



**Fiscal Year 2018**

**WASTEWATER  
IMPACT FEE STUDY**

**For**

**CITY OF BOZEMAN,  
MONTANA**



**Public Resources Management Group, Inc.**

*Utility, Rate, Financial, and Management Consultants*



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December 3, 2018

Honorable Mayor and Members of the  
City Commission  
City of Bozeman  
121 N. Rouse Avenue  
Bozeman, MT 59715

**Subject: Wastewater Impact Fee Study**

Public Resources Management Group, Inc. ("PRMG") has completed our review of the wastewater impact fees for the City of Bozeman, Montana (the "City") wastewater system (the "System"), and has summarized the results of our analyses, assumptions, and conclusions in this service area report, which is submitted for your consideration. This service area report summarizes and provides a basis for the updated impact fees recommended for the wastewater system (the "System") that are a source of funding for the City's expansion-related capital costs for the System.

The proposed wastewater impact fees have been designed to meet a number of goals and objectives that include:

- The wastewater impact fees are based on the requirements of Title 7, Chapter 6, Part 16 of the Montana Code and, therefore, comply with Montana State Law;
- The wastewater impact fees are designed to recover the capital costs associated with providing wastewater capacity to new development including the cost of existing system assets with capacity available to serve new development and expansion-related projects included in the City's capital improvement program (the "CIP");
- The impact fees do not include the funding requirements associated with any infrastructure deficiencies of the wastewater system (e.g., renewals and replacements) or any operating and maintenance expenses; and
- The impact fees are based upon reasonable level of service standards that generally meet the needs of the City's new customers, that are indicative of criteria used for long-term infrastructure planning, and that are consistent with the current level of service provided to existing customers.

Honorable Mayor and Members of the City Commission  
City of Bozeman  
December 3, 2018  
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Based on information provided by the City regarding the capital cost of system facilities, customer service levels, existing capacity utilization, the assumptions and considerations outlined in this report, and our studies and evaluations, PRMG considers the proposed wastewater impact fees to be cost-based, reasonable, and representative of the capital cost of serving new development.

Following this letter, we have provided an executive summary, which outlines our observations, recommendations and conclusions to the City. The accompanying report provides the details of the analyses conducted on behalf of the City.

We appreciate the opportunity to be of service to the City and would like to thank the City staff for their assistance and cooperation during the course of this study.

Very truly yours,

**Public Resources Management Group, Inc.**



Henry L. Thomas  
Senior Vice-President

HLT/leg  
Attachments

**CITY OF BOZEMAN, MONTANA**  
**WASTEWATER IMPACT FEE STUDY**

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**CITY OF BOZEMAN, MONTANA**

**WASTEWATER IMPACT FEE STUDY**

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# **EXECUTIVE SUMMARY AND RECOMMENDATIONS**

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# CITY OF BOZEMAN, MONTANA

## WASTEWATER IMPACT FEE STUDY

### EXECUTIVE SUMMARY AND RECOMMENDATIONS

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#### PURPOSE OF WASTEWATER IMPACT FEES

The purpose of wastewater impact fees is to recover the pro-rata share of allocated capital costs that are considered growth-related from new customers connecting to the system or from existing customers that are requesting an increase in the reserved wastewater capacity associated with increased development on their property. To the extent that new population growth and associated development impose identifiable capital costs to municipal services, capital funding practices to include the assignment of such costs to those residents or system users responsible for those costs rather than to the entire population base is reasonable. Generally, this practice has been labeled as "growth paying its own way" to minimize existing user cost burdens. The application of impact fees to finance capital infrastructure allocated to such new capacity requests is very common in Montana and throughout the United States and has been used as a capital funding source by the City of Bozeman (the "City") for a number of years.

The City last reviewed its wastewater impact fees in 2012. Since Montana's enabling impact fee legislation requires a review and update of impact fees at least every five (5) years, the City commissioned impact fee reviews in 2017.

#### OBSERVATIONS, RECOMMENDATIONS, AND CONCLUSIONS

The following is a summary of the observations, recommendations and conclusions developed by PRMG during our investigation, analyses, and preparation of this report:

1. The imposition of impact fees must satisfy the requirements of Montana State Law based on the criteria set forth in Title 7, Chapter 6, Part 16 of the Montana Code Annotated (the "MCA") and should reflect a rational nexus whereby the benefits received by new development are reasonably related to the impact fees.
2. The wastewater facilities such as the treatment and transmission facilities are interconnected and serve an overall system need and, as such, the proposed impact fee is based on a single service area or system-wide fee for the wastewater system. The proposed wastewater impact fee is \$1,619 per equivalent dwelling unit ("EDU"). For residential wastewater service, the City charges a wastewater impact fee based on the size of the residential home. For non-residential wastewater service, the City charges a wastewater impact fee based on the size of the water meter in service. While no changes in the application methodology is proposed, this study updates the demand coefficients or EDUs for each category of service based on the most recently available information from the City.
3. The capital costs included in the proposed wastewater impact fees are based on: i) the cost of certain existing wastewater system assets with capacity available to serve new

development; ii) planned capital improvements that upgrade existing wastewater assets, a portion of which are available to serve growth; and iii) planned capital improvements that provide additional capacity to serve future growth. The cost of such capacity is allocated between existing and future customers based on the estimated benefit or proportionate share assigned to such customers predicated on the intent of the expenditures, level of service assumptions, the existing and future capacity needs of the System. The proposed fees also include a five percent (5%) allowance to recover administrative costs as allowable by Montana's enabling impact fee legislation.

4. The CIP for the wastewater system does not include any further expansion of the capacity of existing wastewater treatment and disposal facilities, but does include: i) projects which upgrade the existing wastewater treatment and disposal facilities that benefit both existing and future customers; and ii) improvements that expand the wastewater transmission system or upgrade existing transmission assets, a portion of which are available to serve growth. In keeping with Montana State Law a proportionate share of these costs was assigned to new development and was included in the calculation of the proposed wastewater impact fees.
5. In accordance with the provisions of Montana State Law and case law pertaining to impact fees, the fees can only be used to pay for growth-related projects or to pay for growth-related debt service. The City could use wastewater impact fee receipts either to: i) pay directly for the costs of projects allocable to growth such that the need for borrowing external funds to finance the identified wastewater system capital program is reduced; or ii) apply the impact fees toward the expansion-related component of the City's debt service payments for the wastewater system. Table ES-1, on the following page, contains a summary of existing and proposed wastewater impact fees.

