\$ 1,030,651	\$ 1,060,397	\$ 1,091,468
383 Fixed Operating Expenses												
384 CONSTRUCTION MATERIALS	Ś	164,000	297,491	304,928	312,551	320,365	328,374	336,584	344,998	353,623	362,464	371,525
385 POSTAGE	\$	104,000	257,451	-	512,551	320,303	520,574	330,364	-	333,023	302,404	371,323
386 BOOKS & SUBSCRIPTIONS	ć	_	_	_	_	_	_	_	_	_	_	_
387 DATA PROC & ELECTRONIC	Ś	_	_	_	_	_	_	_	_	_	_	_
388 FUEL OIL & LUBRICANTS	Ś	_	_	_	_	_	_		_	_	_	_
389 JOB SITE MEALS 19-100	Ś	200	200	205	210	215	221	226	232	238	244	250
390 MEDICAL SUPPLIES	Ś	100	100	103	105	108	110	113	116	119	122	125
391 FOOD	Ś	-	-	-	-	-	-	-	-	-	-	-
392 MISCELLANEOUS	Ś	250	490	502	515	528	541	554	568	582	597	612
393 PARTS-FLEET MAINTENANCE	Ś	2,000	2,000	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,437	2,498
394 EQUIPMENT PARTS	Ś	2,140	2,140	2,194	2,248	2,305	2,362	2,421	2,482	2,544	2,607	2,673
395 COMMUNICATION EQUIPMENT	Ś	1,500	1,500	1,538	1,576	1,615	1,656	1,697	1,740	1,783	1,828	1,873
396 INSTRUMENTS & APPARATUS	Ś	-	-	-	-	-	-	-	-	-	-	-
397 TOOLS	Ś	2,040	2,040	2,091	2,143	2,197	2,252	2,308	2,366	2,425	2,486	2,548
398 UNIFORMS	Ś	2,050	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,437	2,498	2,560
399 CLOTHING	\$	1,100	1,100	1,128	1,156	1,185	1,214	1,245	1,276	1,308	1,340	1,374
400 SAFETY EQUIPMENT	Ś	2,750	2,750	2,819	2,889	2,961	3,035	3,111	3,189	3,269	3,351	3,434
401 COMPUTER/ELECTRONIC ITEMS	\$	-,	-,:-3	-,	-,	-,	-,	-,	-,=55	-,_03	-	-, .5 .
402 OTHER MISCELLANEOUS	\$	-	-	_	_	_	-	-	_	-	_	_
403 BUDGETARY CONTROL	ς .	_	_	_	_	_	_	_	_	_	_	_
404 TRAVEL	\$	150	150	150	150	150	150	150	150	150	150	150
405 EDUCATION & TRAINING MATS	ς .	50	50	50	50	50	50	50	50	50	50	50
406 REGISTRATION & TUITION	\$	1.436	1.436	1.436	1.436	1,436	1.436	1.436	1.436	1.436	1,436	1.436
	Ų	1,450	1,750	1,430	1,430	1,730	1,430	1,430	1,-30	1,-30	1,430	1,43

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		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
407 SMALL DOLLAR TRAVEL	\$	-	-	-	-	-	-	-	-	-	-	-
408 BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
409 COMPUTER REPLACEMENT COST	\$	3,448	3,063	3,155	3,250	3,347	3,447	3,551	3,657	3,767	3,880	3,99
410 IT SUPPORT & MAINTENANCE	\$	100,196	105,667	108,837	112,102	115,465	118,929	122,497	126,172	129,957	133,856	137,87
411 I.S. PC & PRINTER MAINT.	\$	-	-	-	-	-	-	-	-	-	-	-
412 FIBER OPTICS	\$	3,074	3,000	3,090	3,183	3,278	3,377	3,478	3,582	3,690	3,800	3,91
413 SELF INSURANCE CHRGS	\$	36,974	40,210	41,416	42,659	43,939	45,257	46,614	48,013	49,453	50,937	52,46
414 EMP HEALTH/WELLNESS FEE	\$	21,955	22,954	23,643	24,352	25,082	25,835	26,610	27,408	28,231	29,077	29,95
415 CITY UNIVERSITY	\$	12,502	13,177	13,572	13,979	14,399	14,831	15,276	15,734	16,206	16,692	17,19
416 BUDGETARY CONTROL	\$	· -	-	-	· -	-	-	-	-	-	-	-
417 DUES	Ś	100	100	103	106	109	113	116	119	123	127	13
418 Pool Billing-Fleet Ops	Ś		-	-	-	-	-	-	-	-		-
419 MAINTENANCE AGREEMENTS	Ś	22,200	22,200	22,866	23,552	24,259	24,986	25,736	26,508	27,303	28,122	28,96
420 VEHICLE MAINTENANCE	Ś	1,500	1,740	1,792	1,846	1,901	1,958	2,017	2,078	2,140	2,204	2,27
421 EQUIPMENT MAINTENANCE	Ś	-	-,, .0	-,,,,,	-	-	-	-	-	2,210	-	-,-,
422 LICENSE & CERT. REIMBURSE	Š	315	315	324	334	344	355	365	376	387	399	41
423 MISCELLANEOUS CONTRACTUAL	¢	515	-	-	-	544	-	-	-	-	-	7.
424 BUDGETARY CONTROL	ç											
425 INSURANCE PREMIUMS	\$	-	-	-	-	-	-	-	-	-	-	-
426 MISCELLANEOUS	\$	36,000	36,000	36,900	37,823	38,768	39,737	40,731	41,749	42,793	43,863	44,95
427 BUDGETARY CONTROL	\$ \$	30,000	36,000	30,900	37,023	38,788	39,/3/	40,731	41,749	42,793	43,803	44,95
	\$ \$	419.020	- FC1 022							676 201		
428 Sub-Total Fixed Operating Expenses	\$	418,030	561,923	576,992	592,470	608,368	624,697	641,469	658,696	676,391 95%	694,566	713,23
429 Fixed Operating Expenses Execution Rate	Ś	95% 397,129	95% \$ 533,827	95% \$ 548,143	95% \$ 562,847	95% \$ 577,949	95% \$ 593,462	95% \$ 609,395	95% \$ 625,761	\$ 642,571	95% \$ 659,837	95
430 Total Fixed Operating Expenses	•	397,129	\$ 555,627	3 348,143	\$ 502,847	\$ 5//,949	3 393,462	\$ 609,393	\$ 625,761	\$ 642,571	\$ 059,857	\$ 677,57
431 Variable Operating Expenses												
432 WATER	\$	16,479	12,000	12,600	13,230	13,892	14,586	15,315	16,081	16,885	17,729	18,61
433 GAS	\$	50,000	45,000	47,250	49,613	52,093	54,698	57,433	60,304	63,320	66,485	69,81
434 ELECTRIC	\$	1,000,000	1,020,000	1,071,000	1,124,550	1,180,778	1,239,816	1,301,807	1,366,898	1,435,242	1,507,005	1,582,35
435 TELEPHONE	\$	-	-	-	-	-	-	-	-	-	-	-
136 REFUSE	\$	30,000	30,000	31,500	33,075	34,729	36,465	38,288	40,203	42,213	44,324	46,54
137 FUEL OIL	\$	32,555	30,000	31,500	33,075	34,729	36,465	38,288	40,203	42,213	44,324	46,54
138 STORM WATER	\$	1,167	1,200	1,260	1,323	1,389	1,459	1,532	1,608	1,689	1,773	1,86
439 Sub-Total Variable Operating Expenses	\$	1,130,201	1,138,200	1,195,110	1,254,866	1,317,609	1,383,489	1,452,664	1,525,297	1,601,562	1,681,640	1,765,72
440 Variable Operating Expenses Execution Rate		75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75
441 Total Variable Operating Expenses	\$	847,651	\$ 853,650	\$ 896,333	\$ 941,149	\$ 988,207	\$ 1,037,617	\$ 1,089,498	\$ 1,143,973	\$ 1,201,171	\$ 1,261,230	\$ 1,324,29
442 WWTP Maintenance Expense			-									
443 Personal Services Expenses												
444 PERMANENT POSITIONS	\$	414,445	501,549	511,580	521,812	532,248	542,893	553,751	564,826	576,122	587,645	599,39
145 TEMPORARY POSITIONS	Ś		501,549	311,330	521,012	332,240	5-2,033	555,751	50-7,020	5,0,122	507,045	-
446 SHIFT DIFFERENTIAL	\$	78	-	_		_	_	_	_	_	-	-
147 STEP UP PAY	\$ \$	78	-	-	-	-	-	-	-	-	-	-
	\$	-	-	-	-	-	-	-	-	-	-	-
	, ,	- 	10,083	10,285	10.400		10.014	11 122	11 255	- 11,582	11 01 4	12.05
	\$	5,944			10,490	10,700	10,914	11,132	11,355		11,814	12,05
450 JEAN ALLOWANCE	\$	3,360	4,032	4,113	4,195	4,279	4,364	4,452	4,541	4,632	4,724	4,81
451 OVERTIME	\$	2,189	2,540	2,591	2,643	2,695	2,749	2,804	2,860	2,918	2,976	3,036

rojection of cash outhows											chedule 3
	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
452 STANDBY PAY	\$ -	-	-	-	-	-	-	-	-	-	-
453 SICK LEAVE BUY BACK	\$ 2,411	2,590	2,642	2,695	2,749	2,803	2,860	2,917	2,975	3,035	3,095
454 SOCIAL SECURITY	\$ 31,750	39,044	39,825	40,621	41,434	42,262	43,108	43,970	44,849	45,746	46,661
455 UNEMPLOYMENT	\$ -	-	-	-	-	-	-	-	-	-	-
156 LAGERS	\$ 69,325	84,153	85,836	87,553	89,304	91,090	92,912	94,770	96,665	98,599	100,571
457 DISABILITY INSURANCE	\$ 1,288	1,555	1,586	1,618	1,650	1,683	1,717	1,751	1,786	1,822	1,858
458 EMPLOYEE HEALTH INSURANCE	\$ 62,525	77,640	83,851	90,559	97,804	105,628	114,079	123,205	133,061	143,706	155,203
459 LIFE INSURANCE	\$ 370	424	432	441	450	459	468	477	487	497	507
460 MISC PERSONNEL COSTS	\$ -	-	-	-	-	-	-	-	-	-	-
461 OTHER BENEFITS	\$ -	-	-	-	-	-	-	-	-	-	-
462 EMPLOYEE SERVICE AWARDS	\$ 352	444	453	462	471	481	490	500	510	520	531
463 SAFETY AWARDS	\$ -	-	-	-	-	-	-	-	-	-	-
464 RETIREMENT SICK LEAVE PMT	\$ 1,210	1,320	1,346	1,373	1,401	1,429	1,457	1,487	1,516	1,547	1,578
465 POST EMPLOYMENT BENEFIT	\$ 129	-	-	-	-	-	-	-	-	-	-
466 BUDGETARY CONTROL	\$ -	-	-	-	-	-	-	-	-	-	-
467 Sub-Total Personal Services Expenses	\$ 595,376	725,374	744,540	764,462	785,185	806,756	829,229	852,659	877,104	902,630	929,305
468 Personal Services Expenses Execution Rate	100%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
469 Total Personal Services Expenses	\$ 595,376	\$ 689,105	\$ 707,313	\$ 726,239	\$ 745,925	\$ 766,419	\$ 787,768	\$ 810,026	833,249	857,498	\$ 882,840
470 Fixed Operating Expenses											
471 CONSTRUCTION MATERIALS	\$ 195,400	200,000	205,000	210,125	215,378	220,763	226,282	231,939	237,737	243,681	249,773
472 OFFICE SUPPLIES	\$ -	-	-	-	-	-	-	-	-	-	-
473 PRINTING	\$ -	-	-	-	-	-	-	-	-	-	-
474 POSTAGE	\$ 840	840	861	883	905	927	950	974	998	1,023	1,049
475 EMPLOYEE SERVICE AWARDS	\$ -	-	-	-	-	-	-	-	-	-	-
476 HORTICULTURAL SUPPLIES	\$ 224	-	-	-	-	-	-	-	-	-	-
477 JANITORIAL SUPPLIES	\$ 8,000	8,000	8,200	8,405	8,615	8,831	9,051	9,278	9,509	9,747	9,991
478 FUEL OIL & LUBRICANTS	\$ 16,500	16,500	16,913	17,335	17,769	18,213	18,668	19,135	19,613	20,104	20,606
479 JOB SITE MEALS 19-100	\$ -	-	-	-	-	-	-	-	-	-	-
480 MEDICAL SUPPLIES	\$ 700	700	718	735	754	773	792	812	832	853	874
481 FOOD	\$ -	-	-	-	-	-	-	-	-	-	-
482 MISCELLANEOUS	\$ 560	560	574	588	603	618	634	649	666	682	699
483 PARTS-FLEET MAINTENANCE	\$ 8,000	8,000	8,200	8,405	8,615	8,831	9,051	9,278	9,509	9,747	9,991
484 EQUIPMENT PARTS	\$ 127,000	165,000	169,125	173,353	177,687	182,129	186,682	191,349	196,133	201,036	206,062
485 COMMUNICATION EQUIPMENT	\$ 1,500	1,500	1,538	1,576	1,615	1,656	1,697	1,740	1,783	1,828	1,873
486 INSTRUMENTS & APPARATUS	\$ 10,000	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	12,184	12,489
487 TOOLS	\$ 7,000	3,500	3,588	3,677	3,769	3,863	3,960	4,059	4,160	4,264	4,371
488 UNIFORMS	\$ 2,500	1,510	1,548	1,586	1,626	1,667	1,708	1,751	1,795	1,840	1,886
489 CLOTHING	\$ 800	850	871	893	915	938	962	986	1,010	1,036	1,062
490 SAFETY EQUIPMENT	\$ 3,000	3,225	3,306	3,388	3,473	3,560	3,649	3,740	3,834	3,929	4,028
491 COMPUTER/ELECTRONIC ITEMS	\$ -	-	-	-	-	-	-	-	-	-	-
492 OTHER MISCELLANEOUS	\$ 50	-	-	-	-	-	-	-	-	-	-
193 BUDGETARY CONTROL	\$ -	-	-	-	-	-	-	-	-	-	-
494 TRAVEL	\$ -	-	-	-	-	-	-	-	-	-	-
495 EDUCATION & TRAINING MATS	\$ -	-	-	-	-	-	-	-	-	-	-
496 REGISTRATION & TUITION	\$ 1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000

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		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
497 SMALL DOLLAR TRAVEL	\$	-	-	-	-	-	-	-	-	-	-	-
498 BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
499 SELF INSURANCE CHRGS	\$	14,491	14,701	15,142	15,596	16,064	16,546	17,042	17,554	18,080	18,623	19,181
500 BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
501 CONSULTING FEES	\$	-	-	-	-	-	-	-	-	-	-	-
502 DUES	\$	100	100	103	106	109	113	116	119	123	127	130
503 RENTALS	\$	958	-	-	-	-	-	-	-	-	-	-
504 EQUIPMENT RENTALS	\$	2,120	2,000	2,060	2,122	2,185	2,251	2,319	2,388	2,460	2,534	2,610
505 Pool Billing-Fleet Ops	\$	-	1,000	1,030	1,061	1,093	1,126	1,159	1,194	1,230	1,267	1,305
506 MAINTENANCE AGREEMENTS	\$	30,800	32,000	32,960	33,949	34,967	36,016	37,097	38,210	39,356	40,537	41,753
507 VEHICLE MAINTENANCE	\$	6,000	6,960	7,169	7,384	7,605	7,834	8,069	8,311	8,560	8,817	9,081
508 EQUIPMENT MAINTENANCE	\$	28,600	163,500	168,405	173,457	178,661	184,021	189,541	195,228	201,084	207,117	213,330
509 VEHICLE SERVICE	\$	-	-	-	-	-	-	-	-	-	-	-
510 LICENSE & CERT. REIMBURSE	\$	-	-	-	-	-	-	-	-	-	-	-
511 NONCONTRACTUAL SERVICES	\$	2,050	2,050	2,112	2,175	2,240	2,307	2,377	2,448	2,521	2,597	2,675
512 MISCELLANEOUS CONTRACTUAL	\$	263,130	249,300	256,779	264,482	272,417	280,589	289,007	297,677	306,608	315,806	325,280
513 BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
514 INSURANCE PREMIUMS	\$	225	225	232	239	246	253	261	269	277	285	294
515 BOILER & EXPLOSION INS	\$	-	-	-	-	-	-	-	-	-	-	-
516 LOSS ON DISPOSAL ASSETS	\$	-	-	-	-	-	-	-	-	-	-	-
517 BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
518 INSURANCE REIMBURSABLE	\$	-	-	-	-	-	-	-	-	-	-	-
519 Sub-Total Fixed Operating Expenses	\$	731,548	893,021	917,681	943,028	969,081	995,861	1,023,388	1,051,683	1,080,767	1,110,662	1,141,392
520 Fixed Operating Expenses Execution	Rate	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
521 Total Fixed Operating Expenses	\$	694,971	\$ 848,370	\$ 871,797	\$ 895,876	\$ 920,627	\$ 946,068	\$ 972,219	\$ 999,099	\$ 1,026,728	\$ 1,055,129	\$ 1,084,323
522 Variable Operating Expenses												
523 WATER	\$	149	160	168	176	185	194	204	214	225	236	248
524 ELECTRIC	\$	79,000	80,580	84,609	88,839	93,281	97,945	102,843	107,985	113,384	119,053	125,006
525 TELEPHONE	\$	-	-	-	-	-	-	-	-	-	-	-
526 STORM WATER	\$	204	203	213	224	235	247	259	272	286	300	315
527 Sub-Total Variable Operating Expens	es \$	79,353	80,943	84,990	89,240	93,702	98,387	103,306	108,471	113,895	119,590	125,569
528 Variable Operating Expenses Executi	on Rate	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
529 Total Variable Operating Expenses	\$	59,515	\$ 60,707	\$ 63,743	\$ 66,930	\$ 70,276	\$ 73,790	\$ 77,480	\$ 81,354	\$ 85,421	\$ 89,692	\$ 94,177
530 WWTP Lab Expense												
531 Personal Services Expenses												
532 PERMANENT POSITIONS	\$	199,663	211,388	215,616	219,928	224,327	228,813	233,389	238,057	242,818	247,675	252,628
533 TEMPORARY POSITIONS	\$	-	-	-	-	-	-	-	-	-	-	-
534 MEAL ALLOWANCES	\$	-	-	-	-	-	-	-	-	-	-	-
535 DEFERRED COMP MATCH	\$	2,565	4,277	4,363	4,450	4,539	4,630	4,722	4,817	4,913	5,011	5,111
536 JEAN ALLOWANCE	\$	1,344	1,344	1,371	1,398	1,426	1,455	1,484	1,514	1,544	1,575	1,606
537 OVERTIME	\$	152	152	155	158	161	165	168	171	175	178	182
538 SICK LEAVE BUY BACK	\$	71	2,448	2,497	2,547	2,598	2,650	2,703	2,757	2,812	2,868	2,926
539 SOCIAL SECURITY	\$	14,479	16,473	16,802	17,139	17,481	17,831	18,188	18,551	18,922	19,301	19,687
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		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
540 UNEMPLOYMENT	\$	-	-	-	-	-	-	-	-	-	-	-
541 LAGERS	\$	33,582	35,522	36,232	36,957	37,696	38,450	39,219	40,004	40,804	41,620	42,452
542 DISABILITY INSURANCE	\$	620	655	668	681	695	709	723	738	752	767	783
543 EMPLOYEE HEALTH INSURANCE	\$	28,770	29,556	31,920	34,474	37,232	40,211	43,427	46,902	50,654	54,706	59,083
544 LIFE INSURANCE	\$	237	240	245	250	255	260	265	270	276	281	287
545 OTHER BENEFITS	\$	-	-	-	-	-	-	-	-	-	-	-
546 EMPLOYEE SERVICE AWARDS	\$	160	185	189	192	196	200	204	208	213	217	221
547 SAFETY AWARDS	\$	-	-	-	-	-	-	-	-	-	-	-
548 RETIREMENT SICK LEAVE PMT	\$	550	550	561	572	584	595	607	619	632	644	657
549 POST EMPLOYMENT BENEFIT	\$	59	-	-	-	-	-	-	-	-	-	-
550 BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
551 Sub-Total Personal Services Expenses	\$	282,252	302,790	310,619	318,747	327,190	335,968	345,100	354,608	364,514	374,843	385,623
552 Personal Services Expenses Execution Rate		100%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
553 Total Personal Services Expenses	\$	282,252	\$ 287,651	\$ 295,088	\$ 302,809	\$ 310,831	\$ 319,169	\$ 327,845	\$ 336,877	\$ 346,288 \$	356,101	\$ 366,341
554 Fixed Operating Expenses												
555 CONSTRUCTION MATERIALS	Ś	14,438	14,438	14,799	15,169	15,548	15,937	16,335	16,744	17,162	17,591	18,031
556 POSTAGE	¢	4,000	4,000	4,100	4,203	4,308	4,415	4,526	4,639	4,755	4,874	4,995
557 BOOKS & SUBSCRIPTIONS	¢	500	500	513	525	538	552	566	580	594	609	624
558 EMPLOYEE SERVICE AWARDS	¢	500	-	-	525	-	-	-	-	-	-	- 024
559 JOB SITE MEALS 19-100	¢	_	_	_	_	_	_	_	-	_	_	
560 MEDICAL SUPPLIES	¢	100	100	103	105	108	110	113	116	119	122	125
561 LABORATORY SUPPLIES	¢	18,585	18,585	19,050	19,526	20,014	20,514	21,027	21,553	22,092	22,644	23,210
562 MISCELLANEOUS	ç ċ	750	750	769	788	808	828	849	21,333 870	892	914	937
563 EQUIPMENT PARTS	ç ċ	2,500	2,500	2,563	2,627	2,692	2,760	2,829	2,899	2,972	3,046	3,122
564 COMMUNICATION EQUIPMENT	ç ċ	2,300	2,300	2,303	2,027	2,092	2,700	2,823	2,833	2,372	3,040	3,122
565 INSTRUMENTS & APPARATUS	ب خ	_	_	_		_	_	-	_	-	-	-
566 TOOLS	ب خ	652	652	668	685	702	720	738	756	- 775	794	814
567 UNIFORMS	ş ċ	560	560	574	588	603	618	634	649	666	682	699
568 CLOTHING	ş ċ	450	450	461	473	485	497	509	522	535	548	562
569 SAFETY EQUIPMENT	ş ċ	1,500	1,500	1,538	1,576	1,615	1,656	1,697	1,740	1,783	1,828	1,873
570 COMPUTER/ELECTRONIC ITEMS	ş	1,500	4,000	4,100	4,203	4,308	4,415	4,526	4,639	1,765 4,755	4,874	4,995
571 OTHER MISCELLANEOUS	ç ċ	_	4,000	4,100	4,203	4,308	4,413	4,320	4,039	4,733	-	4,555
572 BUDGETARY CONTROL	ş ċ	-	-	-	-	-	-	-	-	-	-	-
	\$	500	500	500	500	500	500	500	500	500	500	500
	\$											
574 EDUCATION & TRAINING MATS	\$	250	250	250	250	250	250	250	250	250	250	250
575 REGISTRATION & TUITION	\$	2,137	2,137	2,137	2,137	2,137	2,137	2,137	2,137	2,137	2,137	2,137
576 SMALL DOLLAR TRAVEL	\$	-	-	-	-	-	-	-	-	-	-	-
577 BUDGETARY CONTROL	\$	4.470	-	-	-	-	-	-	-	-	-	-
578 SELF INSURANCE CHRGS	\$	4,470	5,359	5,520	5,685	5,856	6,032	6,213	6,399	6,591	6,789	6,992
579 BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
580 DUES	\$	400	400	412	424	437	450	464	478	492	507	522
581 EQUIPMENT RENTALS	\$	200	200	206	212	219	225	232	239	246	253	261

Projection of Cash Outflows	Schedule 5

		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
582 Pool Billing-Fleet Ops	\$	_	-	-	-	-	-	-	-	-	-	-
583 MAINTENANCE AGREEMENTS	\$	-	-	-	-	-	-	-	-	-	-	-
584 VEHICLE MAINTENANCE	\$	-	-	-	-	-	-	-	-	-	-	-
585 EQUIPMENT MAINTENANCE	\$	10,000	10,000	10,300	10,609	10,927	11,255	11,593	11,941	12,299	12,668	13,048
586 VEHICLE SERVICE	\$	-	-	-	-	-	-	-	-	-	-	-
587 LICENSE & CERT. REIMBURSE	\$	-	-	-	-	-	-	-	-	-	-	-
588 NONCONTRACTUAL SERVICES	\$	5,100	5,100	5,253	5,411	5,573	5,740	5,912	6,090	6,272	6,461	6,654
589 MISCELLANEOUS CONTRACTUAL	\$	14,900	14,900	15,347	15,807	16,282	16,770	17,273	17,791	18,325	18,875	19,441
590 BUDGETARY CONTROL	\$	_	-	-	-	_	_	-	-	-	-	-
591 MISCELLANEOUS	\$	-	-	-	-	-	-	-	-	-	-	-
592 LOSS ON DISPOSAL ASSETS	\$	-	-	-	-	-	-	-	-	-	-	-
593 DEPRECIATION												
594 BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
595 Sub-Total Fixed Operating Expenses	Ś	81,992	86,881	89,161	91,503	93,909	96,381	98,921	101,530	104,211	106,965	109,794
596 Fixed Operating Expenses Execution Rate	•	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
597 Total Fixed Operating Expenses	\$	77,892										
	т	,	7,	7	,,	,,	, ,,,,,,	,	,,	7,	,,	,
598 Variable Operating Expenses												
599 TELEPHONE	<u> </u>	-	-	-	-	-	-	-	-	-	-	-
600 Sub-Total Variable Operating Expenses	\$	-	-	-	-	-	-	-	-	-	-	-
601 Variable Operating Expenses Execution Rate		75%	. 75%	75%	75%	75%	75%	75%	75%	75%	. 75%	75%
602 Total Variable Operating Expenses	\$	-	\$ -	\$ -	\$ -	\$ -	\$ - 9	\$ -	\$ -	\$ -	\$ -	\$ -
603 Line Maintenance Expense												
604 Personal Services Expenses												
605 PERMANENT POSITIONS	\$	680,175	773,674	789,147	804,930	821,029	837,450	854,199	871,283	888,708	906,482	924,612
606 TEMPORARY POSITIONS	Ś	35,000	· -	-	-	-	-	· -	-	-	-	
607 SHIFT DIFFERENTIAL	Ś		_	_	_	_	_	_	_	_	_	_
608 STEP UP PAY	Ś	1,066	1,725	1,760	1,795	1,831	1,867	1,905	1,943	1,981	2,021	2,062
609 MEAL ALLOWANCES	Ś	6,437	5,408	5,516	5,626	5,739	5,854	5,971	6,090	6,212	6,336	6,463
610 DEFERRED COMP MATCH	Ś	10,206	15,607	15,919	16,238	16,562	16,894	17,231	17,576	17,928	18,286	18,652
611 JEAN ALLOWANCE	\$	6,384	6,720	6,854	6,991	7,131	7,274	7,419	7,568	7,719	7,874	8,031
612 OVERTIME	Ś	3,954	5,399	5,507	5,617	5,729	5,844	5,961	6,080	6,202	6,326	6,452
613 STANDBY PAY	Ś	9,896	10,558	10,769	10,985	11,204	11,428	11,657	11,890	12,128	12,370	12,618
614 SICK LEAVE BUY BACK	Ś	6,563	6,726	6,861	6,998	7,138	7,280	7,426	7,575	7,726	7,881	8,038
615 SOCIAL SECURITY	Ś	56,341	61,866	63,103	64,365	65,653	66,966	68,305	69,671	71,065	72,486	73,936
616 UNEMPLOYMENT	Ś	30,341	01,000	-	04,505	-	-	-	05,071	71,005	-	75,550
617 LAGERS	\$	114,859	133,353	136,020	138,740	141,515	144,346	147,232	150,177	153,181	156,244	159,369
618 DISABILITY INSURANCE	Ś	2,121	2,399	2,447	2,496	2,546	2,597	2,649	2,702	2,756	2,811	2,867
	\$,									
	\$	102,953	124,553	134,517	145,279	156,901	169,453	183,009	197,650	213,462	230,539	248,982
620 LIFE INSURANCE	¢	710	881	899	917	935	954	973	992	1,012	1,032	1,053
621 MISC PERSONNEL COSTS	\$	-	-	-	-	-	-	-	-	-		-
622 OTHER BENEFITS	\$	-	-	-	-	-	-	-	-	-	-	-
623 EMPLOYEE SERVICE AWARDS	\$	608	703	717	731	746	761	776	792	808	824	840
624 EMPLOYEE PARKING	\$	-	-	-	-	-	-	-	-	-	-	-
625 SAFETY AWARDS	\$		-	-		-	-	-		-		
626 RETIREMENT SICK LEAVE PMT	\$	2,090	2,090	2,132	2,174	2,218	2,262	2,308	2,354	2,401	2,449	2,498
627 POST EMPLOYMENT BENEFIT	\$	211	-	-	-	-	-	-	-	-	-	-
628 BUDGETARY CONTROL	\$	1 020 574	- 1 151 663	1 102 102	1 212 002	1 246 977	1 201 220	1 217 024	1 254 242	1 202 207	1 422 004	1 476 472
629 Sub-Total Personal Services Expenses 630 Personal Services Expenses Execution Rate	\$	1,039,574 100%	1,151,662 95%	1,182,168 95%	1,213,883 95%	1,246,877 95%	1,281,229 95%	1,317,021 95%	1,354,342 95%	1,393,287 95%	1,433,961 95%	1,476,472 95%
631 Total Personal Services Expenses	Ś									\$ 1,323,623		

			FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
632	Fixed Operating Expenses												
633	CONSTRUCTION MATERIALS	\$	79,350	82,000	84,050	86,151	88,305	90,513	92,775	95,095	97,472	99,909	102,407
634	OFFICE SUPPLIES	\$	1,400	1,400	1,435	1,471	1,508	1,545	1,584	1,624	1,664	1,706	1,748
635	PRINTING	\$	400	400	410	420	431	442	453	464	475	487	500
636	POSTAGE	\$	660	660	677	693	711	729	747	765	785	804	824
637	BOOKS & SUBSCRIPTIONS	\$	-	_	_	-	-	-	-	-	-	-	-
638	EMPLOYEE SERVICE AWARDS	\$	-	_	_	-	-	-	-	-	-	-	-
639	MISCELLANEOUS OFFICE	\$	-	_	_	-	-	-	-	-	-	-	-
640	HORTICULTURAL SUPPLIES	\$	1,000	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249
641	PHOTOGRAPHY SUPPLIES	\$	100	100	103	105	108	110	113	116	119	122	125
642	JANITORIAL SUPPLIES	\$	1,000	200	205	210	215	221	226	232	238	244	250
643	FUEL OIL & LUBRICANTS	\$	60,975	12,488	12,800	13,120	13,448	13,784	14,129	14,482	14,844	15,215	15,596
644	JOB SITE MEALS 19-100	\$	300	150	154	158	162	166	170	174	178	183	187
645	MEDICAL SUPPLIES	\$	1,000	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,218	1,249
646	FOOD	\$	-	-	-	-	-	-	-	-	-	, -	-
647	MISCELLANEOUS	\$	1,700	200	205	210	215	221	226	232	238	244	250
648	PARTS-FLEET MAINTENANCE	\$	45,000	45,000	46,125	47,278	48,460	49,672	50,913	52,186	53,491	54,828	56,199
649	EQUIPMENT PARTS	\$	25,000	25,000	25,625	26,266	26,922	27,595	28,285	28,992	29,717	30,460	31,222
650	COMMUNICATION EQUIPMENT	\$	2,000	2,000	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,437	2,498
651	INSTRUMENTS & APPARATUS	\$	_,	_,	_,=====================================	_,	_,	-,	-,	-,	_,	_,	_,
652	TOOLS	\$	22,000	22,000	22,550	23,114	23,692	24,284	24,891	25,513	26,151	26,805	27,475
653	UNIFORMS	\$	3,160	3,380	3,465	3,551	3,640	3,731	3,824	3,920	4,018	4,118	4,221
654	CLOTHING	\$	1,700	1,800	1,845	1,891	1,938	1,987	2,037	2,087	2,140	2,193	2,248
655	SAFETY EQUIPMENT	Ś	8,000	8,450	8,661	8,878	9,100	9,327	9,560	9,799	10,044	10,296	10,553
656	FURNITURE	Ś	-	-	-	-	-	-	-	-			
657	COMPUTER/ELECTRONIC ITEMS	\$	300	300	308	315	323	331	339	348	357	366	375
658	OTHER MISCELLANEOUS	\$	200	200	205	210	215	221	226	232	238	244	250
659	BUDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-		-
660	TRAVEL	Š	_	425	425	425	425	425	425	425	425	425	425
661	EDUCATION & TRAINING MATS	\$	175	175	175	175	175	175	175	175	175	175	175
662	REGISTRATION & TUITION	Ś	3,425	4,375	4,375	4,375	4,375	4,375	4,375	4,375	4,375	4,375	4,375
663	SMALL DOLLAR TRAVEL	\$	5,425	-,575	-,575	-,575	-,575	-,575	-,575	-,575	-,575	-,575	-,575
664	BUDGETARY CONTROL	\$	_	_	_	_	_	_	_	_	_	_	_
665	JANITORIAL SERVICE	\$	_	_	_	_	_	_	_	_	_	_	_
666	LOCATOR SERVICE CHARGE	\$	74,911	79,330	81,710	84,161	86,686	89,287	91,965	94,724	97,566	100,493	103,508
667	SELF INSURANCE CHRGS	\$	78,683	75,341	77,601	79,929	82,327	84,797	87,341	89,961	92,660	95,440	98,303
668	MAINTENANCE PROJECT	Ś		75,541		-	-	-	-	-	-	-	-
669	BLDG. MAINTENANCE-REGULAR	\$	_	_	_	_	_	_	_	_	_	_	_
670	BUILDING UTILITY CHARGES	\$	_	_	_	_	_	_	_	_	_	_	_
671	BUDGETARY CONTROL	ş ċ	_	_	_	_	_	_	_	_	_	_	_
672	LEGAL FEES	ş ċ	-	-	-	-	-	_	-	-	_	_	_
673	CONSULTING FEES	ş ċ	-	-	-	-	-	_	-	-	_	_	_
674	INFILTRATION & INFLOW	\$	70,000	150,000	154,500	159,135	163,909	168,826	173,891	179,108	184,481	190,016	195,716
0/4	INFILINATION & INFLOW	>	70,000	130,000	134,300	133,135	103,909	100,020	1/3,091	1/9,108	104,481	190,016	193,/10

Pool Billing-Fleet Ops	2022 FY 2023 166 171 7,379 7,601 57,066 58,778 7,133 7,347 492 507 8,609 8,867 948,725 977,186 556,176 1,704,477 95% 95% 573,367 \$ 1,619,253 \$	176 7,829 60,541 7,568 - 522 - 9,133 1,006,502 1,754,197 95% 1,666,487
FOR COUMENT RENTALS \$ 6,000 6,000 6,180 6,365 6,556 6,753 6,956 7,164 7,	7,379 7,601	7,829
Pool Silling-Fleet Oos	57,066 58,778 7,133 7,347 492 507 8,609 8,867 948,725 977,186	60,541 7,568 - 522 - 9,133 1,006,502 - - - 1,754,197
MAINTENANCE AGREEMENTS S O O O O O O O O	57,066 58,778 7,133 7,347 492 507 8,609 8,867 948,725 977,186 556,176 1,704,477 95% 95%	60,541 7,568 - 522 - 9,133 1,006,502 - - - - 1,754,197
679 VEHICLE MAINTENANCE \$ 40,000 46,400 47,792 49,226 50,703 52,224 53,790 55,404 5,804 6,805 CUIPMENT MAINTENANCE \$ 15,000 5,974 6,153 6,328 6,228 6,724 6,926 7 6 6 CUIPMENT MAINTENANCE \$ 15,000 5,004 4,002 1 2 1 1 1 1 1 1 1 1 1 1 2 1 2 1 2 1 4 2 4 2 2 2 2 2 2 2 2 2 2 2	57,066 58,778 7,133 7,347 492 507 8,609 8,867 948,725 977,186 556,176 1,704,477 95% 95%	7,568 - 522 - 9,133 1,006,502 - - - - 1,754,197 95%
680 EQUIPMENT MAINTENANCE \$ 15,000 5,800 5,974 6,153 6,338 6,528 6,724 6,926 681 VEHICLE SERVICE \$ 400 400 412 424 437 450 464 478 22 LICHISE & CERT, REIMBURSE \$ 400 400 412 242 437 450 464 478 848 DRUG TESTING \$ 7,000 7,000 7,210 7,426 7,649 7,879 8,115 8,358 685 BUDGETARY CONTROL \$ 746,000 7,71,400 794,522 818,378 842,930 868,217 894,264 921,092 94 686 BUDGETARY CONTROL \$ 76,000 7,71,400 794,522 818,378 842,930 868,217 894,264 921,092 94 688 LOSS ON DISPOSAL ASSETS \$ 5 -	7,133 7,347	7,568 - 522 - 9,133 1,006,502 - - - - 1,754,197 95%
California Cal	492 507 	9,133 1,006,502 - - - - 1,754,197
Figure F	492 507	9,133 1,006,502 - - - - 1,754,197 95%
RANGE RANGE S. F. F. F. F. F. F. F.	8,609 8,867 948,725 977,186 556,176 1,704,477 95% 95%	9,133 1,006,502 - - - - 1,754,197 95%
NONCONTRACTUAL SERVICES \$ 7,000 7,000 7,210 7,226 7,649 7,649 8,115 8,358 7,668 MISCELLANECUS CONTRACTUAL \$ 746,000 771,400 794,542 818,378 842,930 868,217 894,264 921,092 94,686 BUDGETARY CONTROL \$	948,725 977,186 	1,006,502 - - - - - - 1,754,197 95%
685 MISCELLANEOUS CONTRACTUAL \$ 746,000 771,400 794,542 818,378 842,930 868,217 894,64 921,092 94 686 BUDGETARY CONTROL \$ -	948,725 977,186 	1,006,502 - - - - - - 1,754,197 95%
BUDGETARY CONTROL S	556,176 1,704,477 95% 95%	1,754,197
BOILER & EXPLOSION INS S	656,176 1,704,477 95% 95%	1,754,197 95%
Sunction	656,176 1,704,477 95% 95%	1,754,197 95%
Sub-Total Fixed Operating Expenses \$ 1,297,007 1,354,509 1,393,956 1,434,561 1,476,358 1,519,381 1,563,666 1,609,252 1,655,6691 1,609,252 1,655,6691 1,609,252 1,655,6691 1,609,252 1,655,6691 1,609,252 1,655,6691 1,609,252 1,655,6991 1,655,6991	656,176 1,704,477 95% 95%	1,754,197 95%
Sub-Total Fixed Operating Expenses \$ 1,297,007 1,354,509 1,393,956 1,434,561 1,476,358 1,519,381 1,563,666 1,609,252 1,605,669 1,609,252 1,605,699 1,609,252 1,605,699 1,609,252 1,605,699 1,609,252 1,605,699 1,609,252 1,605,699 1,609,252 1,605,699 1	656,176 1,704,477 95% 95%	1,754,197 95%
Fixed Operating Expenses Execution Rate 95%	95% 95%	95%
Total Fixed Operating Expenses 1,232,157 1,286,784 1,324,259 1,324,259 1,362,833 1,402,540 1,443,412 1,485,483 1,528,789 1,577,693 1,577,6		
State Stat	573,367 \$ 1,619,253 \$	\$ 1,666,487
Figure F		
697 TELEPHONE \$ - <th< th=""><th></th><th>-</th></th<>		-
698 SEWER \$ - - - - - - - - - - - - - - - - -	-	-
699 REFUSE \$ 1,500 1,500 1,575 1,654 1,736 1,823 1,914 2,010 700 STORM WATER \$ 1,92 -	-	-
700 STORM WATER \$ - <	-	-
701 WIRELESS COMMUNICATIONS \$ 1,952 1,952 2,050 2,152 2,260 2,373 2,491 2,616 702 OTHER UTILITIES \$ - -	2,111 2,216	2,327
702 OTHER UTILITIES \$ -		
703 Sub-Total Variable Operating Expenses \$ 3,452 3,625 3,806 3,996 4,196 4,406 4,626 704 Variable Operating Expenses Execution Rate 75% 75% 75% 75% 75% 75% 75% 75% 75% 75%	2,747 2,884	3,028
704 Variable Operating Expenses Execution Rate 75% 75% 75% 75% 75% 75% 75% 75% 75% 75%	<u> </u>	-
705 Total Variable Operating Expenses \$ 2,589 \$ 2,589 \$ 2,718 \$ 2,854 \$ 2,997 \$ 3,147 \$ 3,304 \$ 3,470 \$	4,857 5,100	5,355
	75% 75%	75%
•	3,643 \$ 3,825 \$	\$ 4,016
706 <u>CIP Expense</u> - 707 <u>Personal Services Expenses</u>		
	282,480 288,130	293,892
709 TEMPORARY POSITIONS \$		-
710 SHIFT DIFFERENTIAL \$		-
711 STEP UP PAY \$		-
712 MEAL ALLOWANCES \$ 253		-
713 DEFERRED COMP MATCH \$ 3,550		-
714 CELL PHONE ALLOWANCE \$		-
715 OVERTIME \$ 92		-
716 STANDBY PAY \$		-
717 PREMIUM VACATION \$		-
718 PREMIUM HOLIDAY \$		-
719 SICK LEAVE BUY BACK \$		-
720 NON-ACCTBLE AUTO ALLOW \$ 358		-
	21,610 22,042	22,483