**(Remainder of page intentionally left blank)**



**Table ES-1**  
**City of Bozeman, Montana**  
**Wastewater Impact Fee Study**

**Summary of Calculated Costs per Gallon and Proposed Wastewater Impact Fees**

**PROPOSED APPLICATION METHODOLOGY**

**Wastewater Impact Fee - Residential**

Line No.	Treatment Component Square Feet of Living Area	Wastewater Reclamation Plant Fee per Unit	Calculated		Less Debt Service Credit	Calculated		Gallons per Day per EDU	EDU Factor	Wastewater Reclamation Plant Impact Fee		Administration Charge	Wastewater Reclamation Plant Impact Fee	
			Cost per Gallon			Cost per Gallon With Debt Service Credit				per Unit Without Admin Charge			per Unit With Admin Charge	
1	1400 or Less	\$440.89	\$8.47		(\$1.68)	\$6.79	144	0.70	\$684.12	5.0%	\$718.00			
2	1401 - 1600	565.04	8.47	(1.68)	6.79	144	0.89	869.81	5.0%	913.00				
3	1601 - 1800	676.43	8.47	(1.68)	6.79	144	0.94	918.68	5.0%	964.00				
4	1801 - 2000	775.05	8.47	(1.68)	6.79	144	1.00	977.32	5.0%	1,026.00				
5	2001 - 2200	864.39	8.47	(1.68)	6.79	144	1.07	1,045.73	5.0%	1,098.00				
6	2201 - 2400	945.60	8.47	(1.68)	6.79	144	1.13	1,104.37	5.0%	1,159.00				
7	2401 - 2600	1,018.70	8.47	(1.68)	6.79	144	1.19	1,163.01	5.0%	1,221.00				
8	2601 - 2800	1,087.15	8.47	(1.68)	6.79	144	1.21	1,182.56	5.0%	1,241.00				
9	2801 - 3000	1,150.97	8.47	(1.68)	6.79	144	1.27	1,241.20	5.0%	1,303.00				
10	3001 or More	1,190.42	8.47	(1.68)	6.79	144	1.35	1,319.38	5.0%	1,385.00				
11	Group Quarters per person	428.13	8.47	(1.68)	6.79	144	0.45	439.79	5.0%	461.00				
Line No.	Transmission Component Square Feet of Living Area	Transmission System Fee per Net Acre of Development	Calculated		Less Debt Service Credit	Calculated		Gallons per Day per EDU	EDU Factor	Transmission System Impact Fee Without Admin Allowance		Administration Allowance	Transmission System Impact Fee per Unit With Admin Allowance	
			Cost per Gallon			Cost per Gallon With Debt Service Credit				Impact Fee Without Admin Allowance			per Unit With Admin Allowance	
12	1400 or Less	\$4,716.42	\$4.05		(\$0.13)	\$3.93	144	0.70	\$395.90	5.0%	\$415.00			
13	1401 - 1600	4,716.42	4.05	(0.13)	3.93	144	0.89	503.36	5.0%	528.00				
14	1601 - 1800	4,716.42	4.05	(0.13)	3.93	144	0.94	531.64	5.0%	558.00				
15	1801 - 2000	4,716.42	4.05	(0.13)	3.93	144	1.00	565.57	5.0%	593.00				
16	2001 - 2200	4,716.42	4.05	(0.13)	3.93	144	1.07	605.16	5.0%	635.00				
17	2201 - 2400	4,716.42	4.05	(0.13)	3.93	144	1.13	639.10	5.0%	671.00				
18	2401 - 2600	4,716.42	4.05	(0.13)	3.93	144	1.19	673.03	5.0%	706.00				
19	2601 - 2800	4,716.42	4.05	(0.13)	3.93	144	1.21	684.34	5.0%	718.00				
20	2801 - 3000	4,716.42	4.05	(0.13)	3.93	144	1.27	718.28	5.0%	754.00				
21	3001 or More	4,716.42	4.05	(0.13)	3.93	144	1.35	763.52	5.0%	801.00				
22	Group Quarters per person	4,716.42	4.05	(0.13)	3.93	144	0.45	254.51	5.0%	267.00				
Line No.	Combined Square Feet of Living Area	Total Existing Fee for One Acre	Calculated		Less Debt Service Credit	Calculated		Gallons per Day per EDU	EDU Factor	Total Proposed Fee Without Admin Charge		Administration Charge	Total Proposed Fee per Unit With Admin Charge	
			Cost per Gallon			Cost per Gallon With Debt Service Credit				Admin Charge			per Unit With Admin Charge	
23	1400 or Less	\$5,157.31	\$12.52		(\$1.81)	\$10.71	144	0.70	\$1,080.02	5.0%	\$1,133.00			
24	1401 - 1600	5,281.46	12.52	(1.81)	10.71	144	0.89	1,373.17	5.0%	1,441.00				
25	1601 - 1800	5,392.85	12.52	(1.81)	10.71	144	0.94	1,450.32	5.0%	1,522.00				
26	1801 - 2000	5,491.47	12.52	(1.81)	10.71	144	1.00	1,542.89	5.0%	1,619.00				
27	2001 - 2200	5,580.81	12.52	(1.81)	10.71	144	1.07	1,650.89	5.0%	1,733.00				
28	2201 - 2400	5,662.02	12.52	(1.81)	10.71	144	1.13	1,743.47	5.0%	1,830.00				
29	2401 - 2600	5,735.12	12.52	(1.81)	10.71	144	1.19	1,836.04	5.0%	1,927.00				
30	2601 - 2800	5,803.57	12.52	(1.81)	10.71	144	1.21	1,866.90	5.0%	1,959.00				
31	2801 - 3000	5,867.39	12.52	(1.81)	10.71	144	1.27	1,959.47	5.0%	2,057.00				
32	3001 or More	5,906.84	12.52	(1.81)	10.71	144	1.35	2,082.90	5.0%	2,186.00				
33	Group Quarters per person	5,144.55	12.52	(1.81)	10.71	144	0.45	694.30	5.0%	728.00				

**Table ES-1**  
**City of Bozeman, Montana**  
**Wastewater Impact Fee Study**

**Summary of Calculated Costs per Gallon and Proposed Wastewater Impact Fees**

**Wastewater Impact Fee - Nonresidential**

Line No.	Meter Size	Existing Fee	Proposed Rate Calculation				
			Rated Maximum Capacity (gpm)	Meter Equivalent Factor	Impact Fee Without Admin Allowance	Administration Allowance	Impact Fee With Admin Allowance
<b>Treatment Component</b>		Per Meter Size					
34	0.75-inch	\$1,545.45	30	1.50	\$1,465.98	5.0%	\$1,539.00
35	1-inch	3,556.17	50	2.50	2,443.30	5.0%	2,565.00
36	1.5-inch	7,731.91	100	5.00	4,886.60	5.0%	5,130.00
37	2-inch	14,382.46	160	8.00	7,818.56	5.0%	8,209.00
38	3-inch	30,775.63	300	15.00	14,659.80	5.0%	15,392.00
39	Above 3-inch	Calculated					Calculated
<b>Transmission Component</b>		Per Net Acrea	Rated Maximum Capacity (gpm)	Meter Equivalent Factor	Impact Fee Without Admin Allowance	Administration Allowance	Impact Fee With Admin Allowance
40	0.75-inch	\$4,716.42	30	1.50	\$848.36	5.0%	\$890.00
41	1-inch	4,716.42	50	2.50	1,413.93	5.0%	1,484.00
42	1.5-inch	4,716.42	100	5.00	2,827.86	5.0%	2,969.00
43	2-inch	4,716.42	160	8.00	4,524.57	5.0%	4,750.00
44	3-inch	4,716.42	300	15.00	8,483.57	5.0%	8,907.00
45	Above 3-inch	Calculated					Calculated
<b>Combined</b>		Total Existing Fee for One Acre	Rated Maximum Capacity (gpm)	Meter Equivalent Factor	Impact Fee Without Admin Allowance	Administration Allowance	Impact Fee With Admin Allowance
46	0.75-inch	\$6,261.87	30	1.50	\$2,314.34	5.0%	\$2,429.00
47	1-inch	8,272.59	50	2.50	3,857.23	5.0%	4,049.00
48	1.5-inch	12,448.33	100	5.00	7,714.46	5.0%	8,099.00
49	2-inch	19,098.88	160	8.00	12,343.13	5.0%	12,959.00
50	3-inch	35,492.05	300	15.00	23,143.37	5.0%	24,299.00
51	Above 3-inch	Calculated					Calculated

# **SECTION 1**

## **INTRODUCTION**

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**CITY OF BOZEMAN, MONTANA**  
**WASTEWATER IMPACT FEE STUDY**

**SECTION 1: INTRODUCTION**

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**GENERAL**

The City of Bozeman, Montana (the "City") owns and operates a wastewater utility system (the "System") within its service area boundaries. The City has historically used impact fees to fund a portion of the expansion-related capital costs for the System. The City last reviewed its wastewater impact fees in 2012. Since Montana's enabling impact fee legislation requires a review and update of impact fees at least every five (5) years, the City commissioned impact fee reviews in 2017.

**CRITERIA FOR WASTEWATER IMPACT FEES**

The purpose of an impact fee is to assign, to the extent practical, growth-related capital costs to those new customers responsible for such additional costs. To the extent population growth and associated development require identifiable capital costs to provide utility service, modern capital funding practices suggest the assignment of such costs to those new residents or system users responsible for those costs rather than the existing customer base. Generally, this practice is labeled as "growth paying its own way" to avoid burdening existing users with the cost of facility expansion.

Within the State of Montana, Title 7, Chapter 6, Part 16 of the Montana Code Annotated (the "Code" or the "MCA") authorizes the use of impact fees for utilities owned by local governments. According to the Code, a valid impact fee, among other things, must meet the following requirements:

1. The calculation of the impact fee must be based on the proportionate share of the cost of infrastructure improvements necessary to serve new development;
2. Provide for recognition of other available funding sources such as grants;
3. The fee cannot include the cost of correcting existing System deficiencies;
4. The fee may not include expenses related to the operation and maintenance of the facility;
5. New development may not be held to a higher level of service standard than existing users unless there is a funding mechanism in place for the existing users to make improvements that match the higher level of service.
6. The City must deposit the impact fees in a special proprietary fund and monies held in this fund prior to expenditure must be invested with all interest accruing to the fund to ensure that the fees collected are used only for the lawful purposes established in the Code.

7. The City must collect the impact fees in accordance with an impact fee ordinance or resolution that establishes the method for developing and applying the fee and makes such information available to the public upon request. In addition, the ordinance or resolution should also explicitly restrict the use of the fees collected.

Based on the criteria above, we believe that the proposed wastewater impact fees recommended herein, which are set forth in the Executive Summary and in Section 2, are in compliance with the Code and as such: i) include only the proportionate share of the estimated capital cost of facilities necessary to serve new development, ii) do not reflect costs associated with renewal and replacement of any existing capital assets to cure existing System deficiencies, iii) do not include any costs of operation and maintenance of any facilities; and iv) recognize other funding sources such as grants used by the City to construct certain wastewater capital facilities.

### **ESTABLISHMENT OF NEED AND SUPPORTING DOCUMENTATION**

The City of Bozeman currently owns and operates one wastewater treatment facility – the Bozeman Water Reclamation Facility ("WRF") – which has a current capacity of 8.5 million gallons per day (MGD) expressed on an average daily flow basis. The wastewater collection system consists of 278 miles of wastewater lines, 4,200 manholes, and 12 lift stations. Since the wastewater treatment and transmission facilities are interconnected and serve an overall system need, the proposed wastewater impact fees represent a single service area.

Wastewater impact fees charged by utility providers in Montana are based on the requirements of Title 7, Chapter 6, Part 16 of the Montana Code. Figure 1-1 presents the specific documentation that will allow the City of Bozeman to update the wastewater impact fee in compliance with Montana State Law.

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**Figure 1-1**  
**Wastewater Impact Fee Study**  
**Compliance with Montana Enabling Impact Fee Legislation**  
**(Section 7-6-1602 MCA)**  
**Wastewater System**

Section Reference	Documentation Item	Document(s)	Page or Section
(1)	for each public facility for which an impact fee is imposed, the governmental agency must prepare and approve a service area report.	Wastewater Impact Fee Study Service Area Report	
(2)	The service area report is a written analysis that must:		
(2)(a)	describe existing conditions of the facility.	Bozeman Wastewater Collection Facilities Plan dated May 2015	Chapter 3: Existing Collection System Database
(2)(b)	establish level of service standards.	Bozeman Wastewater Collection Facilities Plan dated May 2015	Chapter 2: Basis of Planning, Page 2-12
		Wastewater Impact Fee Study Service Area Report	Section 2: Development of Wastewater Impact Fees, Level of Service Requirements, Page 2-3
(2)(c)	forecast future additional needs for service for a defined period of time.	Bozeman Wastewater Collection Facilities Plan dated May 2015	Chapter 5: Future Collection System Evaluation
(2)(d)	identify capital improvements necessary to meet future needs for service.	Bozeman Wastewater Collection Facilities Plan dated May 2015	Chapter 6: Summary Recommendations and Capital Improvement Summary
		CIP	Wastewater-related projects
		Wastewater Impact Fee Study Service Area Report	Section 2: Development of Wastewater Impact Fees, Tables 2-2 to 2-4
(2)(e)	identify those capital improvements needed for continued operation and maintenance of the facility.	Bozeman Wastewater Collection Facilities Plan dated May 2015	Chapter 6: Summary Recommendations and Capital Improvement Summary
		CIP	Wastewater-related projects
(2)(f)	make a determination as to whether one service area or more than one service area is necessary to establish a correlation between impact fees and benefits.	Wastewater Impact Fee Study Service Area Report	Executive Summary and Recommendations, Page ES-1
(2)(g)	make a determination as to whether one service area or more than one service area for transportation facilities is needed to established a correlation between impact fees and benefits.	Not Applicable for Wastewater Impact Fees	Not Applicable for Wastewater Impact Fees

*(Table continues on following page)*

**Figure 1-1 (cont.)**  
**Wastewater Impact Fee Study**  
**Compliance with Montana Enabling Impact Fee Legislation**  
**(Section 7-6-1602 MCA)**  
**Wastewater System**

Section Reference	Documentation Item	Document(s)	Page or Section
(2)(h)	establish the methodology and time period over which the governmental entity will assign the proportionate share of capital costs for expansion of the facility to provide service to new development within each service area.	CIP	Wastewater-related improvements in the CIP
		Wastewater Impact Fee Study Service Area Report	Section 2: Development of Wastewater Impact Fees
(2)(i)	establish the methodology that the governmental entity will use to exclude operations and maintenance costs and correction of existing deficiencies from the impact fee.	Bozeman Wastewater Collection Facilities Plan dated May 2015	Chapter 6: Summary Recommendations and Capital Improvement Summary
		Wastewater Impact Fee Study Service Area Report	Section 2: Development of Wastewater Impact Fees
(2)(j)	establishes the amount of the impact fee that will be imposed for each unit of increased service demand.	Wastewater Impact Fee Study Service Area Report	Table ES-1; Section 2: Development of Wastewater Impact Fee, Table 2-5
(2)(k)	has a component of the budget of the governmental entity that: (i) schedules construction of public facility capital improvements to serve projected growth. (ii) projects costs of the capital improvements. (iii) allocates collected impact fees for construction of the capital improvements. (iv) covers at least a 5-year period and is reviewed and updated at least every 2 years.	CIP	Wastewater-related improvements for the CIP
		Wastewater Impact Fee Study Service Area Report	Section 2: Development of Wastewater Impact Fees
(3)	The service area report is a written analysis that must contain documentation of sources and methodology used for purposes of subsection (2) and must document how each impact fee meets the requirements of subsection (7).	Wastewater Impact Fee Study Service Area Report	All Sections
(4)	The service area report that supports adoption and calculation of an impact fee must be available to the public upon request.	Wastewater Impact Fee Study Service Area Report	All documents will be made available at City offices

*(Table continues on following page)*

**Figure 1-1 (cont.)**  
**Wastewater Impact Fee Study**  
**Compliance with Montana Enabling Impact Fee Legislation**  
**(Section 7-6-1602 MCA)**  
**Wastewater System**

Section Reference	Documentation Item	Document(s)	Page or Section
(5)	The amount of each impact fee imposed must be based upon the actual cost of public facility expansion or improvements or reasonable estimates of the cost to be incurred by the governmental entity as a result of new development. The calculation of each impact fee must be in accordance with generally accepted accounting principles.	Wastewater Impact Fee Study Service Area Report	Section 2: Development of Wastewater Impact Fees, Table 2-5
(6)	The ordinance or resolution adopting the impact fee must include a time schedule for periodically updating the documentation required under subsection (2).	Updated Wastewater Impact Fee Resolution	To be determined
(7)	An impact fee must meet the following requirements: (a) The amount of the impact fee must be reasonably related to and reasonable attributable to the development's share of the cost of infrastructure improvements made necessary by the new development. (b) The impact fees imposed may not exceed a proportionate share of the costs incurred or to be incurred by the governmental entity in accommodating the development. The following factors must be considered in determining a proportionate share of public facilities capital improvements costs: (i) the need for public facilities capital improvements required to serve new development; and (ii) consideration of payments for system improvements reasonable/ anticipated to be made by or as a result of development in the form of user fees, taxes, and other available sources of funding the system improvements. (c) Costs for correction of existing deficiencies in a public facility may not be included in the impact fee. (d) New development may not be held to a higher level of service than existing users unless there is a mechanism in place for the existing users to make improvements to the existing system to match the higher level of service. (e) Impact fees may not include expenses for operations and maintenance of the facility.	Wastewater Impact Fee Study Service Area Report	All Sections



## **SECTION 2**

# **DEVELOPMENT OF WASTEWATER SYSTEM IMPACT FEES**

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**CITY OF BOZEMAN, MONTANA**

**WASTEWATER IMPACT FEE  
SERVICE AREA REPORT**

**SECTION 2: DEVELOPMENT OF WASTEWATER IMPACT FEES**

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**INTRODUCTION**

This section of the report summarizes the basis for the development of the City's proposed wastewater impact fees. Included in this section is a presentation of the existing impact fees for providing service to new wastewater customers, a discussion of the methodology used to develop the proposed wastewater impact fees, and a comparison of the proposed fees with those of other neighboring jurisdictions.

**EXISTING WASTEWATER IMPACT FEES**

Resolution No. 4422 (the "Wastewater Impact Fee Resolution"), which was adopted by the City Commission on December 10, 2012, established wastewater impact fees for the City based on a formal wastewater impact fee review. Section 2.06.1700(L) of the City's Code of Ordinances enables the City to adjust the wastewater impact fees annually to reflect the effects of inflation on those costs for improvements set forth in the wastewater impact fee study. On January 1 of each year unless and until the wastewater impact fee study is revised or replaced, the wastewater impact fee is adjusted by multiplying such amount by one plus the value of the Construction Cost Index published by *Engineering News-Record* in the first December edition of the current year. The adjusted wastewater impact fees automatically become effective immediately upon calculation by the City without additional action by the City Commission.