rojection of Cash Outflows											Sc	chedule 5
		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
22 UNEMPLOYMENT	\$	-	-	-	-	-	-	-	-	-	-	-
RAILROAD TAX	\$	-	-	-	-	-	-	-	-	-	-	-
4 LAGERS	\$	33,996	43,035	43,896	44,774	45,669	46,582	47,514	48,464	49,434	50,422	51,431
5 POLICE & FIRE PENSION	\$	-	-	-	-	-	-	-	-	-	-	-
26 DISABILITY INSURANCE	\$	666	-	-	-	-	-	-	-	-	-	-
7 WORKERS COMPENSATION	\$	-	-	-	-	-	-	-	-	-	-	-
8 EMPLOYEE HEALTH INSURANCE	\$	20,666	-	-	-	-	-	-	-	-	-	-
9 LIFE INSURANCE	\$	185	-	-	-	-	-	-	-	-	-	-
0 MISC PERSONNEL COSTS	\$	52	-	-	-	-	-	-	-	-	-	-
OTHER BENEFITS	\$	-	-	-	-	-	-	-	-	-	-	-
2 EMPLOYEE SERVICE AWARDS	\$	-	-	-	-	-	-	-	-	-	-	-
3 EMPLOYEE PARKING	\$	-	-	-	-	-	-	-	-	-	-	-
34 SAFETY AWARDS	\$	-	-	-	-	-	-	-	-	-	-	-
5 RETIREMENT SICK LEAVE PMT	\$	-	-	-	-	-	-	-	-	-	-	-
66 POST EMPLOYMENT BENEFIT	\$	-	-	-	-	-	-	-	-	-	-	-
37 Sub-Total Personal Services Expenses	\$	276,826	307,764	313,919	320,198	326,602	333,134	339,796	346,592	353,524	360,595	367,806
88 Personal Services Expenses Execution Rate		100%	95%	95%	95%	95%	95%	95%	95%	95%	95%	959
9 Total Personal Services Expenses	\$	276,826	\$ 292,376	\$ 298,223	\$ 304,188	\$ 310,272	\$ 316,477 \$	322,807	\$ 329,263 \$	335,848 \$	342,565	349,416
10 Fixed Operating Expenses												
11 CONSTRUCTION MATERIALS	\$	8	-	-	-	-	-	-	-	-	-	-
2 OFFICE SUPPLIES	\$	-	-	-	-	-	-	-	-	-	-	-
3 PRINTING	\$	1,986	-	-	-	-	-	-	-	-	-	-
14 POSTAGE	\$	-	-	-	-	-	-	-	-	-	-	-
15 HORTICULTURAL SUPPLIES	\$	-	-	-	-	-	-	-	-	-	-	-
16 PHOTOGRAPHY SUPPLIES	\$	-	-	-	-	-	-	-	-	-	-	-
7 JANITORIAL SUPPLIES	\$	-	-	-	-	-	-	-	-	-	-	-
18 FUEL OIL & LUBRICANTS	\$	-	-	-	-	-	-	-	-	-	-	-
9 JOB SITE MEALS 19-100	\$	-	-	-	-	-	-	-	-	-	-	-
50 FOOD	\$	-	-	-	-	-	-	-	-	-	-	-
1 MISCELLANEOUS	\$	-	-	-	-	-	-	-	-	-	-	-
2 INSTRUMENTS & APPARATUS	\$	-	-	-	-	-	-	-	-	-	-	-
3 TOOLS	\$	-	-	-	-	-	-	-	-	-	-	-
4 UNIFORMS	\$	-	-	-	-	-	-	-	-	-	-	-
55 CLOTHING	\$	-	-	-	-	-	-	-	-	-	-	-
66 SAFETY EQUIPMENT	\$	-	-	-	-	-	-	-	-	-	-	-
JOB SITE MEALS	\$	_	-	_	_	-	_	-	_	-	_	-
8 COMPUTER/ELECTRONIC ITEMS	\$	_	-	_	_	-	_	-	_	-	_	-
9 OTHER MISCELLANEOUS	\$	_	-	_	_	-	_	-	_	-	_	-
50 TRAVEL	\$	_	-	_	_	-	-	-	_	_	_	-
1 LEGAL FEES	\$	5,474	-	_	_	-	_	-	_	-	_	-
2 ENGINEERING FEES	\$	-	-	_	_	-	-	-	_	_	_	-
53 FINANCIAL FEES	\$	-	-	-	_	_	-	-	-	-	-	-
64 CONSULTING FEES	Ś	-	_	_	_	_	-	_	-	-	-	_
55 RECORDS MANAGEMENT FEES	ς ,	_	-	-	_	_	-	_	_	-	-	_
66 MEDICAL SERVICES	\$	_	-	-	_	_	-	_	_	-	-	_
77 OTHER PROFESSIONAL FEES	Ś	_	_	_	_	_	_	_	_	_	_	_
58 DUES	ç	_	-	-	-	-	-	-	-	-	-	_

Projection of Cash Outflows											S	chedule 5
		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
770 RENTALS	\$	-	-	-	-	-	-	-	-	-	-	-
771 BUILDING RENTALS	\$	-	-	-	-	-	-	-	-	-	-	-
772 EQUIPMENT RENTALS	\$	-	-	-	-	-	-	-	-	-	-	-
773 LAND RENTALS	\$	-	-	-	-	-	-	-	-	-	-	-
774 NONCONTRACTUAL SERVICES	\$	-	-	-	-	-	-	-	-	-	-	-
775 REFUNDS	\$	-	-	-	-	-	-	-	-	-	-	-
776 DAMAGE CLAIMS	\$	-	-	-	-	-	-	-	-	-	-	-
777 CONTINGENCY	\$	-	-	-	-	-	-	-	-	-	-	-
778 MISCELLANEOUS	\$	-	-	-	-	-	-	-	-	-	-	-
779 Sub-Total Fixed Operating Expenses	\$	8,006	-	-	-	-	-	-	-	-	-	-
780 Fixed Operating Expenses Execution Rate		95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95
781 Total Fixed Operating Expenses	\$	7,606	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
782 Variable Operating Expenses												
783 WATER	\$	-	-	-	-	-	-	-	-	-	-	-
784 REFUSE	\$	-	-	-	-	-	-	-	-	-	-	-
785 Sub-Total Variable Operating Expenses	\$		-	-	-	-	-	-	-	-	-	-
786 Variable Operating Expenses Execution Rate		75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	759
787 Total Variable Operating Expenses	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
788 TOTALS:												
789 Sub-Total Personal Services Expenses	\$	4,795,692	5,134,091	4,903,886	5,027,975	5,156,872	5,290,867	5,430,272	5,575,423	5,726,681	5,884,434	6,049,100
790 Personal Services Expenses Execution Rate		100.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.09
791 Total Personal Services Expenses	\$	4,795,692	4,877,386	4,658,691	4,776,577	4,899,029	5,026,324	5,158,758	5,296,652	5,440,347	5,590,212	5,746,645
792 Sub-Total Fixed Operating Expenses	\$	4,864,285	5,343,223	5,496,238	5,653,675	5,815,663	5,982,333	6,153,822	6,330,270	6,511,820	6,698,622	6,890,828
793 Fixed Operating Expenses Execution Rate		95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%	95.09
794 Total Fixed Operating Expenses	\$	4,621,071	5,076,062	5,221,426	5,370,991	5,524,879	5,683,216	5,846,131	6,013,756	6,186,229	6,363,691	6,546,287
795 Sub-Total Variable Operating Expenses	\$	1,393,319	1,406,872	1,477,216	1,551,076	1,628,630	1,710,062	1,795,565	1,885,343	1,979,610	2,078,591	2,182,520
796 Variable Operating Expenses Execution Rate		75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0
797 Total Variable Operating Expenses	\$	1,044,989	1,055,154	1,107,912	1,163,307	1,221,473	1,282,546	1,346,674	1,414,007	1,484,708	1,558,943	1,636,890
798 Minor Capital Outlay (Not Included in CIP)												
799 LAND	\$	-	-	-	-	-	-	-	-	-	-	-
800 BUILDING & STRUCTURES	\$	-	-	-	-	-	-	-	-	-	-	-
B01 CAPITAL IMPR TO BUILDINGS	\$	-	-	-	-	-	-	-	-	-	-	-
802 AUTOS	\$	-	-	-	-	-	-	-	-	-	-	-
BO3 TRUCKS	\$	47,944	-	-	-	-	-	-	-	-	-	-
804 FURNITURE	\$	-	-	-	-	-	-	-	-	-	-	-
805 MACHINE TOOLS & IMPLEMENT	\$	-	-	-	-	-	-	-	-	-	-	-
BO6 COMPUTER EQUIPMENT	\$	-	-	-	-	-	-	-	-	-	-	-
807 COMMUNICATIONS EQUIPMENT	\$	-	-	-	-	-	-	-	-	-	-	-
808 TRUCKS	\$	-	-	-	-	-	-	-	-	-	-	-
809 FURNITURE	\$	-	-	-	-	-	-	-	-	-	-	-
810 INSTRUMENTS & APPARATUS	\$	-	-	-	-	-	-	-	-	-	-	-
811 COMPUTER EQUIPMENT	\$	-	-	-	-	-	-	-	-	-	-	-
812 COMMUNICATIONS EQUIPMENT	\$	-	-	-	-	-	-	-	-	-	-	-
813 SOFTWARE	Ś	_	_	_	_							

Projection of Cash Outflows Schedule 5

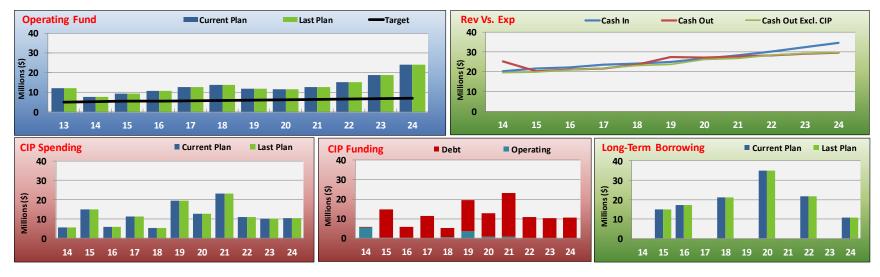
817 INSTRU 818 COMPU 819 COMMIN 820 SOFTW, 821 BUGGE* 822 INSURA 823 MACHIT 824 INSTRU 825 MACHIT 826 INSTRU 827 COMMI 828 CAPITAI 830 TRUCKS 831 MACHIT 832 INSTRU 833 COMPU 834 COMMIN 835 SOFTW, 836 AUTOS 837 INSTRU 838 COMPU 839 SOFTW, 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHIT 844 INSTRU 845 COMPU 846 COMMIN 847 SOFTW, 848 LAND 849 BUILDIN 849 BUILDIN 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHIT 856 INSTRU			FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
816 MACHII 817 INSTRU 818 COMPU 819 COMMI 820 SOFTW. 821 BUDGE* 822 INSURA 823 MACHII 824 INSTRU 825 MACHII 829 AUTOS 831 MACHII 832 INSTRU 833 COMMI 834 COMMI 835 SOFTW. 836 AUTOS 837 INSTRU 838 COMPU 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHII 844 INSTRU 845 COMPU 846 COMMI 847 SOFTW. 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET:	UTOS	\$	-	-	-	-	-	-	-	-	-	-	-
817 INSTRU 818 COMPU 819 COMMI 820 SOFTW, 821 BUGGE* 822 INSURA 823 MACHIT 824 INSTRU 825 MACHIT 826 INSTRU 827 COMMI 828 CAPITAI 830 TRUCKS 831 MACHIT 832 INSTRU 833 COMPU 834 COMMI 835 SOFTW, 836 AUTOS 837 INSTRU 838 COMPU 839 SOFTW, 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHIT 844 INSTRU 845 COMPU 846 COMMI 847 SOFTW, 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 855 INSTRU 855 INSTRU	RUCKS	\$	-	23,000	-	-	-	-	-	-	-	-	-
818 COMPU 819 COMMI 820 SOFTWA 821 BUDGE* 822 INSURA 823 MACHII 824 INSTRU 825 CAPITAI 829 AUTOS 830 TRUCKS 831 MACHII 832 INSTRU 833 COMPU 834 COMMI 835 SOFTWA 836 AUTOS 837 INSTRU 838 COMPU 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHII 844 INSTRU 845 COMPU 846 COMMI 847 SOFTWA 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT	MACHINE TOOLS & IMPLEMENT	\$	16,546	152,500	-	-	-	-	-	-	-	-	-
819 COMMI 820 SOFTW. 821 BUDGE* 822 INSURA 823 MACHII 824 INSTRU 825 MACHII 827 COMMI 830 TRUCKS 831 MACHII 832 COMPU 833 COMPU 834 COMMI 835 SOFTW. 836 AUTOS 837 INSTRU 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHII 844 INSTRU 845 COMPU 846 COMMI 847 SOFTW. 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET 853 HOACHII 854 OFFICE 855 MACHIII	NSTRUMENTS & APPARATUS	\$	14,166	-	-	-	-	-	-	-	-	-	-
820 SOFTW. 821 BUDGE' 822 INSURA 823 MACHII 824 INSTRU 825 MACHII 826 INSTRU 827 AUTOS 830 TRUCKS 831 MACHII 832 INSTRU 833 COMPU 834 COMMI 835 SOFTW. 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHIII 844 INSTRU 845 COMPU 846 COMMI 847 SOFTW. 848 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET 853 FURNIT 854 OFFICE 855 MACHIII 856 INSTRU	OMPUTER EQUIPMENT	\$	-	-	-	-	-	-	-	-	-	-	-
821 BUDGE* 822 INSURA 823 MACHII 824 INSTRU 825 MACHII 826 INSTRU 827 COMMI 828 CAPITAI 830 TRUCKS 831 MACHII 832 INSTRU 833 COMPU 833 COMPU 834 CAPITAI 834 COMMI 835 SOFTW. 836 AUTOS 837 INSTRU 838 COMPU 838 COMPU 838 COMPU 838 COMPU 838 COMPU 839 SOFTW. 839 SOFTW. 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHII 845 COMPU 846 COMMI 847 SOFTW. 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU	OMMUNICATIONS EQUIPMENT	\$	-	-	-	-	-	-	-	-	-	-	-
822 INSURA 823 MACHIR 824 INSTRU 825 MACHIR 826 INSTRU 827 COMMI 828 CAPITAI 829 AUTOS 831 MACHIR 832 INSTRU 833 COMPU 834 COMMI 835 SOFTW. 836 AUTOS 837 INSTRU 838 COMPU 839 SOFTW. 830 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHIR 844 INSTRU 845 COMPU 846 COMMI 847 SOFTW. 848 LAND 849 BUILDIR 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 855 INSTRU 855 INSTRU	OFTWARE	\$	-	-	-	-	-	-	-	-	-	-	-
823 MACHII 824 INSTRU 825 MACHII 826 INSTRU 827 COMMI 828 CAPITAI 829 AUTOS 830 TRUCKS 831 MACHII 832 INSTRU 833 COMPU 834 COMMI 835 SOFTW, 836 AUTOS 837 INSTRU 838 COMPU 839 SOFTW, 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHII 844 INSTRU 846 COMMI 847 SOFTW, 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU	UDGETARY CONTROL	\$	-	-	-	-	-	-	-	-	-	-	-
823 MACHII 824 INSTRU 825 MACHII 826 INSTRU 827 COMMI 828 CAPITAI 829 AUTOS 830 TRUCKS 831 MACHII 832 INSTRU 833 COMPU 834 COMMI 835 SOFTW, 836 AUTOS 837 INSTRU 838 COMPU 839 SOFTW, 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHII 844 INSTRU 846 COMMI 847 SOFTW, 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU	NSURANCE REIMBURSABLE	\$	-	-	-	-	-	-	-	-	-	-	-
824 INSTRU 825 MACHIR 826 INSTRU 827 COMMI 828 CAPITAI 829 AUTOS 830 TRUCKS 831 MACHIR 832 INSTRU 833 COMPU 834 COMMI 835 SOFTW. 836 AUTOS 837 INSTRU 838 COMPU 839 SOFTW. 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHIR 845 COMPU 846 COMMI 847 SOFTW. 848 LAND 849 BUILDIR 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHIR 856 INSTRU	MACHINE TOOLS & IMPLEMENT	\$	-	-	-	-	-	-	-	-	-	-	-
825 MACHII 826 INSTRU 827 COMMI 828 CAPITAI 829 AUTOS 830 TRUCKS 831 MACHII 832 INSTRU 833 COMPU 833 SOFTW. 836 AUTOS 837 INSTRU 838 COMPU 838 COMPU 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHIII 845 COMMI 847 SOFTW. 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU	NSTRUMENTS & APPARATUS	\$	-	-	-	-	-	-	-	-	-	-	-
826 INSTRU 827 COMMI 828 CAPITAL 830 TRUCKS 831 MACHII 832 INSTRU 833 COMPU 834 COMMI 835 SOFTW 836 AUTOS 837 INSTRU 838 COMPU 841 AUTOS 842 TRUCKS 843 MACHII 844 INSTRU 845 COMPU 846 COMMI 847 SOFTW 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET 853 FURNIT 854 OFFICE 855 MACHIII 856 INSTRU	MACHINE TOOLS & IMPLEMENT	Ś	_	_	_	_	_	_	_	_	_	_	-
827 COMMI 828 CAPITAI 829 AUTOS 830 TRUCKS 831 MACHII 832 INSTRU 833 COMPU 834 COMMI 835 SOFTW, 836 AUTOS 837 INSTRU 838 COMPU 839 SOFTW, 830 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHII 844 INSTRU 845 COMPU 846 COMMI 847 SOFTW, 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU	NSTRUMENTS & APPARATUS	Ś	_	_	_	_	_	_	_	_	_	_	-
828 CAPITAI 829 AUTOS 830 TRUCKS 831 MACHIII 832 INSTRU 833 COMPU 834 COMMI 835 SOFTW. 836 AUTOS 837 INSTRU 838 COMPU 839 SOFTW. 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHII 844 INSTRU 845 COMPU 846 COMMI 847 SOFTW. 848 LAND 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU	OMMUNICATIONS EQUIPMENT	Ś	_	_	_	_	_	-	_	-	-	_	_
829 AUTOS 830 TRUCKS 831 MACHIT 832 INSTRU 833 COMPU 834 COMMI 835 SOFTW 836 AUTOS 837 INSTRU 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHIT 844 INSTRU 845 COMPU 846 COMMI 847 SOFTW 848 LAND 849 BUILDIT 850 CAPITAI 851 AIR EAS 852 STREET 853 FURNIT 854 OFFICE 855 MACHIT 856 INSTRU	APITAL IMPR TO BUILDINGS	Ś	37,580	_	_	_	_	_	-	_	-	_	-
830 TRUCKS 831 MACHIR 832 INSTRU 833 COMPU 834 COMMI 835 SOFTW 836 AUTOS 837 INSTRU 838 SOFTW 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHIII 844 INSTRU 845 COMPU 846 COMMI 847 SOFTW 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET 853 FURNIT 854 OFFICE 855 MACHIII 856 INSTRU		Ś	-	_	_	_	_	_	-	_	-	_	-
831 MACHII 832 INSTRU 833 COMPU 834 COMMI 835 SOFTWA 836 AUTOS 837 INSTRU 838 COMPU 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHII 844 INSTRU 845 COMPU 846 COMMI 847 SOFTWA 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHIII 856 INSTRU		Ś	_	_	_	_	_	_	-	_	-	_	-
832 INSTRU 833 COMPU 834 COMMIN 835 SOFTWA 836 AUTOS 837 INSTRU 838 COMPU 839 SOFTWA 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHIR 844 INSTRU 845 COMPU 846 COMMI 847 SOFTWA 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHIR 856 INSTRU	MACHINE TOOLS & IMPLEMENT	\$	10,366	_	_	_	_	_	_	_	_	_	_
833 COMPU 834 COMMI 835 SOFTW 836 AUTOS 837 INSTRU 838 COMPU 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHIR 844 INSTRU 845 COMPU 846 COMMI 847 SOFTW 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET 853 FURNIT 854 OFFICE 855 MACHIR 856 INSTRU	NSTRUMENTS & APPARATUS	Ś	15,430	31,000	_	_	_	_	_	_	_	_	_
834 COMMI 835 SOFTWA 836 AUTOS 837 INSTRU 838 COMPU 839 SOFTWA 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHII 844 INSTRU 845 COMPU 846 COMMI 847 SOFTWA 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET 853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU	OMPUTER EQUIPMENT	\$	-	-	_	_	_	_	_	_	_	_	_
835 SOFTW. 836 AUTOS 837 INSTRU 838 COMPU 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHIII 844 INSTRU 845 COMPU 846 COMMI 847 SOFTW. 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET 853 FURNIT 854 OFFICE 855 MACHIII 856 INSTRU	OMMUNICATIONS EQUIPMENT	Š	_	_	_	_	_	_	_	_	_	_	_
836 AUTOS 837 INSTRU 838 COMPU 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHII 844 INSTRU 845 COMPU 846 COMMI 847 SOFTW 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET 853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU		Ś	_		_			_	_	_	_		
837 INSTRU 838 COMPU 839 SOFTWA 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHIR 844 INSTRU 845 COMPU 846 COMMI 847 SOFTWA 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHIR 856 INSTRU		Ś	_		_			_	_	_	_		
838 COMPU 839 SOFTW 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHII 844 INSTRU 845 COMPU 846 COMMI 847 SOFTW 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET 853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU	NSTRUMENTS & APPARATUS	Ś	_	55,000	_			_	_	_	_		
839 SOFTW. 840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHIN 844 INSTRU 845 COMPU 846 COMMI 847 SOFTW 848 LAND 849 BUILDIN 850 CAPITAI 851 AIR EAS 852 STREET 853 FURNIT 854 OFFICE 855 MACHIN 856 INSTRU	OMPUTER EQUIPMENT	ç		33,000									
840 CAPITAI 841 AUTOS 842 TRUCKS 843 MACHIII 844 INSTRU 845 COMPU 846 COMMI 847 SOFTW 848 LAND 850 CAPITAI 851 AIR EAS 852 STREET 853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU		Ś	_	_	_		_	_	_	_	_	_	_
841 AUTOS 842 TRUCKS 843 MACHII 844 INSTRU 845 COMPU 846 COMMI 847 SOFTW 848 LAND 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU	APITAL IMPR TO BUILDINGS	\$		28,000									
842 TRUCKS 843 MACHIN 844 INSTRU 845 COMPU 846 COMMU 848 LAND 849 BUILDIN 850 CAPITAI 851 AIR EAS 852 STREET 853 FURNIT 854 OFFICE 855 MACHIN 856 INSTRU		\$		20,000									
843 MACHII 844 INSTRU 845 COMPU 846 COMMU 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU		\$	270,000	105,400	_	_	_	_	_	_	_	_	_
844 INSTRU 845 COMPU 846 COMMI 847 SOFTW, 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU	MACHINE TOOLS & IMPLEMENT	\$	19,000	80,000	_	_	_	_	_	_	_	_	_
845 COMPU 846 COMMI 847 SOFTW. 848 LAND 849 BUILDII 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU	NSTRUMENTS & APPARATUS	\$	19,000	63,300	-	-	-	-	-	-	-	-	-
846 COMMI 847 SOFTW. 848 LAND 849 BUILDIN 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU	OMPUTER EQUIPMENT	\$	-	03,300	-	-	-	-	-	-	-	-	-
847 SOFTW. 848 LAND 849 BUILDIN 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHIN 856 INSTRU	OMMUNICATIONS EQUIPMENT	\$	-	-	-	-	-	-	-	-	-	-	-
848 LAND 849 BUILDIN 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHIN 856 INSTRU		\$	-	-	-	-	-	-	-	-	-	-	-
849 BUILDIN 850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHIN 856 INSTRU		\$	-	-	-	-	-	-	-	-	-	-	-
850 CAPITAI 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHIN 856 INSTRU	UILDING & STRUCTURES	\$	-	-	-	-	-	-	-	-	-	-	-
 851 AIR EAS 852 STREET: 853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU 	APITAL IMPR TO BUILDINGS	\$	-	-	-	-	-	-	-	-	-	-	-
 852 STREET: 853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU 		\$	-	-	-	-	-	-	-	-	-	-	-
853 FURNIT 854 OFFICE 855 MACHII 856 INSTRU		\$	-	-	-	-	-	-	-	-	-	-	-
854 OFFICE 855 MACHIN 856 INSTRU		ş \$	-	-	-	-	-	-	-	-	-	-	-
855 MACHIN 856 INSTRU		\$	-	-	-	-	-	-	-	-	-	-	-
856 INSTRU	OFFICE EQUIPMENT	\$	-	-	-	-	-	-	-	-	-	-	-
	MACHINE TOOLS & IMPLEMENT	\$ \$	-	-	-	-	-	-	-	-	-	-	-
OFT COMMUNICATION	NSTRUMENTS & APPARATUS		-	-	-	-	-	-	-	-	-	-	-
	OMPUTER EQUIPMENT	\$	-	-	-	-	-	-	-	-	-	-	-
	OMMUNICATIONS EQUIPMENT	\$	-	-	-	-	-	-	-	-	-	-	-
	OFTWARE	\$	-	-	-	-	-	-	-	-	-	-	-
	RAFFIC SIGNALS & SIGNS	\$	-	-	-	-	-	-	-	-	-	-	-
	leet Replacement otal Minor Capital Outlay	\$ \$	431,032	538,200	366,500 366,500	280,144 280,144	292,500 292,500	548,000 548,000	953,000 953,000	286,200 286,200	692,000 692,000	407,000 407,000	82,000 82,000