The current wastewater impact fees are summarized as follows:

<b>Existing Residential Wastewater Impact Fees</b>		
<u>Square Feet of Living Area</u>	<u>Water Reclamation Plant Fee Per Unit</u>	<u>Transmission System Fee Per Net Acre of Development</u>
1400 or Less	\$440.89	\$4,716.42
1401 to 1600	565.04	4,716.42
1601 to 1800	676.43	4,716.42
1801 to 2000	775.05	4,716.42
2001 to 2200	864.39	4,716.42
2201 to 2400	945.60	4,716.42
2401 to 2600	1,018.70	4,716.42
2601 to 2800	1,087.15	4,716.42
2801 to 3000	1,150.97	4,716.42
3001 or More	1,190.42	4,716.42
Group Quarters Per Person	428.13	4,716.42

**(Remainder of page left intentionally left blank)**

### Existing Nonresidential Water Impact Fees

Meter Size	Water Reclamation Plant Fee Per Meter	Transmission System Fee Per Net Acre of Development
0.75-inch	\$1,545.45	\$4,716.42
1-inch	3,556.17	4,716.42
1.5-inch	7,731.91	4,716.42
2-inch	14,382.46	4,716.42
3-inch	30,775.63	4,716.42

## IMPACT FEE DEVELOPMENT METHODS

There are several different methods generally recognized for the calculation of impact fees. The calculation is dependent on the type of charge being calculated (e.g., water, wastewater, police services, transportation, etc.); the cost and engineering data available; and the availability of other local data such as household and population projections, current levels of service, and other related items. There are two general methods for calculating impact fees: i) the improvements-driven method and ii) the standards-driven method. Both methods have been utilized in the development of impact fees for local governments.

The improvements-driven method, which is generally used for water and wastewater impact fees, is an approach that utilizes a specific list of planned capital improvements over a period of time. The fee corresponds to the level of capital improvements, which have been identified in the capital improvements element of a local government's comprehensive land use / community plan or the master plan or capital improvement plan of the utility. The standards-driven method utilizes an estimated or theoretical cost of the improvements for incremental development typically based on historical estimates. For example, the standards-driven method for a transportation impact fee would consider the estimated cost of a mile of a new road by the trip capacity of a mile of road to establish the cost per trip. The primary difference between the two methodologies is how the capital costs are calculated; however, both methods meet the requirements of the Section 7-6-1602(5) of the Code requiring that impact fees be based on the actual cost of the improvements or reasonable estimates of such costs. The development of water and wastewater impact fees is typically based on the improvements-driven method, whereby the cost of capital facilities are allocated between current and future users based on reasonable and defensible data and estimates of facility utilization. The improvements-driven method is used by utility systems because this method works well in conjunction with the capital planning process of the utility business.

The impact fees proposed in this report are based on the improvements-driven method using the capital costs and needs as documented in the City's asset records and CIP. The method recognizes the embedded cost of existing unused capacity that is available from the City's existing utility plant which is currently in service, as well as planned investments in wastewater treatment and transmission assets that provide additional wastewater system capacity.

## DESIGN OF WASTEWATER IMPACT FEES

The approach to designing wastewater impact fees includes two significant components. These two components are: i) the level of service to be apportioned to the applicants that request system

capacity; and ii) the associated amount of capital cost to be recovered from a new applicant requesting service. Both of these items are related to the level of the wastewater impact fee expressed on an equivalent dwelling unit (EDU) basis, which represents the average capacity required to service a typical individually-metered single family residential account.

**LEVEL OF SERVICE REQUIREMENTS**

In the evaluation of the capital facility needs for providing water and wastewater utility services, it is critical that a level of service (LOS) standard is established. The level of service is an indicator of the extent or degree of service provided to a specific customer. Level of service indicates the capacity per unit of demand for each public facility. Essentially, the level of service standard is established in order to ensure that adequate facility capacity will be provided for future development.

For water and wastewater service, the level of service that is commonly used in the industry is the amount of capacity (service) allocable to each EDU expressed as the average amount of usage (gallons) on a daily basis. The level of service generally represents the amount of capacity attributable to an EDU, whether or not such capacity is actually used (commonly referred to as "readiness to serve"). As previously mentioned, an EDU is representative of the average capacity required to service a typical individually metered single-family residential account. This class of users represents the largest amount of customers served by a public utility such as the City's and generally has the lowest level of usage requirements for a specifically metered account. Several alternative methods are used to apply the EDU concept to non-single family residential uses including business attributes linked to the demand for water and wastewater service, fixture counts, and meter size equivalency factors.

Pursuant to Montana State Law, in the calculation of water impact fees, new development may not be held to a higher level of service standard than existing users. Accordingly, the following levels of service standards were assumed for calculating the proposed impact fees based on actual historical information for existing users as provided by City staff and as contained in the Bozeman Wastewater Collection Facilities Plan dated May 2015:

**Derivation of Wastewater Level of Service  
Utilized in Wastewater Impact Fee Calculations**

	Amount
Residential Per Capita Wastewater Generation [1]	64.4 gpd
Persons Per Household [2]	2.24
Recognized Level of Service Per Wastewater EDU	<u>144 gpd</u>

[1] Amounts shown on page 1-2 of Bozeman Wastewater Collection Facilities Plan Update dated May 2015.

[2] Persons per household for 2012 to 2016 as published by U.S. Census (census.gov).

EDU = equivalent dwelling unit  
gpd = gallons per day – average daily flow basis

**EXISTING PLANT-IN-SERVICE**

In the determination of the impact fee associated with the servicing of future customers, any constructed capacity in existing treatment and transmission facilities that is available to serve future growth was considered in developing the proposed wastewater impact fees. Since this

capacity was constructed and is available to serve the near-term growth of the utility system, it is appropriate to recognize the capacity cost of such facilities. In order to evaluate the availability of the existing utility plant-in-service to meet or provide for near-term future capacity needs, it was necessary to categorize the existing utility facilities by specific utility function or purpose (treatment, conveyance, etc.). Categorizing the investment in existing utility facilities helps to identify those assets that should be considered or included in the determination of the impact fees.

The functional cost categories are based on the purpose of the assets and the service that such assets served. The following is a summary of the functional cost categories for the utility plant-in-service identified in this report.

<b>Facility Plant Categories</b>	
Wastewater Service	Other Plant
Treatment	General Plant (Equipment, Vehicles, etc.)
Transmission	
Collection (Includes Local Lift	
Stations, Manholes, and Laterals)	

It was necessary to categorize the utility facilities into these cost categories so that system-wide capacity costs are identified such that a proper fee can be developed. System-wide capacity costs are those costs incurred to provide capacity needed to serve new growth and development and do not include: i) site improvements and facilities that are planned and designed to provide service for a particular development project and that are necessary for the use and convenience of the occupants or users of the project; and ii) routine and periodic maintenance expenditures, personnel training, and other operating costs. Therefore, the costs of onsite facilities which serve a specific development or customer are not considered as "System-wide" costs that are proportionately allocable to all users. Onsite facilities such as wastewater collection lines, meters and services, local lift stations, and fire hydrants are usually paid for and donated by a developer as part of the City's utility extension program (a contribution of the facilities). The cost of such facilities should not be included in the impact fee calculation. Additionally, assets or utility plant with short service lives that are replaced on a recurring basis are also not included since these assets generally benefit the existing customers of the System. An example of this utility plant would be assets commonly referred to as "general plant" and would include vehicles, equipment, and other related assets.

The City provided PRMG with reported utility plant asset information through June 30, 2017 (the most recently completed fiscal year at the time of this analysis) that served as the basis of the functionalization of the existing utility plant-in-service. Appendix A at the end of this report provides the functionalization analysis of the existing utility plant-in-service for the System. The functionalized existing utility plant-in-service as shown in Appendix A represents the original installed cost of such assets (gross book value) when placed into service and represents all assets in service as of June 30, 2017 that were provided by the City and detailed in the utility asset records. This information represents the most current information available relative to the plant-in-service to serve the existing and near-term future customer base of the utility system. The assets represent "installed costs" and have not been restated to account for any fair market value adjustments which would reflect current costs (would essentially assume that assets were

replaced with identical materials). If an asset had been replaced by the City as of June 30, 2017 and is now in service, such assets were considered since they are physically in-service and represent the capital cost actually being incurred by the City to provide service to future development (this also recognized that the asset that was replaced is retired and no longer in service and was assumed to not be included in the fixed asset register provided to PRMG).

A summary of the categorization of the existing utility plant-in-service in Appendix A is shown as follows:

<b>Summary of Wastewater Utility System Existing Assets (Gross Utility Plant) [1]</b>		
<u>Function</u>	<u>Amount</u>	<u>Percent</u>
Treatment	\$71,944,667	37.2%
Transmission	39,980,801	20.7%
Collection [2]	71,587,418	37.0%
General Plant [2]	9,796,187	5.1%
<b>Total Gross Utility Plant In Service [3]</b>	<b>\$193,300,074</b>	<b>100.0%</b>

[1] Amounts shown derived from utility asset records as of June 30, 2017 that were provided by the City as shown in Appendix A.