Projection of Cash Outflows Schedule 5

	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	<u>FY 2019</u>	FY 2020	FY 2021	FY 2022	FY 2023	<u>FY 2024</u>
863 Transfers Out											
864 2008B S.O. Bonds	\$ 116,556	116,555	116,555	116,555	116,555	116,555	116,555	116,555	116,555	116,555	116,555
865 GENERAL FUND	\$ 8,003	-	-	-	-	-	-	-	-	-	-
866 TRANSFERS	\$ -	-	-	-	-	-	-	-	-	-	-
867 GENERAL FUND	\$ -	-	-	-	-	-	-	-	-	-	-
868 STORM WATER	\$ -	-	-	-	-	-	-	-	-	-	-
869 DEPRECIATION	\$ 37,392	37,392	37,392	37,392	37,392	37,392	37,392	37,392	37,392	37,392	37,392
870 CAPITAL PROJECTS-GEN GOV	\$ 455,710	-	-	-	-	-	-	-	-	-	-
871 SUSTAINABILITY FUND	\$ -	-	-	-	-	-	-	-	-	-	-
872 Total Transfers Out	\$ 617,661	153,947	153,947	153,947	153,947	153,947	153,947	153,947	153,947	153,947	153,947
873 Other Below the Line Expenses											
874 BANK & PAYING AGENT FEES	\$ 355,764	355,764	366,437	377,430	388,753	400,416	412,428	424,801	437,545	450,671	464,191
875 LOSS ON DISPOSAL ASSETS	\$ 366,064	-	-	-	-	-	-	-	-	-	-
876 Total Other Below the Line Expenses	\$ 721,828	355,764	366,437	377,430	388,753	400,416	412,428	424,801	437,545	450,671	464,191
877 <u>Debt Service Expenditures</u>											
878 Series 2013 Revenue Refunding Bond	\$ 685,853	683,777	680,053	670,120	668,657	-	-	-	-	-	-
879 Series 2012B Special Obligation Refunding Bond	\$ 179,650	176,550	178,400	175,200	176,950	178,600	175,200	176,750	-	-	-
880 Series 2012 Revenue Bond	\$ 543,670	550,070	549,220	548,270	543,470	543,620	547,420	545,870	547,520	543,383	544,451
881 Series 2010 SRF Bond	\$ 3,396,627	3,409,684	3,422,974	3,436,484	3,450,300	3,464,403	3,478,778	3,493,410	3,508,380	3,523,670	3,539,264
882 Series 2009 Taxable Sewerage System Revenue Bond (BAB)	\$ 605,101	605,102	605,101	605,102	605,101	605,102	605,101	605,102	605,101	605,102	605,101
883 Series 2007B SRF (Water Pollution Control Revenue Bond)	\$ 141,394	142,987	139,481	136,081	137,581	133,531	129,481	130,722	126,566	122,172	122,600
884 Series 2006B SRF (Water Pollution Control Revenue Bond)	\$ 73,788	71,987	70,188	68,387	66,138	69,337	67,338	65,337	62,838	60,337	62,838
885 Series 2006 Special Obligation Refunding Bond	\$ 624,463	622,206	622,706	619,406	622,406	624,606	620,813	625,909	624,756	627,338	623,963
886 Series 2004B SRF (Water Pollution Control Revenue Bond)	\$ 50,175	48,743	47,310	50,735	49,029	47,305	45,625	43,875	42,125	45,250	48,125
887 Series 2003B SRF (Water Pollution Control Revenue Bond)	\$ 271,588	267,531	264,428	261,293	256,799	251,933	246,811	241,433	235,930	230,627	230,288
888 Series 2002A SRF (Water Pollution Control Revenue Bond)	\$ 170,338	164,425	163,377	157,197	155,881	154,562	148,109	146,500	140,000	138,375	-
889 Series 2000B SRF (Water Pollution Control Revenue Bond)	\$ 185,226	183,195	175,882	173,570	171,415	163,855	161,225	158,250	-	-	-
890 Series 1999B SRF (Water Pollution Control Revenue Bond)	\$ 106,450	102,400	103,275	98,775	94,275	94,775	89,888	-	-	-	-
891 Series 1999A SRF (Water Pollution Control Revenue Bond)	\$ 264,881	259,513	253,881	248,250	242,625	236,750	230,625	-	-	-	-
892 Cumulative Annual New Debt Service	\$ -	563,095	1,772,540	2,353,477	3,353,718	4,007,569	5,838,613	6,865,821	8,000,476	8,637,013	9,199,794
893 Total Debt Service Expense	\$ 7,299,204	7,851,265	9,048,816	9,602,347	10,594,345	10,575,948	12,385,027	13,098,979	13,893,692	14,533,267	14,976,424
894 TOTAL CASH OUTFLOWS	\$ 19,531,477	19,907,778	20,923,729	21,724,743	23,074,925	23,670,396	26,255,964	26,688,341	28,288,467	29,057,732	29,606,385

FAMS - Control Panel Schedule 6

				FIN	IANCIAL	ANALYSI.	S AND N	IANAGEI	ΛΕΝΤ SY.	STEM (FA	AMS) SUI	MMARY				
SAVE	CALC	ROLL		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Cumulativ	e Change
		Overri	ide ▶		30.23%	1.00%	6.00%	1.00%	2.00%	6.00%	6.00%	6.00%	6.00%	6.00%	FY 2019	FY 2024
Base Cha	arge Inc	reases		0.00%	30.23%	1.00%	6.00%	1.00%	2.00%	6.00%	6.00%	6.00%	6.00%	6.00%	66.44%	122.74%
		Last	t Plan	0.00%	30.23%	1.00%	6.00%	1.00%	2.00%	6.00%	6.00%	6.00%	6.00%	6.00%	66.44%	122.74%
		Overri	ide ▶		-6.12%	1.00%	6.00%	1.00%	2.00%	6.00%	6.00%	6.00%	6.00%	6.00%	FY 2019	FY 2024
Volume C	harge Ir	creases		0.00%	-6.12%	1.00%	6.00%	1.00%	2.00%	6.00%	6.00%	6.00%	6.00%	6.00%	3.56%	38.73%
		Last	t Plan	0.00%	-6.12%	1.00%	6.00%	1.00%	2.00%	6.00%	6.00%	6.00%	6.00%	6.00%	3.56%	38.73%
Rate	Covena	int		1.33	1.33	1.22	1.27	1.17	1.22	1.15	1.19	1.23	1.29	1.37	PS FY15 ►	95.0%
		Last	t Plan	1.33	1.33	1.22	1.27	1.17	1.22	1.15	1.19	1.23	1.29	1.37	OMV FY15 ►	75.0%
CIP \$ Red	distribu	tion ►		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	OMF FY15 ▶	95.0%
CIP Exe	cution	% ▶		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Net CIP	Funding	g % ▶		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	SW FTE Tfr?	Υ
Operating Re	eserve (I	Months)	•	6	6	6	6	6	6	6	6	6	6	6		
Annual Bo	orrowin	g (000s)		\$0	\$14,716	\$16,953	\$0	\$20,637	\$0	\$34,179	\$0	\$21,180	\$0	\$10,505	Elasticity	0.20
Sewer	Base Ch	arge		\$7.30	11.01	11.12	11.79	11.91	12.15	12.88	13.65	14.47	15.34	16.26		
Sewer V		•		\$12.91	12.14	12.25	12.99	13.10	13.37	14.17	15.03	15.94	16.90	17.91		
Average E	3ill (4,00	0 gals.)		\$20.21	23.15	23.37	24.78	25.01	25.52	27.05	28.68	30.41	32.24	34.17		
		Last	t Plan	\$20.21	23.15	23.37	24.78	25.01	25.52	27.05	28.68	30.41	32.24	34.17	Check	\$ -



Forecast of Net Revenues and Debt Service Coverage										S	Schedule 7
	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
1 Rate Revenue Subject to Growth & Rate Adjustments											
2 Rate Revenue	16,056,572	16,056,572	17,506,195	18,027,236	19,359,123	19,919,257	20,666,202	22,168,751	23,772,959	25,485,454	27,313,289
3 Additional Rate Revenue From Growth	-	340,719	363,761	366,962	386,213	389,614	396,470	417,290	439,219	462,317	486,646
4 Proposed Rate Adjustments	0.00%	6.00%	1.00%	6.00%	1.00%	2.00%	6.00%	6.00%	6.00%	6.00%	6.00%
5 Additional Rate Revenue From Rate Adjustment		983,291	178,700	1,103,652	197,453	406,177	1,263,760	1,355,162	1,452,731	1,556,866	1,667,996
6 Price Elasticity Adjustment		125,613	(21,420)	(138,727)	(23,532)	(48,847)	(157,681)	(168,244)	(179,454)	(191,348)	(203,965)
7 Total Rate Revenue Subject to Growth & Rate Adjustments	16,056,572	17,506,195	18,027,236	19,359,123	19,919,257	20,666,202	22,168,751	23,772,959	25,485,454	27,313,289	29,263,966
8 Plus: Other Operating Revenues											
9 Other Operating Revenues	2,971,740	3,497,606	3,543,665	3,711,718	3,760,852	3,840,292	4,026,984	4,227,276	4,442,183	4,672,070	4,917,308
10 Equals: Total Operating Revenues	19,028,312	21,003,801	21,570,900	23,070,842	23,680,109	24,506,493	26,195,734	28,000,235	29,927,637	31,985,359	34,181,274
11 Less: Operating & Maintenance Expenses											
12 Personal Services	(4,795,692)	(4,877,386)	(4,658,691)	(4,776,577)	(4,899,029)	(5,026,324)	(5,158,758)	(5,296,652)	(5,440,347)	(5,590,212)	(5,746,645)
13 Operating Expenses	(5,666,060)	(6,131,216)	(6,329,338)	(6,534,299)	(6,746,352)	(6,965,762)	(7,192,804)	(7,427,763)	(7,670,937)	(7,922,634)	(8,183,177)
14 Equals: Net Operating Income	8,566,560	9,995,199	10,582,871	11,759,966	12,034,728	12,514,407	13,844,172	15,275,820	16,816,354	18,472,513	20,251,452
15 Plus: Non-Operating Revenues/(Expenses)											
16 Non-Operating Revenue	1,110,540	477,919	452,919	427,919	402,919	377,919	352,919	327,919	302,919	277,919	252,919
17 Transfers In	_,,	375,000	375,000	375,000	375.000	375,000	375,000	375,000	375,000	375,000	375,000
18 Equals: Net Income	3,3,000	10,848,118	11,410,790	12,562,885	12,812,647	13,267,326	14,572,091	15,978,739	17,494,272	19,125,432	20,879,371
19 Less: Transfers In		(375,000)	(375,000)	(375,000)	(375,000)	(375,000)	(375,000)	(375,000)	(375,000)	(375,000)	(375,000)
20 Equals: Net Income Available for Debt Service		10,473,118	11,035,790	12,187,885	12,437,647	12,892,326	14,197,091	15,603,739	17,119,272	18,750,432	20,504,371
20 Equals: Net income Available for Debt Service	3,077,100	10,473,118	11,033,730	12,107,003	12,437,047	12,632,320	14,137,031	13,003,733	17,113,272	10,730,432	20,304,371
21 Senior-Lien Debt Service Coverage Test											
22 Existing Debt Service	7,299,204	7,288,170	7,276,276	7,248,870	7,240,627	6,568,379	6,546,414	6,233,158	5,893,216	5,896,254	5,776,630
23 Cumulative New Debt Service		563,095	1,772,540	2,353,477	3,353,718	4,007,569	5,838,613	6,865,821	8,000,476	8,637,013	9,199,794
24 Total Senior-Lien Debt Service	7,299,204	7,851,265	9,048,816	9,602,347	10,594,345	10,575,948	12,385,027	13,098,979	13,893,692	14,533,267	14,976,424
Required Planning	1,200,201	-,,	0,010,020	-,,			,,.	,,	,	_ ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_ ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
25 Debt Service Coverage: Test 1 (Net Revenues Only) 1.10 1.25	1.33	1.33	1.22	1.27	1.17	1.22	1.15	1.19	1.23	1.29	1.37
26 Cash Flow Test											
27 Net Income Available For Debt Service	-,- ,	10,473,118	11,035,790	12,187,885	12,437,647	12,892,326	14,197,091	15,603,739	17,119,272	18,750,432	20,504,371
28 Net Interfund Transfers (In - Out)	, , , , ,	221,053	221,053	221,053	221,053	221,053	221,053	221,053	221,053	221,053	221,053
29 Less: Debt Service Payments		(7,851,265)	(9,048,816)	(9,602,347)	(10,594,345)	(10,575,948)	(12,385,027)	(13,098,979)	(13,893,692)	(14,533,267)	(14,976,424)
30 Less: Other Below The Line Expenses	, , , , ,	(355,764)	(366,437)	(377,430)	(388,753)	(400,416)	(412,428)	(424,801)	(437,545)	(450,671)	(464,191)
31 Less: Minor Captial Outlay	(- , ,	(538,200)	(366,500)	(280,144)	(292,500)	(548,000)	(953,000)	(286,200)	(692,000)	(407,000)	(82,000)
32 Net Cash Flow	982,375	1,948,942	1,475,089	2,149,017	1,383,103	1,589,016	667,689	2,014,813	2,317,088	3,580,547	5,202,808
33 Working Capital Reserve Test											
34 Balance At Beginning Of Fiscal Year	12,051,465	7,502,840	9,256,988	10,558,250	12,707,268	13,703,011	11,700,537	11,636,950	12,744,323	15,061,411	18,641,958
35 Cash Flow Surplus/(Deficit)		1,948,942	1,475,089	2,149,017	1,383,103	1,589,016	667,689	2,014,813	2,317,088	3,580,547	5,202,808
36 Reserve Fund Balance Used For Cash Flow Deficit	,	1,570,572		2,143,017	1,363,103	1,333,010	007,089		_,517,000	5,550,547	3,202,000
37 Projects Designated To Be Paid With Cash		-	-	-	-	-	-	-	-	-	-
•	(5,531,000)	(194,794)	(173,827)	-	(387,359)	(3,591,490)	(731,277)	(907,440)	-	-	-
39 Balance At End Of Fiscal Year		9,256,988	10,558,250	12,707,268	13,703,011	11,700,537	11,636,950	12,744,323	15,061,411	18,641,958	23,844,766
				5,655,438	5,822,690			6,362,207			
	,,	5,504,301	5,494,015			5,996,043	6,175,781		6,555,642	6,756,423	6,964,911
41 Excess (Deficiency) of Working Capital to Target	2,271,964	3,752,687	5,064,236	7,051,830	7,880,321	5,704,494	5,461,168	6,382,115	8,505,769	11,885,534	16,879,855

APPENDIX A

Capital Project Funding Summary										S	chedule 8
	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
BOND PROCEEDS	\$ -	-	-	-	-	-	-	-	-	-	-
REVENUE FUND	\$ 5,531,000	194,794	173,827	-	387,359	3,591,490	731,277	907,440	-	-	-
SRF PROCEEDS	\$ -	-	-	-	-	-	-	-	-	-	-
DEBT PROCEEDS	\$ 50,000	14,665,545	5,625,963	11,327,236	4,814,665	15,821,876	12,036,215	22,143,267	10,980,887	10,199,350	10,505,250
PROJECTS DESIGNATED TO BE PAID WITH CASH	\$ -	-	-	-	-	-	-	-	-	-	-
Total CIP Spending	\$ 5,581,000	14,860,339	5,799,790	11,327,236	5,202,024	19,413,366	12,767,492	23,050,707	10,980,887	10,199,350	10,505,250
Total CIP Input	\$ 5,581,000	14,860,339	5,799,790	11,327,236	5,202,024	19,413,366	12,767,492	23,050,707	10,980,887	10,199,350	10,505,250
Variance	\$ -	-	-	-	-	-	-	-	-	-	-

Revenue Bond Borrowing Projections Schedule 9

		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Term (Years)		20	20	20	20	20	20	20	20	20	20	20
Interest Rate		3.50%	3.75%	4.00%	4.25%	4.75%	5.00%	5.25%	5.25%	5.25%	5.25%	5.25%
Sources of Funds												
Par Amount	\$	-	15,015,862	17,299,183	-	21,057,695	-	34,877,023	-	21,612,486	-	10,719,643
Uses of Funds												
Proceeds	\$	-	14,715,545	16,953,199	-	20,636,541	-	34,179,482	-	21,180,237	-	10,505,250
Cost of Issuance 2.00% of Par	\$	-	300,317	345,984	-	421,154	-	697,540	-	432,250	-	214,393
Underwriter's Discount \$0.00 per \$1,000	\$	-	-	-	-	-	-	-	-	-	-	-
Bond Insurance 0 times total Debt Ser	vice \$	-	-	-	-	-	-	-	-	-	-	-
Capitalized Interest 0 Years Interest	\$	-	-	-	-	-	-	-	-	-	-	-
Debt Service Surety 0.00% of Debt Service	\$	-	-	-	-	-	-	-	-	-	-	-
Debt Service Reserve 0 Years of Debt Service	e \$	-	-	-	-	-	-	-	-	-	-	-
Other Costs	\$	-	-	-	-	-	-	-	-	-	-	-
Total Uses	\$	-	15,015,862	17,299,183	-	21,057,695	-	34,877,023	-	21,612,486	-	10,719,643
1 Year Interest	\$	-	563,095	691,967	_	1,000,241	_	1,831,044	-	1,134,656	_	562,781
Annual Debt Service	\$	-	1,080,573	1,272,904	-	1,654,092	-	2,858,252	-	1,771,193	-	878,499
Total Debt Service	\$	-	21,611,458	25,458,083	-	33,081,836	=	57,165,033	=	35,423,851	=	17,569,984
Required Proceeds for Capital Funding		\$50,000	14,665,545	5,625,963	11,327,236	4,814,665	15,821,876	12,036,215	22,143,267	10,980,887	10,199,350	10,505,250
Cumulative Annual New Debt Service (1)		\$0	563,095	1,772,540	2,353,477	3,353,718	4,007,569	5,838,613	6,865,821	8,000,476	8,637,013	9,199,794

⁽¹⁾ Assumes interest-only payment due in first year of issuance.

Funding Summary by Fund Schedule 10

		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
BOND PROCEEDS												
Balance at the Beginning of the Fiscal Year	\$	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168
Additional Annual Revenues	\$	-	-	-	-	-	-	-	-	-	-	-
Less: Payment of Debt Service	\$	-	-	-	-	-	-	-	-	-	-	-
Subtotal	\$	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168
Less: Restricted Funds	\$	-	-	-	-	-	-	-	-	-	-	-
Total amount Available for Projects	\$	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168
Amount Paid for Projects	\$	-	-	-	-	-	-	-	-	-	-	-
Subtotal	\$	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168
Add Back : Restricted Funds (WCR)	\$	-	-	-	-	-	-	-	-	-	-	-
Plus: Interest Earnings	\$	-	-	-	-	-	-	-	-	-	-	-
Less: Interest Allocated to Cash Flow	\$	-	-	-	-	-	-	-	-	-	-	-
Balance at End of Fiscal Year	\$	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168	8,109,168
REVENUE FUND												
Balance at the Beginning of the Fiscal Year	\$	12,051,465	7,502,840	9,256,988	10,558,250	12,707,268	13,703,011	11,700,537	11,636,950	12,744,323	15,061,411	18,641,958
Additional Annual Revenues	\$	982,375	1,948,942	1,475,089	2,149,017	1,383,103	1,589,016	667,689	2,014,813	2,317,088	3,580,547	5,202,808
Less: Cash Funded Capital Projects	\$	-	-	-	-	-	-	-	-	-	-	-
Less: Payment of Debt Service	\$	-	-	-	-	-	-	-	-	-	-	-
Subtotal	\$	13,033,840	9,451,782	10,732,077	12,707,268	14,090,370	15,292,027	12,368,226	13,651,763	15,061,411	18,641,958	23,844,766
Less: Restricted Funds	\$	(5,230,876)	(5,504,301)	(5,494,015)	(5,655,438)	(5,822,690)	(5,996,043)	(6,175,781)	(6,362,207)	(6,555,642)	(6,756,423)	(6,964,911)
Total amount Available for Projects	\$	7,802,964	3,947,481	5,238,063	7,051,830	8,267,680	9,295,984	6,192,445	7,289,555	8,505,769	11,885,534	16,879,855
Amount Paid for Projects	\$	(5,531,000)	(194,794)	(173,827)	-	(387,359)	(3,591,490)	(731,277)	(907,440)	-	-	-
Subtotal	\$	2,271,964	3,752,687	5,064,236	7,051,830	7,880,321	5,704,494	5,461,168	6,382,115	8,505,769	11,885,534	16,879,855
Add Back : Restricted Funds (WCR)	\$	5,230,876	5,504,301	5,494,015	5,655,438	5,822,690	5,996,043	6,175,781	6,362,207	6,555,642	6,756,423	6,964,911
Plus: Interest Earnings	Ś	-	-	-, - ,	-	-	-	-, -, -	-	-	-	-
Less: Interest Allocated to Cash Flow	Ś	_	_	_	_	_	_	_	_	_	_	_
Balance at End of Fiscal Year	\$	7,502,840	9,256,988	10,558,250	12,707,268	13,703,011	11,700,537	11,636,950	12,744,323	15,061,411	18,641,958	23,844,766
RESTRICTED RESERVES												
Balance At Beginning Of Fiscal Year	\$	3,391,934	3,391,934	3,391,934	3,391,934	3,391,934	3,391,934	3,391,934	3,391,934	3,391,934	3,391,934	3,391,934
Additional Funds:	\$		-	-	-	-	-	-	-	-	-	-
Debt Service Reserve On New Debt	Ś	_	_	-	-	_	_	-	-	-	_	_
Other Additional Funds	\$	_	_	-	-	_	_	-	_	-	_	_
Subtotal	Ś	3,391,934	3,391,934	3,391,934	3,391,934	3,391,934	3,391,934	3,391,934	3,391,934	3,391,934	3,391,934	3,391,934
Plus: Interest Earnings	ς .	-	-	-	-	-	-	-	-	-	-	-
Less: Interest Allocated To Cash Flow	ڊ \$	-	_	_	_	_	_	_	_	_	_	
LESS. IIILETESI MITULALEU TU CASII FIUW	ڔ	-	-	-	-	-	-	-	-	-	-	-

APPENDIX B – RATE STRUCTURE MODIFICATIONS

Supporting Schedules

The Schedules on the following pages present the supporting assumptions and results of the Rate Structure Modifications Analysis.

Recommended FY 2015 Rates

	Meter Size	Ва	se Charge	Volur	ne Charge / CCF
Residential Rates					
	All	\$	11.01	\$	2.27
Commercial Rates					
	5/8	\$	11.01	\$	2.27
	3/4	\$	16.52	\$	2.27
	1	\$	27.53	\$	2.27
	1.5	\$	55.05	\$	2.27
	2	\$	88.08	\$	2.27
	3	\$	176.16	\$	2.27
	4	\$	275.25	\$	2.27
	6	\$	550.50	\$	2.27
	8	\$	880.80	\$	2.27
	10	\$	1,266.15	\$	2.27
	12	\$	2,367.15	\$	2.27

Single Family Residential 5/8" Meter Bill Impacts

Schedule 2

Inside-City Single Family 5/8" Meter Monthly Sewer Bill Calculations													
Monthly	Monthly			Cı	urrent	Pr	oposed						
Use (CCF)	Use (Gal)	% of Bills	Agg. %	<u>(I</u>	FY 14)	<u>(</u> 1	FY 15)	<u>\$</u>	Chg				
-	-	2.1%	2.1%	\$	7.30	\$	11.01	\$	3.71				
1	748	5.4%	7.4%	\$	9.71	\$	13.28	\$	3.57				
2	1,496	25.2%	32.7%	\$	12.13	\$	15.55	\$	3.42				
3	2,244	11.3%	43.9%	\$	14.54	\$	17.82	\$	3.28				
4	2,992	11.7%	55.6%	\$	16.96	\$	20.09	\$	3.13				
5	3,740	11.1%	66.7%	\$	19.37	\$	22.36	\$	2.99				
6	4,488	9.7%	76.4%	\$	21.78	\$	24.63	\$	2.85				
7	5,236	6.8%	83.2%	\$	24.20	\$	26.90	\$	2.70				
8	5,984	4.9%	88.2%	\$	26.61	\$	29.17	\$	2.56				
9	6,732	3.5%	91.6%	\$	29.03	\$	31.44	\$	2.41				
10	7,480	2.4%	94.1%	\$	31.44	\$	33.71	\$	2.27				
11	8,228	1.6%	95.7%	\$	33.85	\$	35.98	\$	2.13				
12	8,976	1.1%	96.8%	\$	36.27	\$	38.25	\$	1.98				
13	9,724	0.8%	97.6%	\$	38.68	\$	40.52	\$	1.84				
14	10,472	0.5%	98.2%	\$	41.10	\$	42.79	\$	1.69				
15	11,220	0.4%	98.6%	\$	43.51	\$	45.06	\$	1.55				
16	11,968	0.3%	98.9%	\$	45.92	\$	47.33	\$	1.41				
17	12,716	0.2%	99.1%	\$	48.34	\$	49.60	\$	1.26				
18	13,464	0.2%	99.3%	\$	50.75	\$	51.87	\$	1.12				
19	14,212	0.1%	99.4%	\$	53.17	\$	54.14	\$	0.97				
20	14,960	0.1%	99.5%	\$	55.58	\$	56.41	\$	0.83				

80% of the Utility's bills in FY 2013 were issued to residential customers with a 5/8" meter located inside the City

Commercial 5/8" Meter Bill Impacts

Schedule 3

Inside-City Commercial 5/8" Meter Monthly Sewer Bill Calculations													
Monthly Use (CCF)	Monthly Use (Gal)	% of Bills	Agg. %		Current FY 14)		roposed FY 15)	Š	S Chg				
-	-	22.8%	22.8%	\$	7.30	\$	11.01	\$	3.71				
1	748	18.3%	41.1%	\$	9.71	\$	13.28	\$	3.57				
2	1,496	10.9%	52.0%	\$	12.13	\$	15.55	\$	3.42				
3	2,244	7.4%	59.4%	\$	14.54	\$	17.82	\$	3.28				
4	2,992	5.9%	65.3%	\$	16.96	\$	20.09	\$	3.13				
5	3,740	4.7%	70.0%	\$	19.37	\$	22.36	\$	2.99				
6	4,488	4.1%	74.2%	\$	21.78	\$	24.63	\$	2.85				
7	5,236	3.1%	77.3%	\$	24.20	\$	26.90	\$	2.70				
8	5,984	2.7%	79.9%	\$	26.61	\$	29.17	\$	2.56				
9	6,732	2.4%	82.3%	\$	29.03	\$	31.44	\$	2.41				
10	7,480	2.1%	84.4%	\$	31.44	\$	33.71	\$	2.27				
15	11,220	0.9%	90.6%	\$	43.51	\$	45.06	\$	1.55				
20	14,960	0.5%	93.6%	\$	55.58	\$	56.41	\$	0.83				
30	22,440	0.2%	96.3%	\$	79.72	\$	79.11	\$	(0.61)				
40	29,920	0.1%	97.6%	\$	103.86	\$	101.81	\$	(2.05)				
50	37,400	0.1%	98.4%	\$	128.00	\$	124.51	\$	(3.49)				

5% of the Utility's bills in FY 2013 were issued to commercial customers with a 5/8" meter located inside the City

Commercial 1" Meter Bill Impacts

Schedule 4

Inside-City Commercial 1" Meter Monthly Sewer Bill Calculations										
Monthly	Monthly			C	<u>urrent</u>	<u>Pr</u>	oposed			
Use (CCF)	Use (Gal)	% of Bills	Agg. %	<u>(</u>	Y 14) (FY 15)		FY 15)		\$ Chg	
-	-	6.9%	6.9%	\$	24.33	\$	27.53	\$	3.20	
1	748	5.3%	12.3%	\$	26.74	\$	29.80	\$	3.06	
2	1,496	5.3%	17.5%	\$	29.16	\$	32.07	\$	2.91	
3	2,244	5.6%	23.1%	\$	31.57	\$	34.34	\$	2.77	
4	2,992	4.9%	28.0%	\$	33.99	\$	36.61	\$	2.62	
5	3,740	3.6%	31.7%	\$	36.40	\$	38.88	\$	2.48	
6	4,488	3.4%	35.1%	\$	38.81	\$	41.15	\$	2.34	
7	5,236	3.1%	38.2%	\$	41.23	\$	43.42	\$	2.19	
8	5,984	2.9%	41.1%	\$	43.64	\$	45.69	\$	2.05	
9	6,732	2.7%	43.8%	\$	46.06	\$	47.96	\$	1.90	
10	7,480	2.8%	46.6%	\$	48.47	\$	50.23	\$	1.76	
15	11,220	1.8%	57.5%	\$	60.54	\$	61.58	\$	1.04	
20	14,960	1.5%	65.1%	\$	72.61	\$	72.93	\$	0.32	
30	22,440	1.1%	77.3%	\$	96.75	\$	95.63	\$	(1.12)	
40	29,920	0.5%	83.3%	\$	120.89	\$	118.33	\$	(2.56)	
50	37,400	0.4%	87.4%	\$	145.03	\$	141.03	\$	(4.00)	
60	44,880	0.2%	90.2%	\$	169.17	\$	163.73	\$	(5.44)	
70	52,360	0.2%	92.3%	\$	193.31	\$	186.43	\$	(6.88)	
80	59,840	0.2%	94.0%	\$	217.45	\$	209.13	\$	(8.32)	
90	67,320	0.1%	95.5%	\$	241.59	\$	231.83	\$	(9.76)	
100	74,800	0.1%	96.6%	\$	265.73	\$	254.53	\$	(11.20)	
125	93,500	0.0%	98.2%	\$	326.08	\$	311.28	\$	(14.80)	
150	112,200	0.0%	98.8%	\$	386.43	\$	368.03	\$	(18.40)	
175	130,900	0.0%	99.2%	\$ -	446.78	\$	424.78	\$	(22.00)	
200	149,600	0.0%	99.5%	\$	507.13	\$	481.53	\$	(25.60)	

2% of the Utility's bills in FY 2013 were issued to commercial customers with a 1" meter located inside the City

Commercial 2" Meter Bill Impacts

Schedule 5

Insid	le-City Com	mercial 2'	' Meter M	ont	hly Sewer	Bill	Calculat	Inside-City Commercial 2" Meter Monthly Sewer Bill Calculations										
Monthly (CCF)	Monthly (Call)					roposed		Å Ole -										
Use (CCF)	Use (Gal)	% of Bills	Agg. %		(FY 14)		FY 15)		\$ Chg									
-	-	2.9%	2.9%	\$	77.87	\$	88.08	\$	10.21									
5	3,740	0.8%	7.7%	\$	89.94	\$	99.43	\$	9.49									
10	7,480	1.1%	13.2%	\$	102.01	\$	110.78	\$	8.77									
15	11,220	1.0%	18.4%	\$	114.08	\$	122.13	\$	8.05									
20	14,960	0.8%	23.1%	\$	126.15	\$	133.48	\$	7.33									
30	22,440	0.7%	31.9%	\$	150.29	\$	156.18	\$	5.89									
40	29,920	0.8%	38.8%	\$	174.43	\$	178.88	\$	4.45									
50	37,400	0.7%	45.4%	\$	198.57	\$	201.58	\$	3.01									
60	44,880	0.7%	51.4%	\$	222.71	\$	224.28	\$	1.57									
70	52,360	0.5%	57.0%	\$	246.85	\$	246.98	\$	0.13									
80	59,840	0.4%	62.1%	\$	270.99	\$	269.68	\$	(1.31)									
90	67,320	0.4%	66.3%	\$	295.13	\$	292.38	\$	(2.75)									
100	74,800	0.3%	69.5%	\$	319.27	\$	315.08	\$	(4.19)									
125	93,500	0.3%	76.0%	\$	379.62	\$	371.83	\$	(7.79)									
150	112,200	0.2%	80.1%	\$	439.97	\$	428.58	\$	(11.39)									
175	130,900	0.1%	83.7%	\$	500.32	\$	485.33	\$	(14.99)									
200	149,600	0.1%	86.0%	\$	560.67	\$	542.08	\$	(18.59)									
300	224,400	0.1%	92.1%	\$	802.07	\$	769.08	\$	(32.99)									
400	299,200	0.0%	95.8%	\$	1,043.47	\$	996.08	\$	(47.39)									
450	336,600	0.0%	97.1%	\$	1,164.17	\$	1,109.58	\$	(54.59)									
500	374,000	2.3%	100.0%	\$	1,284.87	\$	1,223.08	\$	(61.79)									

1% of the Utility's bills in FY 2013 were issued to commercial customers with a 2" meter located inside the City

Various Large Volume/Meter Size Customer Bill Impacts

Large Consumption/Meter Size Customer Impact Calculations											
Avg. Monthly			Current	F	Proposed						
Usage (CCF)	Meter Size		(FY 14)		(FY 15)		\$ Chg	% Chg			
628	2"	¢	1 670 92	¢	1 500 30	¢	(80 52)	-4.8%			
028	3	۲	1,070.92	ٻ	1,390.39	٧	(80.32)	-4.070			
207	3"	\$	656.23	\$	636.24	\$	(20.00)	-3.0%			
4,457	4"	\$	11,001.93	\$	10,375.56	\$	(626.38)	-5.7%			
30,456	6"	\$	70,570.40	\$	65,505.26	\$(5,065.14)	-7.2%			
4,352	Multiple	\$	15,165.21	\$	11,736.30	\$(3,428.90)	-22.6%			
73	Multiple	\$	5,693.67	\$	4,582.38	\$(1,111.29)	-19.5%			
1,034	Multiple	\$	4,696.80	\$	3,596.84	\$(1,099.96)	-23.4%			
	Avg. Monthly Usage (CCF) 628 207 4,457 30,456 4,352 73	Avg. Monthly Usage (CCF) Meter Size 628 3" 207 3" 4,457 4" 30,456 6" 4,352 Multiple 73 Multiple	Avg. Monthly Usage (CCF) Meter Size 628 3" \$ 207 3" \$ 4,457 4" \$ 30,456 6" \$ 4,352 Multiple \$ 73 Multiple \$	Avg. Monthly Usage (CCF) Meter Size Current (FY 14) 628 3" \$ 1,670.92 207 3" \$ 656.23 4,457 4" \$ 11,001.93 30,456 6" \$ 70,570.40 4,352 Multiple \$ 15,165.21 73 Multiple \$ 5,693.67	Avg. Monthly Usage (CCF) Meter Size Current (FY 14) Equation (FY 14) 628 3" \$ 1,670.92 \$ 207 3" \$ 656.23 \$ 4,457 4" \$ 11,001.93 \$ 30,456 6" \$ 70,570.40 \$ 4,352 Multiple \$ 15,165.21 \$ 73 Multiple \$ 5,693.67 \$	Avg. Monthly Usage (CCF) Meter Size Current (FY 14) Proposed (FY 15) 628 3" \$ 1,670.92 \$ 1,590.39 207 3" \$ 656.23 \$ 636.24 4,457 4" \$ 11,001.93 \$ 10,375.56 30,456 6" \$ 70,570.40 \$ 65,505.26 4,352 Multiple \$ 15,165.21 \$ 11,736.30 73 Multiple \$ 5,693.67 \$ 4,582.38	Avg. Monthly Usage (CCF) Meter Size Current (FY 14) Proposed (FY 15) 628 3" \$ 1,670.92 \$ 1,590.39 \$ 207 3" \$ 656.23 \$ 636.24 \$ 4,457 4" \$ 11,001.93 \$ 10,375.56 \$ 30,456 6" \$ 70,570.40 \$ 65,505.26 \$(4,352 Multiple \$ 15,165.21 \$ 11,736.30 \$(73 Multiple \$ 5,693.67 \$ 4,582.38 \$(Avg. Monthly Usage (CCF) Meter Size Current (FY 14) Proposed (FY 15) \$ Chg 628 3" \$ 1,670.92 \$ 1,590.39 \$ (80.52) 207 3" \$ 656.23 \$ 636.24 \$ (20.00) 4,457 4" \$ 11,001.93 \$ 10,375.56 \$ (626.38) 30,456 6" \$ 70,570.40 \$ 65,505.26 \$ (5,065.14) 4,352 Multiple \$ 5,693.67 \$ 4,582.38 \$ (1,111.29)			

APPENDIX C - CONNECTION FEES

Supporting Schedules

The Schedules on the following pages present the supporting assumptions and results of the Connection Fee Analysis.