[2] These assets are not included in the wastewater impact fees.

[3] Construction work-in-progress was not recognized since the projects have not yet been completed and placed into service by the City and the corresponding existing assets, if any, that would be retired or improved were not removed from the fixed asset register.

In order to determine the amount of existing wastewater treatment / disposal plant assets with capacity available to meet future growth, it is necessary to estimate the amount of unused capacity in such facilities. Table 2-1 at the end of this section provides an estimate of the unused capacity and the allocated water supply and treatment plant costs available to meet future needs. This estimate for wastewater capacity and the allocation of existing plant to future growth was based on: i) the permitted design capacity of the respective utility plant facilities; ii) the recognition of adjustments to present the facility capacity on an average daily demand / flow basis to be consistent with the assumed level of service requirements (dependable daily capacity); and iii) actual use of such facilities as experienced by the System service area through the Fiscal Year 2017. Based on this analysis, it was estimated that the existing wastewater treatment plant facilities had the following available capacity to meet future needs:

**(Remainder of page left intentionally left blank)**

**Summary of Wastewater Plant Capacity Available to Meet Future Demand**

	Wastewater Plant [1]
Total Permitted Capacity (ADF - MGD)	8.500
Less Existing Plant Utilization (ADF - MGD)	5.118
Net Available to Meet Future Service Area Needs	3.382
Estimated Percent of Total System Capacity	39.78%

MGD = Million Gallons Per Day  
ADF = Average Daily Flow

[1] Amounts derived from Table 2-1.

As shown above, it has been estimated that approximately 39.78% in existing wastewater treatment and disposal utility assets is allocable to serve future development. The wastewater treatment / disposal capacity costs in the impact fee calculations represent the average installed costs of such capacity ("buy-in") as well as upgrades to such assets (reflected in the CIP), a portion of which benefit new development.

**ADDITIONAL CAPITAL INVESTMENT**

As with any utility, the City is continually in the process of updating and expanding the wastewater facilities to serve increasing demand; upgrade and improve service and reliability; and meet new regulatory requirements. In order to develop an impact fee that is consistent with the capital costs of the System, the cost of the City's capital improvements that are anticipated to meet future needs are included in the proposed wastewater impact fees. The City staff provided the most recent CIP, which outlines a number of capital improvements for the wastewater system as shown in Table 2-2 at the end of this section. Generally, these improvements are for i) expansions of the System to meet new growth; ii) upgrades to existing assets which may benefit both current and future users of the System (e.g., a transmission line upgrade or improvements to increase reliability or comply with new regulatory requirements); and iii) replacement of assets that only benefit current users of the System. Of these three types of costs identified in the CIP, the cost associated with the replacement of assets is not included in the proposed impact fees as these costs are not associated with providing capacity for new development while the cost of system upgrades, which represent an enhanced level of service for all users, and the cost of system expansion that directly benefits new development are included in the proposed fees. Also, as required by Section 7-6-1601(1)(a) of the Code, all of the costs included in the fees have a useful life of at least ten (10) years.

Table 2-3 at the end of this section provides a functional summary of all planned wastewater improvements and expansions for the System. Based on the functional categories previously discussed, this step helps to ensure that only system level facilities such as treatment and transmission facilities are included in the impact fee. Based on discussions with City staff and as shown on Table 2-3, approximately \$15.8 million of wastewater treatment and disposal capital projects and \$33.0 million of wastewater transmission capital improvements have been considered in the determination of the proposed wastewater impact fees. Table 2-4 shows the allocation of functionalized CIP projects between existing users and future growth for the wastewater system.

## DESIGN OF WASTEWATER IMPACT FEE

As shown on Table 2-5 at the end of this section, the proposed impact fee for the wastewater system is \$1,619 per EDU. The costs included in the calculation of the fee reflect the proportionate share of capital costs that meet the demands of future customers as identified in the City's fixed asset records and CIP. The proposed charge is based on current estimates of capacity costs and is reasonably comparable with those of other Montana utilities.

The major assumptions relied upon in the development of the proposed wastewater impact fees are as follows.

1. The existing wastewater treatment facilities have approximately 39.78% of capacity available to serve new growth, based on: i) the permitted capacity of the existing wastewater treatment plant facilities; and ii) estimated average daily flows provided by the City. Therefore, the proposed impact fee reflects the proportionate share of the existing plant at original cost including any improvements that are anticipated to serve new development. Since the wastewater treatment plant has significant capacity available to serve new growth, the City currently does not plan to expand the wastewater treatment plant in the near future.
2. The capital costs identified in the City's CIP are incorporated into the calculation of the proposed impact fees as appropriate on a project-specific basis. Only the costs of those facilities considered to be allocable to growth are included in the fee. For capital expenditures, which are solely for the replacement of existing assets directly benefiting only existing customers or considered as an on-site cost (provide service to a local area such as a development that would normally be constructed and subsequently contributed to the City by a developer), such amounts are not reflected as an appropriate cost to be recovered from the application impact fees. A summary of capital improvement costs considered in the development of the wastewater impact fee is shown in Table 2-4 at the end of this section.
3. For the capital costs identified as transmission system upgrades, which benefit both existing and future users, the total cost of such improvements is recognized in the fee analysis. Since the transmission function capacity is difficult to ascertain except at "build-out" conditions, the total existing assets plus the planned expansions are recognized and divided by total treatment plant capacity, thus estimating an average "buy-in" cost for new users for this component of the System.
4. The level of service for a wastewater EDU is assumed to be 144 gallons per day (gpd) expressed on an average daily flow (ADF) basis based on: i) the residential per capita generation per the Bozeman Wastewater Collection Facilities Plan Update dated May 2015; and ii) the published 2.24 persons per household for the City per the United States Census.
5. For the development of the proposed impact fees, no existing or planned capital facility costs associated with collection facilities have been included in the calculation of the charge. Additionally, capital costs included in the development of the proposed impact fee



were reduced based upon amounts associated with grants received by the City and the anticipated retirement of certain existing assets.

6. In order to promote rational nexus provisions of the payment of the impact fees, a credit for an assumed level of debt (external capital) that is paid by utility rate revenues has been reflected in the determination of the fee. The calculation of the debt service credit is summarized on Table 2-6 at the end of this report. The purpose of the credit is to recognize that new growth will also pay monthly user charges (once such users become an active customer) which have a debt component included in the rates for service that is allocable to the construction of the growth-related projects. As such, it was assumed that a credit to the impact fee would be appropriate. It should be recognized that the impact fees are a pledged revenue for the repayment of debt and that the capacity of the existing facilities for which debt has been issued is essentially at full utilization and therefore fully-funded from existing users. Also the priority of use of the impact fees is to fund future capital improvements and thus limit the issuance of future debt (which also provides a benefit to the level of rates charged for monthly service). Additionally, all funds received from the wastewater impact fees are applied toward wastewater-related capital projects or expansion-related debt service requirements, thus providing rate benefit.

As shown on Table 2-5, the analysis utilizes estimated capital costs for the wastewater treatment/transmission system, EDU service requirements, and current fixed asset and plant capacity data for the wastewater system. By designing the wastewater impact fee to recover these costs, an attempt is made to design a fee on a reasonable basis in order to reflect the cost of capacity needed to meet the future growth of the wastewater system. It should be noted that in the event the construction costs, capacity requirements, or utility service area materially change from what is reflected on Table 2-5, the wastewater impact fee may need to be adjusted accordingly.

As shown on Table 2-5, the proposed wastewater impact fee is recommended to be \$1,584 per EDU. Based on the capital facilities associated with the determination of the charge, the functional breakdown of the components of the rate are as follows:

<b>Proposed Wastewater Impact Fee Per EDU [*]</b>			
	<u>Wastewater Treatment</u>	<u>Wastewater Transmission</u>	<u>Combined</u>
Calculated Amount	\$977.32	\$565.57	
Administrative Allowance @ 5.0%	<u>48.87</u>	<u>28.28</u>	
	\$1,026.19	\$593.85	
Recommended Fee Per EDU (Rounded)	<u>\$1,026.00</u>	<u>\$593.00</u>	<u>\$1,619.00</u>
Level of Service / Capacity Allocation Per EDU	144	144	144
Cost Per Gallon of Capacity	<u>\$7.13</u>	<u>\$4.12</u>	<u>\$11.24</u>

[\*] Amounts derived from Table 2-5.