SE	WER SYSTEM CONNECTION FEE CALCU	LATION						So	chedule 1
					ANSMISSION PUMPING	TREATMENT/ DISPOSAL	ADMIN		TOTAL
L	SEWER SYSTEM BUY-IN ANALYSIS:								
2	Sewer System Project Costs			\$	170,388,267	112,985,216	2,703,343	\$	286,076,826
3 1	Less: Portion Funded From Grants Eligible Project Costs, Net of Grant Funding	10.0%		Ċ	(17,038,827) 153,349,441	(11,298,522) 101,686,694	(270,334) 2,433,009	\$	(28,607,683
5	Eligible Project Costs Financed With Debt	50.0%		\$	76,674,720	50,843,347	1,216,504	Ş	128,734,572
5 7	Eligible Project Costs Funded From Other Sources Eligible Project Costs, Net of Grant Funding			\$	76,674,720 153,349,441	50,843,347 101,686,694	1,216,504 2,433,009	\$	128,734,572 257,469,143
3	DEBT FINANCING ANALYSIS:								
) LO	Sources of Funds: Estimated Par Amount	3.50%	Int for 25.00 Years	\$	78,239,510	51,880,966	1.241.331	ć	131,361,808
LO L1	Estimated Int Earnings on Const Fund	0.00%	Int for 0 Months		-	-	1,241,331	Ţ	-
12	Total Sources of Funds	0.0070	meror o monero	\$	78,239,510	51,880,966	1,241,331	\$	131,361,808
13	Uses of Funds:								
L4	Project Cost Proceeds			\$	76,674,720	50,843,347	1,216,504	\$	128,734,57
.5	Cost of Issuance	2.00%	of Par		1,564,790	1,037,619	24,827		2,627,23
6	Underwriter's Discount	\$0.00	per \$1,000		-	-	-		-
7	Bond Insurance	0	times total Debt Service		-	-	-		-
8	Capitalized Interest	0	Years Interest		-	-	-		-
9	Debt Service Surety	0.00%	of Debt Service		-	-	-		-
0 1	Debt Service Reserve Total Uses of Funds	0	Years of Debt Service	\$	78,239,510	51,880,966	1,241,331	\$	131,361,80
2	Annual Debt Service			\$	4,747,107	3,147,828	75,317	\$	7,970,25
:3	Total P&I Payments over Term of Loan			\$	118,677,670	78,695,689	1,882,915	\$	199,256,27
24	Eligible Project Costs Funded From Other Sources				76,674,720	50,843,347	1,216,504	_	128,734,57
5	TOTAL SEWER SYSTEM BUY-IN COSTS:			Ş	195,352,391	129,539,036	3,099,419	\$	327,990,84
6	SEWER SYSTEM CONNECTION FEE CALCULATION								
7	Capacity (MGD)	_			25.20	25.20	25.20		N,
8	Capacity (NGD) Capacity in Equivalent Residential Units (ERUs) @	275	Gallons Per Day		91,636	91,636	91,636		N,
		2/3	Gunons i er bay	_				_	
9	Cost per ERU			\$	2,132	1,414 (395)	34	\$	3,58
0	Credit for NPV of Debt Service in Usage Rates Sewer Connection Fee per ERU			\$	(595) 1,537	1,019	(9) 25	\$	(99 2,58
2	Less: Allowance for Estimation & Contingency			ş	(72)	(48)	(1)	ş	2,58
3	Net Connection Fee per ERU			Ś	1,465	971	23	\$	2,46
4	Percentage of Full Cost Recovery			7	_, .33		20	Ť	100
5	PROPOSED SEWER CONNECTION FEE PER	ERU:		\$	1,465	971	23	\$	2,460
6	Current Sewer Connection Fee per ERU							\$	80
37	\$ Change							\$	1,660
38	% Change								2079

APPENDIX C

CEVALED	SYSTEM	EIVED	ACCET	COCTC	2. CAD/	Λ Γ Γ Γ Γ Γ

	ASSET DESCRIPTION, BY FUNCTION	YEAR IN SERVICE	ORIGINAL COST	USEFUL LIFE	FY 2014 COST (RCNLD)	PERCENT INCLUDED	ASSET COSTS INCLUDED	CAPACITY (MGD)
				(Years)				
1	TRANSMISSION/ PUMPING AIR COMPRESSOR	1993	\$ 10,500	10	\$ 1,972	100%	\$ 1,972	
1 2	CLOSED CIRCUIT COLOR TV	2001	24,621	10	3,804	100%	3,804	
3	2000 CHEV DIESEL DUMP TRUCK	2000	40,780	10	7,323	100%	7,323	
4	2003 CHEVROLET DUMP TRUCK	2003	51,643	10	11,323	100%	11,323	
5	2014 INTL DUMP TRUCK	2013	-	10	-	100%	-	
6	SHORING JACK	1987	5,063	10	1,110	100%	1,110	
7	IMPROVEMENTS	1970	35,000	40	-	100%	-	
8	IMPROVEMENTS	1957	8,477	40	-	100%	-	
9	SEWER DIST #138 ETI	1998	108,838	99	151,877	100%	151,877	
10	SEWER DIST #136 OLIVE ST. MC-7 TRUNK SEWER	1999 1999	45,032 140,236	99 99	62,137 193,509	100% 100%	62,137 193,509	
11 12	SEWER DISTRICT #137	1999	17,378	99	23,980	100%	23,980	
13	H-4 TRUNK SEWER	2000	162,625	99	221,142	100%	23,380	
14	RT B SOUTH	2000	88,000	99	119,666	100%	119,666	
15	RICHMOND AVE. RELOCATION	2000	15,000	99	20,397	100%	20,397	
16	DONATED SEWER LINES FY00	2000	3,387,793	99	4,606,822	0%	-	
17	ALUM. SKELETON BOX	1987	5,643	10	1,222	100%	1,222	
18	96 CASE 590 BACKHOE	1996	50,754	10	8,837	100%	8,837	
19	SELF PROPELLED CAMERA	1997	5,499	10	924	100%	924	
20	1998 BOBCAT SKID STEER LOADER	1998	20,891	10	-	100%	-	
21	11' BACKHOE ATTACHMENT	1999	6,550	10	1,058	100%	1,058	
22 23	HYDRAULIC BREAKER ATTACHMENT STANLEY HYDRAULIC COMPACTOR	1999 2000	6,995 6,350	10 10	1,130 999	100%	1,130 999	
24	CASE BACKHOE	2000	70,471	10	10,887	100%	10,887	
25	HYDRAULIC SHORING BOX	2001	8,158	10	1,260	100%	1,260	
26	CASE 4WD BACKHOE LOADER	2007	83,833	10	38,871	100%	38,871	
27	CENTRIFUGE	2007	1,849,641	10	829,705	100%	829,705	
28	2008 BOBCAT T250 TRACK LOADER	2007	50,332	10	27,088	100%	27,088	
29	2008 RAMVAC VACUUM TRAILER	2009	127,557	10	87,755	100%	87,755	
30	TV INSPEC VIDEO CABLE ASSEMBLY	2009	5,005	10	3,100	100%	3,100	
31	SELF-PROPELLED EASEMENT MACH	2009	45,946	10	28,855	100%	28,855	
32	EASEMENT MACHINE	2011	42,374	10	35,431	100%	35,431	
33	LASER PROFILE SYSTEM	2012 2013	40,000 81,855	10 10	35,718 78,238	100%	35,718	
34 35	2013 E80 BOBCAT EXCAVATOR 2006 FORD E450 TV INSPECT VAN	2015	198,793	10	77,928	100%	78,238 77,928	
36	CCTV VAN TV CABLE	2010	6,189	10	4,816	100%	4,816	
37	2010 FORD F450 TV INSPECTION	2010	250,000	10	198,726	100%	198,726	
38	2012 FREIGHTLINER SEWER JET	2011	189,968	10	161,916	100%	161,916	
39	2001 DODGE RAM PICKUP	2000	14,437	7	3,406	100%	3,406	
40	2002 STEP VAN	2002	45,182	7	10,144	100%	10,144	
41	2004 CHEVROLET SILVERADO	2004	29,351	7	6,055	100%	6,055	
42	2004 GMC SEWER JET CLEANER	2004	137,828	7	28,434	100%	28,434	
43	2008 CHEVROLET C3500 1-TON	2008	42,425	7	16,594	100%	16,594	
44 45	2009 SEWER JET TRUCK 2009 FORD F350	2009 2009	164,897 43,027	7 7	81,592 22,284	100%	81,592 22,284	
46	2012 FORD F150 4X2	2003	19,965	7	16,317	100%	16,317	
47	HINKSON PERCHE SITE 15	1985	402,448	0	941,709	100%	941,709	
48	HINKSON PERCHE SIT 155	1979	43,500	0	141,751	100%	141,751	
49	LAND-UP BEAR-PERCHE-12	1979	20,517	0	66,857	100%	66,857	
50	LAND-TRUNK SEW ESMTS	1980	5,704	0	17,242	100%	17,242	
51	UPPER HINKSON - VANDIVER	2010	28,515	0	31,702	100%	31,702	
52	UPPER HINKSON - VANDIVER	2010	1,860,400	0	2,068,311	100%	2,068,311	
53	CLEAR CREEK PUMP STATION LAND	2011	19,874	0	21,442	100%	21,442	
54	NORTH GRINDSTONE PH II LAND	2013	31,006	0	31,781	100%	31,781	
55	LITTLE BONNE FEMME PUMP	1992	1,108,318	40	1,010,773 657,770	100%	1,010,773	
56 57	TRUNK SEWERS CLEAR CREEK CONSTRUCTION	1985 1985	391,582 1,575,167	99 99	2,627,971	100%	657,770 2,627,971	
58	H-27 SEWER LINE	1985	91,234	99	152,206	100%	152,206	
59	WACO ROAD SWER LINE	1985	6,063	99	10,117	100%	10,117	
60	B-16 OUTFALL & TRUNK LINE	1985	881,645	99	1,471,139	100%	1,471,139	
61	HWY 63 N-SEWER CROSSINGS	1985	224,701	99	374,939	100%	374,939	
62	ASHLEY STREET SEWERS	1985	29,820	99	49,748	100%	49,748	

APPENDIX C

SF\M/FR	SVSTFM	FIXED	ASSET	COSTS	2. C	ΔPACITIFS

	ASSET DESCRIPTION, BY FUNCTION	YEAR IN SERVICE	ORIGINAL COST	USEFUL LIFE	FY 2014 COST (RCNLD)	PERCENT INCLUDED	ASSET COSTS INCLUDED	CAPACITY (MGD)
	, , , , , , , , , , , , , , , , , , ,	02		(Years)	((
	TRANSMISSION/ PUMPING							
63	GRINDSTONE CREEK OUTFALL	1985	1,503,516	99	2,509,489	100%	2,509,489	
64	UPPER HNKSON CREEK OUTFA	1985	2,935,596	99	4,897,949	100%	4,897,949	
65	SEWER LINES	1985	99,689	99	166,314	100%	166,314	
66 67	INTERCEPTOR P6C RELIEF TRUNK SEWERS	1985 1985	223,905 85,685	99 99	362,958 139,400	100% 100%	362,958 139,400	
68	FIRE STATION 6 SEWER LINE	1985	11,956	99	19,383	100%	19,383	
69	DONATED SEWER LINES	1985	238,441	99	397,789	0%	-	
70	UPPER HINKSON OUTFALLSEC2	1986	1,715,886	99	2,813,646	100%	2,813,646	
71	CEDAR LAKE SOUTH SEWER	1986	179,951	99	296,112	100%	296,112	
72	LAKE WOODRAIL SEWER LINE	1986	52,003	99	85,274	100%	85,274	
73	RIGHT-OF-WAYS-CLEAR, MILL	1985	288,222	99	480,841	100%	480,841	
74	REHAB OF SEWER LINES	1986	222,980	99	367,360	100%	367,360	
75	DONATED SEWER LINES	1986	950,000	99	1,565,052	0%	-	
76	H-17B GRINDSTONE CREEK	1985	623,946	99	1,042,154	100%	1,042,154	
77	WOODRAIL SOUTH SEWER	1987	19,500	99	31,682	100%	31,682	
78	TRUNK SEWER H-9	1987	23,222	99	37,530	100%	37,530	
79	R-O-W FOR MISC.	1985	29,379	99	49,012	100%	49,012	
80	SEWER DISTRICT #126	1987	60,748	99	98,920	100%	98,920	
81	DONATED SEWER LINES	1987	670,851	99	1,092,380	0%	- 017 672	
82 83	INTERCEPTOR SEWER H-17A H17B SEWER	1988 1988	570,157	99 99	917,672 112,798	100% 100%	917,672	
84	HIGHLANDS INTER. SEWER	1988	70,082 11,700	99	18,852	100%	112,798 18,852	
85	INTERCEPTOR SEWER-STA. 5	1989	16,742	99	26,716	100%	26,716	
86	TRUNK SEWER B-10	1989	15,363	99	24,515	100%	24,515	
87	DONATED SEWER LINES-FY 90	1990	1,042,740	99	1,646,313	0%		
88	SEWER PRESSURE GROUTING	1990	59,635	99	94,138	100%	94,138	
89	DONATED SEWER LINES FY91	1991	1,240,260	99	1,938,320	0%	-	
90	TRUNK SEWER H-9, PHASE II	1991	27,266	99	42,689	100%	42,689	
91	SEWER LINE REHAB-1990	1991	128,136	99	200,616	100%	200,616	
92	BC JAIL SEWER EXT,B-13 II	1991	86,384	99	135,248	100%	135,248	
93	INTERCEPT SEW H-8-2B/B-10	1991	68,773	99	107,673	100%	107,673	
94	TRUNK SEWER B-4	1991	187,433	99	293,455	100%	293,455	
95	SEWER DISTRICT #127	1991	14,771	99	23,128	100%	23,128	
96	B-6 TRUNK SEWER	1991	44,365	99	69,461	100%	69,461	
97	SEWER DIST#132 CRSTLD/ROL	1991	28,770	99	45,044	100%	45,044	
98	MORRIS INTERCEPTOR SEWER	1991	20,716	99	32,433	100%	32,433	
99	SEWER DIST #134 SEWER DIST #135	1992	28,904	99	44,466	100%	44,466	
100 101	DONATED SEWER LINES-FY92	1992 1992	6,477 2,035,290	99 99	9,964 3,131,014	100% 0%	9,964	
101	DONATED SEWER LINES-FY93	1993	1,035,150	99	1,543,304	0%	_	
102	TRUNK SEWER H-15	1993	16,486	99	24,577	100%	24,577	
104	ASHBY WEST SEWERS	1993	29,715	99	44,303	100%	44,303	
105	SEWER REHAB H-15	1993	37,570	99	56,033	100%	56,033	
	H-21/EP-2 SEWER PROJECTS	1993	810,939	99	1,209,103	100%	1,209,103	
107	DONATED SEWER LINESFY94	1994	3,455,092	99	5,025,746	0%	-	
108	SEWER DISTRICT #131	1993	30,941	99	46,180	100%	46,180	
109	FY95 DONATED SEWER LINES	1995	1,318,440	99	1,919,527	0%	-	
110	SEW DIST #130-ST CHAS RD	1995	107,763	99	156,892	100%	156,892	
111	GEORGETOWN STN INTERCEPTO	1996	62,895	99	90,157	100%	90,157	
112		1996	2,483,699	99	3,563,851	0%	-	
	N HAMPTON VILL SEW EXTENS	1996	100,071	99	143,592	100%	143,592	
114		1996	109,060	99	156,490	100%	156,490	
115	FY95 SEWER MAIN REHAB	1996	48,060	99	68,962	100%	68,962	
116	SEWER DISTRICT 143 SEWER DISTRICT #147	1996	71,219	99	102,204 33,036	100%	102,204	
117 118	SEWER DISTRICT #147 SEWER DIST #140 WORLEY ST	1996 1996	23,022 16,426	99 99	23,572	100%	33,036 23,572	
119	RT 763 SEWER MODIFICATION	1997	7,135	99	9,931	100%	9,931	
120	RT TT SEWER RELOCATION	1997	12,658	99	17,610	100%	17,610	
121	DONATED SEWER LINES-FY89	1989	1,006,830	99	1,608,355	0%	-	
122	FY97 DONATED SEWER LINES	1997	1,055,718	99	1,479,195	0%	-	
123	LITTLE BONNE FEMME FORCE	1997	80,786	99	113,192	100%	113,192	
124		1998	579,876	99	809,262	0%	-	

APPENDIX C

SF\M/FR	SVSTFM	FIXED	ASSET	COSTS	2. C	ΔPACITIFS

	ASSET DESCRIPTION, BY FUNCTION	YEAR IN SERVICE	ORIGINAL COST	USEFUL LIFE	FY 2014 COST (RCNLD)	PERCENT INCLUDED	ASSET COSTS INCLUDED	CAPACITY (MGD)
-	· · · · · · · · · · · · · · · · · · ·			(Years)				
	TRANSMISSION/ PUMPING							
125	FY99 DONATED SEWER LINES	1999	1,368,119	99	1,887,831	0%	-	
126	H-8-2A ON OAKLAWN DRIVE	1988	24,554	99	39,519	100%	39,519	
127	SEWER DISTRICT #128	1988	34,925	99	55,701	100%	55,701	
128	MIDAS MUFFLER SEWER	1988	18,955	99	30,231	100%	30,231	
129 130	SEWER DISTRICT #129 DONATED SEWER LINES	1988 1988	9,683 941,400	99 99	15,586 1,515,191	100%	15,586	
131	BROADWAY & MCBAINE SEWER	1988	33,199	99	53,373	100%	53,373	
132	DONATED SEWER LINES	1984	198,100	99	328,479	0%	-	
133	SEWER LINES-DIST P	1979	493,928	99	1,051,657	100%	1,051,657	
134	DIST 114-LINES-P & F	1980	45,690	99	91,501	100%	91,501	
135	SEWER LINES-FR SUBDIVIDER	1980	188,816	99	378,612	100%	378,612	
136	INTERCEPTOR SEWERS H-6-A,	1986	159,693	99	262,775	100%	262,775	
137	SEWER LINES	1920	179,040	99	407,285	100%	407,285	
138	SEWER LINES	1930	40,724	99	291,751	100%	291,751	
139	SEWER LINES	1933	87,201	99	956,909	100%	956,909	
140	SEWER LINES	1940	181,019	99	1,879,499	100%	1,879,499	
141	SEWER LINES	1950	55,843	99	379,955	100%	379,955	
142	SEWER LINES	1953	70,542	99	449,792	100%	449,792	
143	SEWER LINES	1956	570,409	99	3,376,905	100%	3,376,905	
144	SEWER LINES	1960	238,163	99	1,271,639	100%	1,271,639	
145	SEWER LINES SEWER LINES	1963	82,726	99 99	430,734	100%	430,734	
146 147	SEWER LINES SEWER LINES	1964 1969	408,467 158,130	99	2,112,794 633,759	100%	2,112,794 633,759	
147	SEWER LINES	1909	905,630	99	3,596,001	100%	3,596,001	
149	SEWER LINES	1972	305,665	99	973,278	100%	973,278	
150	SEWER LINES	1973	229,246	99	697,353	100%	697,353	
151	SEWER LINES	1974	11,049	99	30,913	100%	30,913	
152	SEWER LINES	1975	539,179	99	1,452,938	100%	1,452,938	
153	SEWER LINES	1976	102,738	99	259,637	100%	259,637	
154	SEWER LINES	1977	3,113,909	99	7,440,548	100%	7,440,548	
155	SEWER LINES	1969	216,000	99	913,846	100%	913,846	
156	SEWER LINES	1970	138,400	99	547,714	100%	547,714	
157	SEWER LINES	1971	66,600	99	234,285	100%	234,285	
158	SEWER LINES	1972	99,000	99	319,869	100%	319,869	
159	SEWER LINES	1973	320,000	99	972,962	100%	972,962	
160	SEWER LINES	1974	748,000	99	2,170,502	100%	2,170,502	
161	SEWER LINES	1975	257,400	99	693,463 584,138	100%	693,463	
162 163	SEWER LINES SEWER LINES	1976 1977	231,540 420,264	99 99	1,003,970	100% 100%	584,138 1,003,970	
164	UPPER HINKSON SEWER LINE	1978	410,364	99	920,549	100%	920,549	
165	SEWER LINES	1977	220,265	99	529,651	100%	529,651	
166	SEWER LINES	1978	156,559	99	350,739	100%	350,739	
167	SEWER LINES	1978	294,060	99	666,628	100%	666,628	
	SEWER LINES DONATED	1979	398,265	99	846,628	0%	-	
169	SEWER LINES DONATED	1981	879,725	99	1,637,866	0%	-	
170	SEWER DISTRICT 113	1981	171,253	99	318,840	100%	318,840	
171	SEWER DISTRICT 115	1981	78,979	99	147,045	100%	147,045	
172	POWELL TRAILER VILLAGE	1982	37,803	99	66,024	100%	66,024	
173	SEWER GROUTING	1982	34,141	99	59,625	100%	59,625	
	SEWER LINES DONATED	1983	38,770	99	64,641	0%	-	
	SEWER LINES DONATED	1982	360,220	99	629,116	0%	-	
	FY01 DONATED SEWER LINES	2001	1,660,780	99	2,244,006	0%	1 010 013	
177		2001	1,340,335	99	1,810,913	100%	1,810,913	
178 179	COW BRANCH OUTFALL C-6 INTERCEPTOR	2001 2001	2,071,509 218,676	99 99	2,801,771 295,469	100% 100%	2,801,771 295,469	
180	RT AC SEWER RELOCATION	2001	141,370	99	191,015	100%	191,015	
181	and the second s	2001	79,795	99	107,915	100%	107,915	
	DONATED SEWER LINES FY02	2002	1,423,950	99	1,885,502	0%	-	
183		2002	1,071,880	99	1,419,312	100%	1,419,312	
184		2002	129,841	99	171,980	100%	171,980	
185	SEWER DIST #152 SPRING VALLEY	2002	30,477	99	40,356	100%	40,356	
186	FY02 SEWER REHAB	2002	485,715	99	643,125	100%	643,125	