## EQUIVALENT DWELLING UNIT DETERMINATION METHODOLOGY

The City currently provides wastewater service to residential and non-residential properties of the system. For residential wastewater service, the City charges a wastewater treatment impact fee based on the size of the residential home. For non-residential service, the City charges a wastewater treatment impact fee based on the size of the service meter. No changes to the application methodology are proposed, however, this study updates the demand coefficients or EDUs for each category of wastewater service based on the most recently available information from the City. The existing impact fee for the transmission component is currently charged per acre which does not adequately reflect the demand for wastewater transmission service. Therefore, PRMG recommends that the City apply the transmission component of the wastewater impact fee per EDU.

The City provided historical service demands by size of residential homes for the most recent two (2) fiscal years. The average service demands over the period for each category of residential properties were compared to the average demands for the typical residential dwelling unit, which includes residential homes between 1,801 to 2,000 square feet of living area. The following table summarizes the proposed EDUs per residential home based on recent data:

Lower Limit	Upper Limit	EDU Factor [1]
0	1,400	0.70
1,401	1,600	0.89
1,601	1,800	0.94
1,801	2,000	1.00
2,001	2,200	1.07
2,201	2,400	1.13
2,401	2,600	1.19
2,601	2,800	1.21
2,801	3,000	1.27
Above 3,000		1.35

[1] Amounts based on historical service demands provided by the City.

For non-residential properties, the City applies the wastewater treatment impact fee on a per meter equivalent approach. Under this method, the impact fees for wastewater service are based on rated meter capacity information published by AWWA (e.g., in the M6 manual entitled *Water Meters*). Based on an analysis of the non-residential service demands when compared to residential service, non-residential demands were 50% greater than the typical residential service. Therefore, the following table summarizes the proposed EDUs per non-residential meter sizes:

**(Remainder of page left intentionally left blank)**

**Equivalent Non-residential Units by Meter Size  
for City Wastewater System**

Meter Size	Rated Capacity (gallons per minute) [1]	EDU Factor [2]
3/4"	30	1.50
1"	50	2.50
1-1/2"	100	5.00
2"	160	8.00
3"	300	15.00

[1] Amounts based on water meter data published by AWWA.

[2] Amounts calculated by dividing the rated capacity (gallons per minute) for each meter size by the rated capacity for the smallest-sized 3/4" meter beginning at a factor of 1.50 since non-residential demands are approximately 50% greater than the typical residential service.

**PROPOSED WASTEWATER IMPACT FEE SCHEDULE**

Based on the proposed application methodology, the following wastewater impact fees are proposed:

**Proposed Residential Wastewater Impact Fees**

Square Feet of Living Area	Water Reclamation Plant Fee Per Unit	Transmission System Fee Per Unit
1400 or Less	\$718.00	\$415.00
1401 to 1600	913.00	528.00
1601 to 1800	964.00	558.00
1801 to 2000	1,026.00	593.00
2001 to 2200	1,098.00	635.00
2201 to 2400	1,159.00	671.00
2401 to 2600	1,221.00	706.00
2601 to 2800	1,241.00	718.00
2801 to 3000	1,303.00	754.00
3001 or More	1,385.00	801.00
Group Quarters Per Person	461.00	267.00

**Proposed Nonresidential Wastewater Impact Fees**

Meter Size	Water Reclamation Plant Fee Per Meter	Transmission System Fee Per Meter
0.75-inch	\$1,539.00	\$890.00
1-inch	2,565.00	1,484.00
1.5-inch	5,130.00	2,969.00
2-inch	8,209.00	4,750.00
3-inch	15,392.00	8,907.00
Above 3-inch	Calculated	Calculated

This schedule is also contained in Table ES-1 at the beginning of this report.

## **CONCLUSIONS AND RECOMMENDATIONS**

Based on our evaluation of the City's wastewater impact fees, PRMG offers the following conclusions and recommendations:

1. Pursuant to the analysis discussed herein, PRMG is of the opinion that the proposed wastewater impact fees are reasonable, are based on the requirements of Montana State Law, and reflect the City's capital cost of providing capacity based on the proposed level of service. As such, PRMG recommends that the City consider adjusting the existing wastewater impact fee to \$1,619 per EDU.
2. Consistent with the practices of the City, PRMG recommends that the City continue to apply the wastewater treatment portion of the residential impact fees based on the size of the residential home and non-residential impact fees based on the size of the service meter. For the transmission component of the wastewater impact fees, PRMG recommends that the City charge such fees on a consistent basis with the treatment component rather than on a per acre basis. The proposed schedule of wastewater impact fees is shown in Table ES-1 at the beginning of this report.

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**Table 2-1**

**City of Bozeman, Montana  
Wastewater Impact Fee Study**

**Development of Existing Wastewater Treatment Facility  
Capacity Available to Serve System Growth**

Line No.	Description	Wastewater System
	Existing Permitted Plant Capacity of System (MGD): [1]	
	<u>Wastewater System</u>	
1	Bozeman Water Reclamation Facility (WRF)	8.500
2	Total Production/Treatment	8.500
3	Peaking Factor	1.000
4	Adjustment to Reflect Average Daily Flow of Plant Capacity	0.000
5	Existing Plant Capacity of System - Average Daily Flow Basis (MGD) [1]	8.500
6	Average Daily Flow [2]	5.118
7	Remaining Capacity (ADF)	3.382
8	Percent of Total Capacity Allocable to Growth	39.78%
	Capital Costs of Production/Treatment Facilities:	
9	Existing City-Owned Facility Costs [3]	\$ 71,944,667
10	Additional Costs [4]	15,750,687
11	Less Assumed Retirements [4]	(459,430)
12	Less Grant Funds and Other Contributions [5]	(15,262,162)
13	Total Capital Costs of Existing Facilities	71,973,762
14	Estimated Amount Allocable to Incremental Growth	\$ 28,634,074

MGD = Million Gallons Per Day

ADF = Average Daily Flow

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Footnotes on following page.

**Table 2-1**

**City of Bozeman, Montana  
Wastewater Impact Fee Study**

**Development of Existing Wastewater Treatment Facility  
Capacity Available to Serve System Growth**

Footnotes:

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[1] Reflects ADF capacity of wastewater treatment facilities.

[2] Average daily flow data calculated as follows:

**Wastewater System:**

<u>Fiscal Year</u>	Total Wastewater Flow (MGD)
2013	4.586
2014	5.051
2015	4.892
2016	5.016
2017	5.118
Five-Year Maximum	<u>5.118</u>

[3] Derived from Appendix A, Line 693. Based on summary of utility asset records provided by the City.

[4] Derived from Table 2-4, Lines 14. Based on capital improvement program associated with upgrades, renewals, and replacements of the wastewater system.

[5] Derived from Appendix A, Line 695.