APPENDIX C

CE/V/ED	CVCTEM	EIVED	ACCET	COSTS	Ω.	CAPACITIE	C

	ASSET DESCRIPTION, BY FUNCTION	YEAR IN SERVICE	ORIGINAL COST	USEFUL LIFE	FY 2014 COST (RCNLD)	PERCENT INCLUDED	ASSET COSTS INCLUDED	CAPACITY (MGD)
				(Years)				
407	TRANSMISSION/ PUMPING	2002	2 504 250	00	2 240 726	00/		
187 188	FY03 DONATED SEWER LINES LEISURE HILLS SUBDIVISION	2003 2003	2,561,259 7,700	99 99	3,349,736 10,071	100%	10,071	
189	SEWER DISTRICT #144	2003	81,595	99	106,715	100%	106,715	
190	DONATED SEWER LINES FY04	2004	1,674,339	99	2,083,777	0%	100,715	
191	GRINDSTONE CREEK/LOW SEWER	2004	3,327,450	99	4,141,141	100%	4,141,141	
192	SEWER DIST #156 EDGEWOOD/WEST	2004	108,851	99	135,558	100%	135,558	
193	EVERGREEN ACRES	2004	257,511	99	320,482	100%	320,482	
194	FACILITY PLAN UPDATE	2004	500,000	99	622,268	100%	622,268	
195	SEWER DIST #157 ROLLINS	2004	43,051	99	53,584	100%	53,584	
196	MC-6 CASCADES SEWER	2004	168,645	99	209,885	100%	209,885	
197	DONATED SEWER LINES FY05	2005	5,160,360	99	6,205,290	0%	-	
198	UPPER HINKSON OUTFALL RELIEF	2005	2,628,737	99	3,161,025	100%	3,161,025	
199	SEWER DIST #141 GREEN VALLEY	2005	24,223	99	29,132	100%	29,132	
200	SETTLER'S RIDGE B-20	2005	212,299	99	255,287	100%	255,287	
201	WALNUT BROOK INTERCEPTOR	2005	114,273	99	137,412	100%	137,412	
202	FY04 SEWER MAIN REHAB	2005	517,596	99	622,403	100%	622,403	
203	AT&T SEWER EXTENSION	2005	23,617	99	28,400	100%	28,400	
204	DONATED SEWER LINES FY06 FY06 SEWER MAIN REHAB	2006 2006	7,088,265	99	8,280,686	0%	1 150 443	
205 206	SEWER DISTRICT #158	2006	984,778 60,515	99 99	1,150,442 70,694	100%	1,150,442 70,694	
200	S CAMPUS RELIEF SEWER PH I	2006	184,710	99	215,776	100%	215,776	
208	CONCORDE OFFICE & IND PLAZA	2006	35,192	99	41,113	100%	41,113	
209	S GRINDSTONE OUTFALL PH 2/3	2006	1,306,945	99	1,526,806	100%	1,526,806	
210	LIMERIK LAKE LOT 113A	2006	30,124	99	35,191	100%	35,191	
211	EP-1 TRUNK - OPAL SMITH	2006	214,584	99	250,682	100%	250,682	
212	COW BRANCH JJC PUMP STATION	2006	58,253	99	68,053	100%	68,053	
213	DONATED SEWER LINES FY07	2007	3,567,894	99	4,098,317	0%	-	
214	H-21 ENLARGEMENT	2007	824,093	99	946,607	100%	946,607	
215	SEWER DISTRICT #150	2007	196,760	99	226,012	100%	226,012	
216	CON AGG EP-3 TRUNK SEWER	2007	454,950	99	522,586	100%	522,586	
217	H-17S S FORK GRINDSTONE	2007	1,167,474	99	1,341,010	100%	1,341,010	
218	SEWER DISTRICT #149	2007	111,178	99	127,706	100%	127,706	
219	C-3 BRISTOL LAKE TRUNK SW	2007	135,118	99	155,205	100%	155,205	
220	C-3 UMC S FARM TRUNK	2007	303,049	99	348,102	100%	348,102	
221	DONATED SEWER LINES FY08	2008	1,329,357	99	1,479,771	0%	-	
222	FY08 SEWER MAIN REHAB	2008	785,966	99	874,897	100%	874,897	
223	SEWER DISTRICT #154	2008	724,383	99	807,195	100%	807,195	
224	S CAMPUS RELIEF SEWER PH II BEAR CREEK OUTFALL EXTENSION	2008	312,397	99	347,744	100%	347,744	
225 226	WTU#2 BERM REPAIR	2008 2008	720,382 238,180	99 99	802,215 265,130	100% 100%	802,215 265,130	
227	H-13A TRUNK - MU HOSPITAL	2008	632,563	99	704,044	100%	704,044	
228	DONATED SEWER LINES FY09	2009	1,149,969	99	1,254,514	0%	-	
229	FY09 SEWER MAIN REHAB	2009	1,442,451	99	1,573,587	100%	1,573,587	
230	SOUTHWEST OUTFALL RELIEF	2009	1,044,130	99	1,139,053	100%	1,139,053	
231		2009	141,924	99	155,119	100%	155,119	
232	H-21-B INTERCEPTOR	2009	163,741	99	178,627	100%	178,627	
233	RT 763 SEWER RELOCATION	2009	116,518	99	128,198	100%	128,198	
234	FIRE STN #7	2009	35,993	99	39,265	100%	39,265	
235	DONATED SEWER LINES FY10	2010	149,952	99	160,957	0%	-	
236	FY10 SEWER MAIN REHAB	2010	300,481	99	322,532	100%	322,532	
237	SEWER DISTRICT #159	2010	65,478	99	70,284	100%	70,284	
	SEWER DISTRICT #148	2010	339,144	99	364,033	100%	364,033	
	SEWER DISTRICT #162	2010	55,896	99	60,000	100%	60,000	
	HUNT AVE	2010	177,788	99	190,907	100%	190,907	
	BRANDON RD	2010	73,786	99	79,201	100%	79,201	
	FIRE STATION 9	2010	26,692	99	28,651	100%	28,651	
243		2011	362,328	99 99	381,375 130,980	0% 100%	120.000	
244 245		2011 2011	124,439 99,314	99 99	104,534	100% 100%	130,980 104,534	
245		2011	52,823	99	55,600	100%	55,600	
247	SEWER DIST 164	2011	116,868	99	123,012	100%	123,012	
	SEWER DIST 163 BALLENGER/AZTEC	2011	77,270	99	81,350	100%	81,350	
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APPENDIX C

	ER SYSTEM FIXED ASSET COSTS & CAPACITI	ES						Schedul
	ASSET DESCRIPTION, BY FUNCTION	YEAR IN SERVICE	ORIGINAL COST	USEFUL LIFE (Years)	FY 2014 COST (RCNLD)	PERCENT INCLUDED	ASSET COSTS INCLUDED	CAPAC (MG
7	TRANSMISSION/ PUMPING			(Tears)				
_	SEWER DIST 166 THOMPSON/WYATT	2011	53,686	99	56,508	100%	56,508	
50	PARKING GARAGE 6TH & WALNUT	2011	21,000	99	22,104	100%	22,104	
51	PCCE #9 WESTWOOD	2011	113,588	99	119,559	100%	119,559	
2	RANGELINE SEWER	2011	65,246	99	68,676	100%	68,676	
3	DONATED SEWER LINES FY12	2012	450,585	99	466,930	0%	-	
4	FY12 SEWER MAIN REHAB	2012	310,448	99	321,710	100%	321,710	
5	PCCE #7 EDGEWOOD/WESTWOOD	2012	129,617	99	134,319	100%	134,319	
6	SEWER DIST 165 MAPLE BLUFF	2012	643,010	99	667,121	100%	667,121	
7	SEWER DIST 167 TIMBERHILL RD	2012	384,408	99	398,352	100%	398,352	
8	N GRINDSTONE OUTFALL PH I	2012	304,293	99	315,331	100%	315,331	
9	PCCE #13 HUNT COURT	2012	31,481	99	32,623	100%	32,623	
0	HINKSON CREEK OUTFALL REPL	2012	532,607	99	552,983	100%	552,983	
1	DONATED SEWER LINES FY13	2013	2,732,961 797,793	99 99	2,789,495	100%	914 206	
i2 i3	HINKSON SIPHON ELIMINATION PCCE #3 STEWART/RIDGE/MED	2013	215,688	99	814,296	100%	814,296	
	NORTH GRINDSTONE PH II	2013 2013		99	220,150 1,412,692	100%	220,150 1,412,692	
4 5	FY12 SEWER MAIN REHAB	2013	1,384,061 2,087,923	99	2,131,114	100%	2,131,114	
<i>5</i>	INFILTRATION/OUTFLOW ANAL	1985	186,244	40	126,206	100%	126,206	
7	SEWER LINES CAPEN PARK	1983	29,052	40	21,380	100%	21,380	
8	HINKSON CREEK BANK REPAIRS	2000	57,392	40	59,648	100%	59,648	
9	STREAMBANK REPAIR WTU #3	2001	1,494,814	40	1,592,526	100%	1,592,526	
0	CAPACITY ANALYSIS & SYST MAP	2005	300,000	40	311,306	100%	311,306	
1	HINKSON CREEK STREAMBANK	2011	129,048	40	130,818	100%	130,818	
2	CLEAR CREEK PUMP STN PH I	2011	4,030,147	40	4,085,737	100%	4,085,737	
3	CASCADES PUMP STATION	2011	407,651	40	413,232	100%	413,232	
1	GANS CREEK PUMP STATION	2011	464,526	40	470,900	100%	470,900	
5	SUGAR TREE HILLS INTERCEPTOR	2012	172,129	40	174,553	100%	174,553	
5	BEAR CREEK BANK STABILIZATION	2012	154,117	40	156,288	100%	156,288	
7	WOODRAIL PUMP STATION REPL	2012	28,412	40	28,812	100%	28,812	
3	VALLEY VIEW PUMP STATION	2013	239,021	40	242,444	100%	242,444	
Э	LOWER PERCHE OUTFALL	1983	130,522	99	217,877	100%	217,877	
0	LOWER HINKSON OUTFALL	1983	6,991,783	99	11,671,378	100%	11,671,378	
1	LOWER PERCHE OUTFALL	1983	6,100,043	99	10,182,794	100%	10,182,794	
2	UPPER HINKSON RELIEF	1983	186,773	99	311,778	100%	311,778	
3	MILL CREEK SEWER SEC. I	1983	85,604	99	142,897	100%	142,897	
4	MILL CREEK SEWER SEC. II	1983	85,604	99	142,897	100%	142,897	
5	MILL CREEK SEWER-SEC 2	1983	1,072,275	99	1,789,947	100%	1,789,947	
ŝ	MILL CREEK SEWER-SEC I	1983	720,476	99	1,202,690	100%	1,202,690	
7	UPPER BEAR-PERCHE OUTFALL	1983	163,740	99	273,330	100%	273,330	
8	UPPER BEAR-PERCHE OUTFALL	1983	5,925,654	99	9,943,847	100%	9,943,847	
	CAPACITY ANAL MILL CREEK	2001	59,418	40	63,301	100%	63,301	25.6
	TOTAL TRANSMISSION/ PUMPING COSTS &	CAPACITIES	\$ 152,147,499		\$ 225,234,730		\$ 153,317,692	25.2
1	TREATMENT/ DISPOSAL							
	15KW ENGINE/GENERATOR	1995	\$ 13,707	10	\$ 2,452	100%	\$ 2,452	
	CENTRIFUGAL PUMP & TRAILE	1996	14,447	10	2,514	100%	2,514	
	SLUDGE LEVEL MONITORING SYSTEM	2003	5,536	10	809	100%	809	
	FLOREA PROPERTY	2002	186,179	0	278,661	100%	278,661	
	RHINO BOOM MOWER	2004	13,400	10	1,981	100%	1,981	
	PORTABLE ENGINE DRIVEN 6" PUMP	2006	29,677	10	11,056	100%	11,056	
	RPL WETLAND SAMPLER	2008	5,148	10	2,743	100%	2,743	
	2008 JOHN DEERE 4X6 GATOR	2009	16,423	10	10,876	100%	10,876	
	2010 CATERPILLER FORKLIFT	2010	49,285	10	37,123	100%	37,123	
	WETLAND STATIONARY SAMPLER	2012	5,718	10	4,884	100%	4,884	
	2000 1 TON FWD CHEV PICKUP	2000	41,158	7	21,948	100%	21,948	
	2008 CHEVROLET DUMP TRUCK	2008	38,830	10	22,748	100%	22,748	
	1988 6000 GAL TANKER TRAILER	1988 1988	35,664 35,664	10 10	7,579 7,579	100%	7,579 7,579	
	1988 6000 GAL. TANKER TRAILER	1988	35,664 15,194	10 10	7,579 2,717	100%	7,579 2 717	
	SLUDGE PLIMPING DREDGE	1995	15,194 115,064	10 10	2,717	100%	2,717	
	SLUDGE PUMPING DREDGE WESTERDORF FRONT END LOADER	2001	115,064 5,239	10	809	100%	809	
	WLSTENDONF FROM LEND LUADER	2001	5,239	10	009	100%	809	

APPENDIX C

SF\M/FR	SVSTFM	FIXED	ASSET	COSTS	2.	CAPACITIFS

	ASSET DESCRIPTION, BY FUNCTION	YEAR IN SERVICE	ORIGINAL COST	USEFUL LIFE	FY 2014 COST (RCNLD)	PERCENT INCLUDED	ASSET COSTS INCLUDED	CAPACITY (MGD)
				(Years)				
40	TRANSMISSION/ PUMPING	2002	47.270	10	7.076	1000/	7.076	
19 20	NEW HOLLAND M125 TRACTOR GRASSHOPPER FRONTMOUNT MOWER	2002 2003	47,279 9,270	10 10	7,076 1,355	100%	7,076 1,355	
21	2004 SCAG MIDMOUNT ROT. MOWER	2003	7,740	10	1,544	100%	1,533	
22	LAND PRIDE ROTARY CUTTER	2004	6,865	10	1,581	100%	1,581	
23	2005 NEW HOLLAND TRACTOR	2005	55,698	10	17,202	100%	17,202	
24	SLUDGE INJECTION FACILITY	1997	110,055	99	154,201	100%	154,201	
25	HYDRAULIC TRASH PUMP ON TRAILE	2006	23,338	10	10,463	100%	10,463	
26	JOHN DEERE 5525 TRACTOR/LOADER	2008	41,280	10	23,090	100%	23,090	
27	8'ICEBREAKER HOPPER SPREADER	2008	5,411	10	3,409	100%	3,409	
28	MONITORING WELLS	2012	24,883	10	22,824	100%	22,824	
29	1995 34' ALUM PUSHER TRAILER	2012	33,544	10	30,743	100%	30,743	
30	1995 34' ALUM PUSHER TRAILER	2012	33,456	10	30,663	100%	30,663	
31	MANURE SPREADER	2012	34,200	10	31,640	100%	31,640	
32 33	3 POINT DISK SLUDGE EJECTOR TRAILER	2012 2013	8,250 59,900	10 10	7,698 57,714	100% 100%	7,698 57,714	
34	JOHN DEERE 6140M CAB TRACTOR	2013	89,377	10	88,176	100%	88,176	
35	2000 CASE 721C WHEEL LOADER	2000	123,138	10	19,370	100%	19,370	
36	TRINER TRUCK SCALE	2013		10		100%	-	
37	1999 6000 GAL TANKER TRAILER	1999	34,588	10	5,586	100%	5,586	
38	2004 HOLDEN TRAILER	2005	9,964	10	2,390	100%	2,390	
39	2006 FREIGHTLINER	2005	75,120	10	23,200	100%	23,200	
40	2007 FREIGHTLINER	2006	84,292	10	35,393	100%	35,393	
41	2004 FREIGHTLINER	2003	73,885	10	10,799	100%	10,799	
42	2004 FORD EXPLORER	2004	20,764	7	4,284	100%	4,284	
43	2009 DODGE RAM 2500	2009	18,911	7	9,139	100%	9,139	
44	SLUDGE INJECTION LAND	1996	411,942	0	717,282	100%	717,282	
45	WASTEWATER ALT. SLUDY	1991	217,924	40	193,882	100%	193,882	
46	PUMP PCP-1	1983	5,596	10	-	100%	-	
47	PUMP PCP-2	1983	5,599 5,000	10 10	2 009	100%	2 000	
48 49	MFMT-1 CENTRIFUGE	1983 1983	5,000 255,494	10	2,908	100%	2,908	
50	OVERHEAD CRANE - 5-TON	1983	10,964	10	6,378	100%	6,378	
51	CENTRIFUGE	1983	253,735	10	-	100%	-	
52	METHANE BOILER	1983	30,000	10	-	100%	-	
53	AIR COMPRESSOR	1983	9,327	10	-	100%	-	
54	DIESEL BOILER	1983	30,000	10	-	100%	-	
55	HEAT EXCHANGER	1983	10,965	10	-	100%	-	
56	HEAT EXCHANGER	1983	10,964	10	-	100%	-	
57	SECONDARY HEAT-EXCHANGER2	1983	8,464	10	-	100%	-	
58	ELECTRIC MOTOR 2	1983	13,862	10	-	100%	-	
59	PUMP SIP-2	1983	6,931	10	-	100%	-	
60	OVERHEAD 10 TON CRANE	1983 2002	16,692	10 10	9,708	100%	9,708	
61	JD 6 X 4 GATOR 1988 TERRAGATOR	1988	14,183 145,962	10	2,123 31,616	100%	2,123 31,616	
62 63	2005 CHEVROLET SILVERADO	2005	16,556	7	3,263	100%	3,263	
64	2008 CHEV SILVERADO	2008	17,560	7	5,822	100%	5,822	
65	2011 CHEVROLET SILVERADO 1500	2011	20,996	7	14,171	100%	14,171	
66	LAND-SEWER PLANT	1983	555,850	0	1,337,769	100%	1,337,769	
67	ADMIN. BLDGSEWER PLANT	1983	668,029	40	434,041	100%	434,041	
68	PUMP STATION-SEWER PLNT	1983	4,826,268	40	3,136,763	100%	3,136,763	
69	PRIMARY CLARIFIER-SEW PLT	1983	1,308,974	40	857,677	100%	857,677	
70	FINAL CLARIFIER-SEW PLANT	1983	1,931,391	40	1,262,324	100%	1,262,324	
71	DIGESTER-SEWER PLANT	1983	4,494,455	40	2,921,162	100%	2,921,162	
72	THICKENER-SEWER PLANT	1983	352,702	40	229,064	100%	229,064	
73	SLUDGE TANK & LAGOON-PLT	1983	967,791	40	636,037	100%	636,037	
74	INFILTRATION COMPLEX-PLT	1983	556,556	40	361,322	100%	361,322	
75	GARAGE-SEWER PLANT	1983	430,643	40	279,294	100%	279,294	
76	ENGINEERING-SEWER PLANT SEWER PLANT-MISC. COSTS	1983	672,967 22,071	40 40	433,699 20,669	100% 100%	433,699	
77 78	SEWER PLANT-IVIISC. COSTS SEWER PLANT-ENGINEERING	1983 1983	32,071 799,438	40 99	1,334,498	100%	20,669 1,334,498	
76 79	HINKSON-PERCHE SEWER PLNT	1983	34,770	99	58,039	100%	58,039	
80	ARCHAELOGICAL SERVICES	1983	330,651	99	552,058	100%	552,058	
			,		. ,		,	

APPENDIX C

CEIM/ED	CVCTEM	EIVED	ACCET	COSTS	Ω.	CAPACITIES

	ACCEPT DECORPORTION DV FUNCTION	YEAR IN	ORIGINAL	USEFUL	FY 2014 COST		ASSET COSTS	CAPACITY
-	ASSET DESCRIPTION, BY FUNCTION	SERVICE	COST	(Veers)	(RCNLD)	INCLUDED	INCLUDED	(MGD)
81	MCC4	1983	7,800	(Years) 40	4,537	100%	4 527	
82	MCC4	1983	7,800	40	4,537	100%	4,537 4,537	
83	MCC4	1983	7,800	40	4,537	100%	4,537	
84	MCC5	1983	7,083	40	4,119	100%	4,119	
85	MCC5	1983	7,083	40	4,119	100%	4,119	
86	MCC5	1983	7,083	40	4,119	100%	4,119	
87	MCC5	1983	7,083	40	4,119	100%	4,119	
88	MCC5	1983	7,083	40	4,119	100%	4,119	
89	MCC5	1983	7,083	40	4,119	100%	4,119	
90	MFMF-1-FLOW METER	1983	5,000	40	2,908	100%	2,908	
91	MFMF-2-SLUDGE METER	1983	5,000	40	2,908	100%	2,908	
92	MCC8	1983	7,800	40	4,537	100%	4,537	
93	MCC-3	1983	7,010	40	4,077	100%	4,077	
94	MCC-3	1983	7,010	40	4,077	100%	4,077	
95	MCC-3	1983	7,010	40	4,077	100%	4,077	
96	MCC-3	1983	7,010	40	4,077	100%	4,077	
97	MCC-3	1983	7,010	40	4,077	100%	4,077	
98	MCC-3	1983	7,010	40	4,077	100%	4,077	
99	MCC-3	1983	7,010	40	4,077	100%	4,077	
100	MCC-3	1983	7,010	40	4,077	100%	4,077	
101	MCC-3	1983	7,010	40	4,077	100%	4,077	
102	MCC-3	1983	7,010	40	4,077	100%	4,077	
103	ROADWAYS-SEWER PLANT	1983	736,380	40	-	100%	-	
104	TREATMENT PLANT-ENG.SERV.	1986	62,857	40	44,158	100%	44,158	
105	WETLANDS	1995	22,379,018	40	21,590,181	100%	21,590,181	
106	WETLANDS 93 FLOOD REPAIR	1995	888,633	40	857,647	100%	857,647	
107	FLOOD INTAKE WTU #3	1999	186,968	40	193,164	100%	193,164	
108	WETLANDS UNIT NO. 4	2001	3,988,141	40	4,251,549	100%	4,251,549	
109	WASTE WATER TRMT PLANT EXPANS	2013	66,974,661	40	67,933,934	100%	67,933,934	
110	IBM PC MICROCOMPUTER	1986	7,348	10	-	100%	-	
111	FLAME AUTOSAMPLER	1991	6,850	10	1,417	100%	1,417	
112	FURNANCE AUTOSAMPLER	1990	10,250	10	2,120	100%	2,120	
113	LABCONCO FUME HOOD/BLOWER	1994	9,363	10	353	100%	353	
114	MICRO KJELDAHL BLOCK DIGESTION	2003	10,576	10	1,546	100%	1,546	
115	ION CHROMATOGRAPH	2003	39,251	10	5,737	100%	5,737	
116	SPECTROPHOMETER	2005	74,156	10	22,172	100%	22,172	
117	MOISTURE ANALYZER	2010	5,049	10	3,803	100%	3,803	
118	MANUAL DISTALLATION UNIT	2011	8,075	10	6,425	100%	6,425	
119	WATER PURIFICATION SYSTEM	2011	5,775	10	5,016	100%	5,016	
120	AAA BARE PUMP	1991	5,392	10	1,012	100%	1,012	
121	AAA BARE PUMP	1991	5,392	10	1,012	100%	1,012	
122	2013 FORD F350 4X4	2013	40,916	10	39,737	100%	39,737	
123	JWC MODEL 30001-08-4	1991	11,331	10	2,293	100%	2,293	
124	JWC MODEL 30001-08-4	1991	15,498	10	2,293	100%	2,293	
	IN-LINE GRINDER	1993	11,703	10	2,198	100%	2,198	
	IN-LINE GRINDER	1993	11,703	10	2,198	100%	2,198	
127	INLINE GRINDER	1994	11,698	10	2,117	100%	2,117	
128	INLINE GRINDER	1994	11,698	10	2,117	100%	2,117	
129		1995	18,857	10	3,373	100%	3,373	
130	ELECTRIC MOTOR CONTROLLER	1995	11,998	10	2,146 17,667		2,146	
	LIQ WASTE RECEIVING STN	1997	105,180	10		100%	17,667	
132	FAIRBANKS MORSE PUMP MLK DIGESTER REMOVAL	1999 2005	6,739 34,991	10 99	1,088 42,077	100%	1,088 42,077	
	FLYGT SLUDGE INJECTION MIXER				42,077 891	100%	42,077 891	
134 135	SULLIVAN DIESEL AIR COMPRESSOR	2000 2000	5,664 12,132	10 10	1,908	100%	1,908	
136	FLYGT MODEL 4670 MIXER & GUIDE	2000	18,955	10	2,982	100%	2,982	
137	MODULAR FIBERGLASS BUILDING	2000	6,363	10	983	100%	983	
138	VEEDER-ROOT FUEL MGMT SYSTEM	2001	6,139	10	919	100%	919	
139	SLUDGE INJECTION BASIN MIXER	2002	24,989	10	3,740	100%	3,740	
140	FINAL EFFLUANT SAMPLER	2002	5,011	10	732	100%	732	
141	PUMP FOR CLEAR CREEK	2003	59,500	10	8,697	100%	8,697	
	SUBERSIBLE PUMP	2007	12,435	10	5,881	100%	5,881	
			, .55		3,331		2,002	