Table 2-2

City of Bozeman, Montana  
Wastewater Impact Fee Study

Multi-Year Estimated Capital Improvement Program Summary

Line No.	Project ID	Department	Description	Projected Fiscal Year Ending September 30,								Unscheduled	Total
				Budgeted 2018	Adjustments	Adjusted 2018	2019	2020	2021	2022	2023		
<b>WASTEWATER CAPITAL PROJECTS</b>													
<b>Wastewater Fund (Renewals, Replacements, and Upgrades)</b>													
1	PW04	Engineering	Property on Corner of Aspen and Rouse	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
2	WW07	Engineering	Annual Wastewater Pipe Replacement Program - Design	22,500	-	22,500	22,500	22,500	22,500	22,500	22,500	-	135,000
3	WW08-18	Engineering	Wastewater Pipe Replacement Program - Construction in 2018	1,000,000	-	1,000,000	-	-	-	-	-	-	1,000,000
4	WW08-19	Engineering	Wastewater Pipe Replacement Program - Construction in 2019	-	-	-	1,000,000	-	-	-	-	-	1,000,000
5	WW08-20	Engineering	Wastewater Pipe Replacement Program - Construction in 2020	-	-	-	-	1,000,000	-	-	-	-	1,000,000
6	WW08-21	Engineering	Wastewater Pipe Replacement Program - Construction in 2021	-	-	-	-	-	1,000,000	-	-	-	1,000,000
7	WW08-22	Engineering	Wastewater Pipe Replacement Program - Construction in 2022	-	-	-	-	-	-	1,000,000	-	-	1,000,000
8	WW08-23	Engineering	Wastewater Pipe Replacement Program - Construction in 2023	-	-	-	-	-	-	-	1,000,000	-	1,000,000
9	WW27	Engineering	Annual Watershed Study and Stream Modeling	60,000	-	60,000	60,000	60,000	60,000	60,000	60,000	-	360,000
10	GF227	Finance	ERP Replacement "Sungard Replacement/Upgrade"	-	-	-	-	-	-	-	-	333,333	333,333
12	PW05	Pubworks Admin	Public Works Shops Master Plan	-	-	-	20,000	-	-	-	-	-	20,000
13	PW06	Pubworks Admin	Public Works Shops Facility Construction	-	-	-	-	670,000	-	-	-	-	670,000
15	WW54	Wastewater Op	Replace #1783 - 1995 Ford Dump Truck	-	-	-	-	95,000	-	-	-	-	95,000
16	WW65	Wastewater Op	Digital Universal Camera (DUC)	70,000	-	70,000	-	-	-	-	-	-	70,000
17	WW86	Wastewater Op	Wheeled Excavator	-	-	-	-	-	-	-	-	151,000	151,000
18	WW86	Wastewater Op	Steerable Sewer TV Tractor	-	-	-	25,000	-	-	-	-	-	25,000
19	WW87	Wastewater Op	Sewer Flow Meters	-	-	-	35,000	-	-	-	-	-	35,000
20	WW39	WRF	Resurface and Repaint Clarifiers	90,000	-	90,000	320,000	-	-	-	-	-	410,000
22	WW45	WRF	Final and Secondary Clarifier Launder Covers	200,000	-	200,000	-	-	-	-	-	-	200,000
23	WW49	WRF	Roll-Off Storage Building Construction and Possible 2nd Screw Press Enclosure	600,000	-	600,000	1,500,000	-	-	-	-	-	2,100,000
24	WW50	WRF	Refrigerated Automatic Sampler	10,000	-	10,000	-	-	-	-	-	-	10,000
25	WW53	WRF	Positive Displacement Lobe Pumps	50,000	-	50,000	-	-	-	-	-	-	50,000
26	WW58	WRF	Chip Seal and Topcoat WRF Asphalt	-	-	-	55,000	-	-	-	-	-	55,000
27	WW66	WRF	Odor Control for Old Pretreatment Building	40,000	-	40,000	-	-	-	-	-	-	40,000
28	WW69	WRF	WRF Facility R&R	50,000	-	50,000	75,000	100,000	100,000	100,000	100,000	-	525,000
29	WW70	WRF	WRF Facility Engineering and Optimization	50,000	-	50,000	50,000	50,000	50,000	50,000	50,000	-	300,000
30	WW71	WRF	WRF Facility Master Plan Update	250,000	-	250,000	-	-	-	-	-	-	250,000
31	WW76	WRF	Third Pretreatment Screen	-	-	-	-	-	500,000	-	-	-	500,000
32	WW78	WRF	Server Replacement at WRF (Wrfctrlbak)	-	-	-	-	-	-	10,000	-	-	10,000
34	WW80	WRF	Lagoon Valve Replacement in Lift #3	50,000	-	50,000	-	-	-	-	-	-	50,000
35	WW81	WRF	Membrane Roof Replacement on Old Digester Building (Dig 1 & 2)	60,000	-	60,000	-	-	-	-	-	-	60,000
36	WW83	WRF	Ufat Gravity Thickener Drive and Arms Replacement	-	-	-	-	-	-	400,000	-	-	400,000
37	WW84	WRF	Server Replacement at WRF (Wrfctrlpri)	-	-	-	-	-	-	10,000	-	-	10,000
38	WW85	WRF	WRF Process Upgrades to Improve Nutrient Recovery	-	-	-	-	-	-	-	-	12,000,000	12,000,000
39	WW88	WRF	Re-Tube Boiler	-	-	-	-	25,000	-	-	-	-	25,000
40	WW89	WRF	HVAC Heat Loop Optimization	-	-	-	250,000	-	-	-	-	-	250,000
41			Subtotal - Wastewater Fund (Renewals, Replacements, and Upgrades)	\$ 2,702,500	\$ -	\$ 2,702,500	\$ 3,412,500	\$ 2,022,500	\$ 1,732,500	\$ 1,652,500	\$ 1,232,500	\$ 12,484,333	\$ 25,239,333
<b>Wastewater Impact Fees (Growth Projects)</b>													
42	WWIF11	WW Impact Fee	Front Street Interceptor	\$ -	\$ -	\$ -	\$ 2,185,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,185,000
43	WWIF20	WW Impact Fee	N Frontage Rd Interceptor	-	-	-	-	-	-	-	5,290,000	-	5,290,000
44	WWIF22	WW Impact Fee	Davis Fowler Interceptor	-	-	-	-	-	-	-	-	778,035	778,035
45	WWIF24	WW Impact Fee	Davis Lane (Lift Station)	-	-	-	5,800,000	-	-	-	-	-	5,800,000
46	WWIF27	WW Impact Fee	South University District/Cattail Creek Basin - S 15th Ave to Willow Way to W Lincoln St	795,000	-	795,000	-	-	-	-	-	-	795,000
47	WWIF31	WW Impact Fee	Davis Ln Lift Station, Interceptor, and Force Main	645,000	-	645,000	-	-	-	-	-	-	645,000
48	WWIF32	WW Impact Fee	Hidden Valley (Lift Station)	-	-	-	-	-	-	-	-	5,190,000	5,190,000
49	WWIF33	WW Impact Fee	Davis Ln Lift Station Debt Service (WWIF24)	-	-	-	-	370,300	370,300	370,300	370,300	370,300	1,851,500
50	WWIF34	WW Impact Fee	Annie Street Sanitary Sewer Upgrade	-	-	-	-	-	-	-	-	300,000	300,000
51	WWIF35	WW Impact Fee	Babcock Sanitary Sewer Upgrade	-	-	-	-	245,000	-	-	-	-	245,000
52	WWIF36	WW Impact Fee	Baxter Creek Basin- Cottonwood Road 18" Sanitary Sewer Extensions	-	-	-	640,000	-	-	-	-	-	640,000
53	WWIF37	WW Impact Fee	Hunters Way Sewer Capacity Upgrade	-	-	-	-	350,000	-	-	-	-	350,000
54	WWIF38	WW Impact Fee	Norton East Ranch Outfall Diversion & Interceptor	-	-	-	-	5,320,000	-	-	-	-	5,320,000

**Table 2-2**  
**City of Bozeman, Montana**  
**Wastewater Impact Fee Study**

**Multi-Year Estimated Capital Improvement Program Summary**

Line No.	Project ID	Department	Description	Projected Fiscal Year Ending September 30,								Unscheduled	Total	
				Budgeted 2018	Adjustments	Adjusted 2018	2019	2020	2021	2022	2023			
55	WWIF39	WW Impact Fee	Renova Street Sanitary Sewer Main Upgrade	-	-	-	-	-	-	-	-	-	16,000	16,000
56	WWIF40	WW Impact Fee	Front Street Interceptor Debt Service (WWIF11)	-	-	-	-	139,497	139,497	139,497	139,497	139,497	139,497	697,485
57	WWIF41	WW Impact Fee	Norton East Ranch Outfall Diversion Debt Service (WWIF38)	-	-	-	-	-	211,960	211,960	211,960	211,960	211,960	847,840
58			Subtotal - Wastewater Impact Fees (Growth Projects)	\$ 1,440,000	\$ -	\$ 1,440,000	\$ 8,625,000	\$ 6,424,797	\$ 721,757	\$ 721,757	\$ 6,011,757	\$ 7,005,792	\$ 30,950,860	
59			<b>TOTAL WASTEWATER CAPITAL PROJECTS</b>	<b>\$ 4,142,500</b>	<b>\$ -</b>	<b>\$ 4,142,500</b>	<b>\$ 12,037,500</b>	<b>\$ 8,447,297</b>	<b>\$ 2,454,257</b>	<b>\$ 2,374,257</b>	<b>\$ 7,244,257</b>	<b>\$ 19,490,125</b>	<b>\$ 56,190,193</b>	