APPENDIX C

CELLIER	CMCTERA	FIVED	ACCET	COCTO		A CUTIEC
SEVVER	SYSTEM	FIXED	ASSET	CUSIS	& LAP	ACHIES

-	ASSET DESCRIPTION, BY FUNCTION	YEAR IN SERVICE	ORIGINAL COST	USEFUL LIFE	FY 2014 COST (RCNLD)	PERCENT INCLUDED	ASSET COSTS INCLUDED	CAPACITY (MGD)
				(Years)			1	
143	SLUDGE GRINDER MUFFIN MONSTER	2007	15,776	10	7,606	100%	7,606	
144	MOYNO 2000 CC SLUDGE PUMP	2007	15,338	10	7,677	100%	7,677	
145	4" SUBMERSIBLE PUMP JWC MUFFIN MONSTER	2008 2008	13,371 15,776	10 10	6,167 9,521	100% 100%	6,167 9,521	
146 147	FAIRBANKS 4" MORSE PUMP	2009	15,770	10	10,047	100%	10,047	
148	SUBMERSIBLE 7.5 HP PUMPS	2009	6,221	10	3,670	100%	3,670	
149	SUBMERSIBLE 7.5 HP PUMPS	2009	6,221	10	3,670	100%	3,670	
150	PROGRESSIVE CAVITY PUMP	2009	15,338	10	10,027	100%	10,027	
151	FAIRBANKS MORSE 4" PUMP	2009	6,821	10	4,517	100%	4,517	
152	FAIRBANKS MORSE 4" PUMP	2010	17,180	10	12,080	100%	12,080	
153	150 HP VERTICAL PUMP MOTOR	2010	16,621	10	11,688	100%	11,688	
154	SELF PRIMING CENTRIFUGAL PUMP	2011	40,737	10	34,722	100%	34,722	
155	BASIN WEIRS AND SCUM BAFFLES	2012	10,200	10	9,035	100%	9,035	
156	RAW WASTEWATER PUMP CHECK VALV	2013	54,180	10	52,619	100%	52,619	
157	2013 SKYJACK SCISSOR LIFT	2013	-	10	-	100%	-	
158	1992 INTERNATIONAL BOOM TRUCK	2005	80,000	10	21,553	100%	21,553	
159	2002 GMC SEWER JET	2002	126,223	7	28,338	100%	28,338	
160	2007 CHEV SILVERADO 4WD	2007	17,834	7	3,507	100%	3,507	
161	2008 FORD F250 4X4 REGULAR CAB	2007	18,654	7	3,900	100%	3,900	
162	2009 FORD F350	2009	38,362	7	19,868	100%	19,868	
163	2011 CHEV SILVERADO 3/4 TON	2011	25,000	7	17,420	100%	17,420	
164 165	POLE BARN_STORAGE FACIL. DIGESTOR COVER	1989 1991	38,506	40 40	21,307 190,910	100% 100%	21,307	
166	FUEL STORAGE TANKS	1991	261,642 28,167	40	13,684	100%	190,910 13,684	
167	ROOF PRIM SLUDGE PUMP STN #1	2013	28,107	40	13,084	100%	13,084	
168	ROOF FINAL SLUDGE PUMP STN #1	2013	_	40	_	100%	_	
169	ROOF GRAVITY THICKENER BLDG	2014	_	40	_	100%	_	
170	ROOF SLUDGE INJECT PUMP BLDG	2014	_	40	_	100%	_	
171	SLUDGE DISPOSAL FACILITIE	1983	787,895	40	503,839	100%	503,839	
172	SLUDGE TESTING	1985	244,119	40	180,064	100%	180,064	
173	SLUDGE MANAGEMENT	1986	47,800	40	35,589	100%	35,589	
174	SLUDGE MANAGEMENT	1987	128,000	40	100,821	100%	100,821	
175	NEW ROOF FOR DIGESTOR	1993	31,995	40	26,931	100%	26,931	
176	STRUCTURES & IMPROVEMENTS	1998	568,301	40	577,335	100%	577,335	
177	FLOOD RELIEF STRUCTURES	1998	23,800	40	24,179	100%	24,179	
178	CARRIER 20 TON CONDENSING UNIT	2006	14,995	40	15,307	100%	15,307	
179	2 GARAGE DOORS & OPENERS WWTP	2014	-	40	-	100%	<u> </u>	
	TOTAL TREATMENT/ DISPOSAL COSTS & CAP	ACITIES	\$ 119,893,099		\$ 112,985,216		\$ 112,985,216	25.200
1	ADMIN 2012 JEEP PATRIOT	2012	\$ 18,144	5	\$ 12,590	100%	\$ 12,590	
2	WASTEWATER FAC PLAN AMEND #6	1998	11,800	10	ş 12,590 -	100%	\$ 12,590	
3	2002 CHEVROLET PICK-UP	2002	17,485	7	3,926	100%	3,926	
4	2008 CHEVROLET FICK-OF	2002	19,675	7	6,523	100%	6,523	
5	2001 CHEV PICKUP	2001	17,409	7	4,034	100%	4,034	
6	2009 CHEVROLET SILVERADO 1500	2009	17,186	7	8,901	100%	8,901	
7	2008 CHEVROLET SILVERADO 1500	2008	19,675	7	6,523	100%	6,523	
8	2011 FORD ESCAPE HYBRID 4 X 4	2011	28,604	7	20,868	100%	20,868	
9	2013 CHEV 1/2 TON 4X4	2012	21,230	7	18,706	100%	18,706	
10	AUTOCAD SOFTWARE	1997	6,128	3	-	100%	-	
11	TRIMBLE PRO MAPPER XRS	2001	11,048	3	-	100%	-	
12	GIS UPDATES	2009	89,304	3	-	100%	-	
13	INFOMASTER DESKTOP SEWER	2013	17,000	3	13,553	100%	13,553	
14	LAND	1976	544,471	0	2,219,082	100%	2,219,082	
15	LAND	1977	7,612	0	28,916	100%	28,916	
16	LAND	1990	60,800	0	125,733	100%	125,733	
17	5310 I70 DR SE (ROTH)	2012	6,063	0	6,374	100%	6,374	
18	ANALCONTRACTORS' CLAIMS	1986	78,317	40	57,249	100%	57,249	
19	ROADS WALKS & FENCES	1964	12,631	40	-	100%	-	
20	AIRPORT SEWER SYSTEM TOTAL ADMIN COSTS & CAPACITIES	1988	105,969 \$ 1,110,552	99	\$ 2,703,343	100%	\$ 2,703,343	25.200
			1,110,002					23.200
тот	TOTAL SEWER SYSTEM FIXED ASSET COSTS:				\$ 340,923,288	78.1%	\$ 266,384,499	

SEWER SYSTEM CAPITAL IMPROVEMENTS PROGRAM (CIP)

	5								:	SEWER SYSTEM				
		ADDED						_		EXPANSION	5-YR CIP,			
	PROJECT DESCRIPTION	CAPACITY	2014	2015	2016	2017	2018	2019	5-YR CIP	PERCENTAGE		TRANSMISSION/ PUMPING	TREATMENT/ DISPOSAL	ADMIN
_	Thores become non	(MGD)		2010	2020	2027	2010	2013	5 111011		27.1.7.11.0.0.11	"1" = YES	"0" = NO	
1	Annual Projects	0.00												
2	Annual 100-Acre Point Trunks Revolving Fd - C43111 [ID: 749]	0.00	_	140,000	144,200	148,540	153,020	157,640	743,400	100%	743,400	1	_	_
	Annual Inflow & Infiltration Program [ID: 1718]	0.00	_	2,000,000	2,060,000	2,122,000	2,186,000	6,756,000	15,124,000	0%	-	1	_	_
4	Annual Private Common Collectors - C43112 [ID: 752]	0.00	_	500,000	515,000	530,500	546,500	563,000	2,655,000	100%	2,655,000	1	_	_
5	Annual Sewer Main and Manhole Rehab - C43100 [ID: 753] - Ent Rev	0.00	500,000	-	-	-	-	-	500,000	0%	-,,	1	_	_
6	Annual Sewer Main and Manhole Rehab - C43100 [ID: 753] - Ballot	0.00	-	700,000	721,000	742,700	765,100	788,200	3,717,000	0%	_	1	_	_
7	Annual Sewer System Improvements - C43183 [ID: 750] - Ent Rev	0.00	500,000	-	-	-	-	-	500,000	0%	_	1	_	_
8	Annual Sewer System Improvements - C43183 [ID: 750] - Ballot	0.00	-	1,000,000	1,030,000	1,061,000	1,093,000	1,126,000	5,310,000	0%	-	1	-	-
9	Additional I&I Per Regulatory Mandate	0.00	-		· · · · ·			4,504,000	4,504,000	0%	-	1	-	-
	,	0.00												
10	Current Projects	0.00												
	Calvert Drive Sewer Relocation [ID: 1698]	0.00	-	20,000	206,000	-	-	-	226,000	0%	-	1	-	-
	FBRS - Elm & 6th Street [ID: 1863] - Ballot	0.00	-	658,820		-	-	-	658,820	0%	-	1	-	-
	FBRS - Elm & 6th Street [ID: 1863] - Ent Rev	0.00	500,000	-	-	-	-	-	500,000	0%	-	1	-	_
	FBRS - Elm & 6th Street [ID: 1863] - PYA Ent Rev	0.00	1,177,180	-	-	-	-	-	1,177,180	0%	-	1	-	_
	FBRS - Stadium to Elm [ID: 1862] - Ballot	0.00	-	541,180	-	-	-	-	541,180	0%	-	1	-	-
	FBRS - Stadium to Elm [ID: 1862] - Ent Rev	0.00	1,661,138	-	-	-	-	_	1,661,138	0%	-	1	-	_
17	FBRS - Stadium to Elm [ID: 1862] - PYA Ent Rev	0.00	897,682	-	-	-	-	-	897,682	0%	-	1	-	-
	FBRS to Turner Relief Sewer - C43250 [ID: 1793] - Ballot	0.00	50,000	210,000	-	-	-	-	260,000	0%	-	1	-	-
	FBRS to Turner Relief Sewer - C43250 [ID: 1793] - Developer Contribu	ut 0.00	150,000	-	-	-	-	-	150,000	0%	-	1	-	-
	North Grindstone Creek Bank Stabilization C43244 [ID: 1530]	0.00	-	194,794	-	-	-	-	194,794	0%	-	1	-	-
	PCCE # 3 - Stewart & Medavista - C43198 [ID: 780]	0.00	-	100,000	-	-	-	-	100,000	100%	100,000	1	-	-
	PCCE #8: Thilly Lathrop C43221 [ID: 1241]	0.00	-	570,000	-	-	-	-	570,000	100%	570,000	1	-	-
	PCCE #14 - Cliff Drive C43239 [ID: 1367]	0.00	_	290,000	_	_	_	_	290,000	100%	290,000	1	_	_
24	PCCE #18 - Spring Valley Road C43241 [ID: 1365]	0.00	-	-	41,200	-	-	-	41,200	100%	41,200	1	-	-
	PCCE #24 - St. James & St. Joseph [ID: 1604]	0.00	-	15,000	122,673	-	-	-	137,673	100%	137,673	1	-	-
	PCCE #27 - Grace Ellen [ID: 1606]	0.00	-	15,000	95,790	-	-	-	110,790	100%	110,790	1	-	-
27	Ridgeway Cottages [ID: 1319]	0.00	-	-	16,480	-	-	-	16,480	100%	16,480	1	-	-
	Stadium & I-70 Sewer Relocation C43236 [ID: 1387]	0.00	-	-	157,347	-	-	-	157,347	0%		1	-	-
29	Upper Hinkson Creek Outfall Ext. C43213 [ID: 806] (2008 Ballot)	0.00	-	6,700,000	-	-	-	-	6,700,000	100%	6,700,000	1	-	-
30	Upper Hinkson Creek Outfall Ext. C43213 [ID: 806] (Bond Proceeds)	0.00	-	431,545	-	-	-	-	431,545	100%	431,545	1	-	-
	Upper Meredith Branch Stream Bank Stabilize. C43245 [ID: 1531]	0.00	-	450,000	-	-	-	-	450,000	0%	-	1	-	-
	Woodrail Sewer Replacement Project [ID: 1528]	0.00	-		267,800	-	-	-	267,800	0%	-	1	-	-
	FBRS - 4th Street - Elm to Rogers/Broadway [ID: 1864]	0.00	-	-	-	-	387,359	3,591,490	3,978,849	0%	-	1	-	_
	Henderson Branch Sewer Ext. (Midway Sewer Ext) [ID: 1060]	0.00	-	300,000	-	2,440,300	-		2,740,300	100%	2,740,300	1	-	-
35	North Grindstone Outfall Ext. Phase III C43214 [ID: 732]	0.00	-	-	-	-	-	1,283,640	1,283,640	100%	1,283,640	1	-	-
36	PCCE #16 - Bingham Rd & West Ridgeley Rd C43240 [ID: 1366]	0.00	-	-	-	137,930	-	-	137,930	100%	137,930	1	-	-
37	PCCE #20 - Ridgemont [ID: 1369]	0.00	-	24,000	-	229,176	-	-	253,176	100%	253,176	1	-	-
38	PCCE #20 - Ridgemont [ID: 1369]	0.00	20,000	-	-	-	-	-	20,000	100%	20,000	1	-	-
39	PCCE #22 - Shannon Place [ID: 1603]	0.00	-	-	-	-	16,395	69,136	85,531	100%	85,531	1	-	-
40	PCCE #25 - Glenwood & Redbud [ID: 1605]	0.00	-	-	-	-	54,650	574,260	628,910	100%	628,910	1	-	-
41	WWTP - Digester Complex Improvements [ID: 1303]	0.00	-	-	422,300	3,915,090	-	-	4,337,390	0%	-	-	1	-
42	Haystack Acres Pump Station Interceptor C43230 [ID: 1304]	0.00	125,000	-	-	-	-	-	125,000	100%	125,000	1	-	-
		0.00												
43	B-8 Relief Sewer - Rangeline & Vandiver [ID: 794]	0.00	-	-	-	-	-	-	-	0%	-	1	-	_
44	B-9 Relief Sewer - Garth & Vandiver [ID: 795]	0.00	-	-	-	-	-	-	-	0%	-	1	-	-
45	C-5 Trunk Relief Swr-Rock Quarry:Nifong-Zoe [ID: 802]	0.00	-	-	-	-	-	-	-	0%	-	1	-	_
46	Gans Creek Pump Station Upgrade [ID: 1196]	0.00	-	-	-	-	-	-	-	0%	-	1	-	-
47	Lower Southwest Outfall Relief Sewer [ID: 798]	0.00	-	-	-	-	-	-	-	0%	-	1	-	-
48	M-2 Interceptor Relief -Merideth Branch Crk [ID: 796]	0.00	-	-	-	-	-	-	-	0%	-	1	-	-

SANITARY SEWER UTILITY RATE STUDY APPENDIX C

SEWER SYSTEM CAPITAL IMPROVEMENTS PROGRAM (CIP)

							5 o	r 10 year CIP:	5				SEWER SYSTEM	
		ADDED						·		EXPANSION	5-YR CIP,	TRANSMISSION/	TREATMENT/	
	PROJECT DESCRIPTION	CAPACITY	2014	2015	2016	2017	2018	2019	5-YR CIP	PERCENTAGE	EXPANSION	PUMPING	DISPOSAL	ADMIN
		(MGD)										"1" = YES	"0" = NO	
49	Prathersville Area Sewer District [ID: 1527]	0.00	-	-	-	-	-	-	-	0%	-	1	-	-
50	Sewer District #171 - Crites Lane [ID: 1361]	0.00	-	-	-	-	-	-	-	0%	-	1	-	-
51	Sewer District - Hillcreek Road [ID: 1370]	0.00	-	-	-	-	-	-	-	0%	-	1	-	-
52	Sexton Road Relief Sewer [ID: 1326]	0.00	-	-	-	-	-	-	-	0%	-	1	-	-
53	Southwest Trunk #2 Relief Sewer [ID: 799]	0.00	-	-	-	-	-	-	-	0%	-	1	-	-
54	Stephens Park Sewer Relocation [ID: 747]	0.00	-	-	-	-	-	-	-	0%	-	1	-	-
55	Upper Bear Creek Sewer Replacement [ID: 1529]	0.00	-	-	-	-	-	-	-	0%	-	1	-	-
56	Upper Southwest Outfall Relief [ID: 800]	0.00	-	-	-	-	-	-	-	0%	-	1	-	-
57	Woodstock MHP WWTP Interceptor [ID: 1526]	0.00	-	-	-	-	-	-	-	0%	-	1	-	-
58	Cow Branch Outfall [ID: 725]	0.00	-	-	-	-	-	-	-	0%	-	1	-	-
59	Hominy Branch Outfall Ext:LOW Rd-Mxco GrvI [ID: 727]	0.00	-	-	-	-	-	-	-	0%	-	1	-	-
60	Little Bonne Femme Regional Pump Station [ID: 729]	0.00	-	-	-	-	-	-	-	0%	-	1	-	-
		0.00												
61	Rocky Fork Outfall Sewer [ID: 733]	0.00	-	-	-	-	-	-	-	0%	-	1	-	-
	TOTAL SEWER SYSTEM CIP	0.00	\$ 5,581,000	\$ 14,860,339	\$ 5,799,790	\$ 11,327,236	\$ 5,202,024	\$ 19,413,366	\$ 62,183,755		\$ 17,070,575	\$ 17,070,575	-	

Updated Sewer Connection Fee Schedule by Meter Size

Meter Size	Max Flow Rate	Equivalency Factor	Cur	rent Fee	Uŗ	odated Fee	Change	% Change
= /0								
5/8	20	1	\$	800	\$	2,460	\$ 1,660	208%
3/4	30	1.5	\$	800	\$	3,690	\$ 2,890	361%
1	50	2.5	\$	1,422	\$	6,150	\$ 4,728	332%
1.5	100	5	\$	3,200	\$	12,300	\$ 9,100	284%
2	160	8	\$	5,689	\$	19,680	\$ 13,991	246%
3	320	16	\$	12,800	\$	39,360	\$ 26,560	208%
4	500	25	\$	22,756	\$	61,500	\$ 38,744	170%
6	1000	50	\$	51,200	\$	123,000	\$ 71,800	140%
8	1600	80	\$	91,022	\$	196,800	\$ 105,778	116%
10	2300	115	\$	142,222	\$	282,900	\$ 140,678	99%
12	4300	215	\$	204,800	\$	528,900	\$ 324,100	158%