Table 2-3

City of Bozeman, Montana  
Wastewater Impact Fee Study

Summary of Capital Improvement Program By Plant Function

Line No.	Project ID	Project Description	Estimated Total Capital Cost [1]	Adjustments to Remove General-Related Project Costs [2]	Adjustments to Remove Debt Service Placeholders [3]	Adjustments to Remove Project Costs Considered 100% Allocable to Existing Users	Net Amount For Future Expenditures	Allocation Reference	Functional Category		
									Treatment	Transmission	Collection
<b>WASTEWATER CAPITAL IMPROVEMENT PROGRAM</b>											
<b>Wastewater Fund (Renewals, Replacements, and Upgrades)</b>											
1	PW04	Property on Corner of Aspen and Rouse	\$100,000	\$0	\$0	\$0	\$100,000	Collection	\$0	\$0	\$100,000
2	WW07	Annual Wastewater Pipe Replacement Program - Design	135,000	0	0	0	135,000	Transmission	0	135,000	0
3	WW08-18	Wastewater Pipe Replacement Program - Construction in 2018	1,000,000	0	0	0	1,000,000	Transmission	0	1,000,000	0
4	WW08-19	Wastewater Pipe Replacement Program - Construction in 2019	1,000,000	0	0	0	1,000,000	Transmission	0	1,000,000	0
5	WW08-20	Wastewater Pipe Replacement Program - Construction in 2020	1,000,000	0	0	0	1,000,000	Transmission	0	1,000,000	0
6	WW08-21	Wastewater Pipe Replacement Program - Construction in 2021	1,000,000	0	0	0	1,000,000	Transmission	0	1,000,000	0
7	WW08-22	Wastewater Pipe Replacement Program - Construction in 2022	1,000,000	0	0	0	1,000,000	Transmission	0	1,000,000	0
8	WW08-23	Wastewater Pipe Replacement Program - Construction in 2023	1,000,000	0	0	0	1,000,000	Transmission	0	1,000,000	0
9	WW27	Annual Watershed Study and Stream Modeling	360,000	(360,000)	0	0	0	N/A	0	0	0
10	GF227	ERP Replacement "Sungard Replacement/Upgrade"	333,333	0	0	0	333,333	S-Assets	130,687	72,625	130,021
11	PW05	Public Works Shops Master Plan	20,000	0	0	0	20,000	Collection	0	0	20,000
12	PW06	Public Works Shops Facility Construction	670,000	0	0	0	670,000	Collection	0	0	670,000
13	WW54	Replace #1783 - 1995 Ford Dump Truck	95,000	(95,000)	0	0	0	N/A	0	0	0
14	WW65	Digital Universal Camera (DUC)	70,000	(70,000)	0	0	0	N/A	0	0	0
15	WW86	Wheeled Excavator	151,000	(151,000)	0	0	0	N/A	0	0	0
16	WW86	Steerable Sewer TV Tractor	25,000	(25,000)	0	0	0	N/A	0	0	0
17	WW87	Sewer Flow Meters	35,000	(35,000)	0	0	0	Collection	0	0	0
18	WW39	Resurface and Repaint Clarifiers	410,000	0	0	(410,000)	0	N/A	0	0	0
19	WW45	Final and Secondary Clarifier Launder Covers	200,000	0	0	0	200,000	Treatment	200,000	0	0
20	WW49	Roll-Off Storage Building Construction and Possible 2nd Screw Press Enclosure	2,100,000	0	0	0	2,100,000	Treatment	2,100,000	0	0
21	WW50	Refrigerated Automatic Sampler	10,000	0	0	0	10,000	Treatment	10,000	0	0
22	WW53	Positive Displacement Lobe Pumps	50,000	0	0	0	50,000	Treatment	50,000	0	0
23	WW58	Chip Seal and Topcoat WRF Asphalt	55,000	0	0	(55,000)	0	N/A	0	0	0
24	WW66	Odor Control for Old Pretreatment Building	40,000	(40,000)	0	0	0	N/A	0	0	0
25	WW69	WRF Facility R&R	525,000	0	0	(525,000)	0	N/A	0	0	0
26	WW70	WRF Facility Engineering and Optimization	300,000	(300,000)	0	0	0	N/A	0	0	0
27	WW71	WRF Facility Master Plan Update	250,000	(250,000)	0	0	0	N/A	0	0	0
28	WW76	Third Pretreatment Screen	500,000	0	0	0	500,000	Treatment	500,000	0	0
29	WW78	Server Replacement at WRF (Wrfctrlbak)	10,000	(10,000)	0	0	0	N/A	0	0	0
30	WW80	Lagoon Valve Replacement in Lift #3	50,000	0	0	0	50,000	Treatment	50,000	0	0
31	WW81	Membrane Roof Replacement on Old Digester Building (Dig 1 & 2)	60,000	0	0	0	60,000	Treatment	60,000	0	0
32	WW83	Ufat Gravity Thickener Drive and Arms Replacement	400,000	0	0	0	400,000	Treatment	400,000	0	0
33	WW84	Server Replacement at WRF (Wrfctrlpri)	10,000	(10,000)	0	0	0	N/A	0	0	0
34	WW85	WRF Process Upgrades to Improve Nutrient Recovery	12,000,000	0	0	0	12,000,000	Treatment	12,000,000	0	0
35	WW88	Re-Tube Boiler	25,000	(25,000)	0	0	0	N/A	0	0	0
36	WW89	HVAC Heat Loop Optimization	250,000	0	0	0	250,000	Treatment	250,000	0	0
37		Subtotal - Wastewater Fund (Renewals, Replacements, and Upgrades)	\$25,239,333	(\$1,371,000)	\$0	(\$990,000)	\$22,878,333		\$15,750,687	\$6,207,625	\$920,021

Table 2-3

City of Bozeman, Montana  
Wastewater Impact Fee Study

**Summary of Capital Improvement Program By Plant Function**

Line No.	Project ID	Project Description	Estimated Total Capital Cost [1]	Adjustments to Remove General-Related Project Costs [2]	Adjustments to Remove Debt Service Placeholders [3]	Adjustments to Remove Project Costs Considered 100% Allocable to Existing Users	Net Amount For Future Expenditures	Allocation Reference	Functional Category		
									Treatment	Transmission	Collection
<b>Wastewater Impact Fees (Growth Projects)</b>											
38	WWIF11	Front Street Interceptor	\$2,185,000	\$0	\$0	\$0	\$2,185,000	Transmission	\$0	\$2,185,000	\$0
39	WWIF20	N Frontage Rd Interceptor	5,290,000	0	0	0	5,290,000	Transmission	0	5,290,000	0
40	WWIF22	Davis Fowler Interceptor	778,035	0	0	0	778,035	Transmission	0	778,035	0
41	WWIF24	Davis Lane (Lift Station)	5,800,000	0	0	0	5,800,000	Transmission	0	5,800,000	0
42	WWIF27	South University District/Cattail Creek Basin - S 15th Ave to Willow Way to W Lincoln St	795,000	0	0	0	795,000	Collection	0	0	795,000
43	WWIF31	Davis Ln Lift Station, Interceptor, and Force Main	645,000	0	0	0	645,000	Transmission	0	645,000	0
44	WWIF32	Hidden Valley (Lift Station)	5,190,000	0	0	0	5,190,000	Transmission	0	5,190,000	0
45	WWIF33	Davis Ln Lift Station Debt Service (WWIF24)	1,851,500	0	(1,851,500)	0	0	Transmission	0	0	0
46	WWIF34	Annie Street Sanitary Sewer Upgrade	300,000	0	0	0	300,000	Transmission	0	300,000	0
47	WWIF35	Babcock Sanitary Sewer Upgrade	245,000	0	0	0	245,000	Transmission	0	245,000	0
48	WWIF36	Baxter Creek Basin- Cottonwood Road 18" Sanitary Sewer Extensions	640,000	0	0	0	640,000	Transmission	0	640,000	0
49	WWIF37	Hunters Way Sewer Capacity Upgrade	350,000	0	0	0	350,000	Transmission	0	350,000	0
50	WWIF38	Norton East Ranch Outfall Diversion & Interceptor	5,320,000	0	0	0	5,320,000	Transmission	0	5,320,000	0
51	WWIF39	Renova Street Sanitary Sewer Main Upgrade	16,000	0	0	0	16,000	Transmission	0	16,000	0
52	WWIF40	Front Street Interceptor Debt Service (WWIF11)	697,485	0	(697,485)	0	0	Transmission	0	0	0
53	WWIF41	Norton East Ranch Outfall Diversion Debt Service (WWIF38)	847,840	0	(847,840)	0	0	Transmission	0	0	0
54		Subtotal - Wastewater Impact Fees (Growth Projects)	\$30,950,860	\$0	(\$3,396,825)	\$0	\$27,554,035		\$0	\$26,759,035	\$795,000
55		TOTAL WASTEWATER CAPITAL IMPROVEMENT PROGRAM	\$56,190,193	(\$1,371,000)	(\$3,396,825)	(\$990,000)	\$50,432,368		\$15,750,687	\$32,966,660	\$1,715,021

**Footnotes:**

- [1] Amounts reflect total cost as contained in the multi-year capital improvement program provided by the City.
- [2] Adjustments to exclude vehicles, equipment, and items that might be classified as operating expenses.
- [3] The project costs anticipated to be financed with debt are reflected under other project ID's.

Table 2-4

**City of Bozeman, Montana  
Wastewater Impact Fee Study**

**Summary of Capital Improvement Program Recognized in Wastewater System Impact Fees**

Line No.	Project ID	Project Description	Adjusted Project Cost [1]	Project Status	Assumed Original In-Service Date [2]	Estimated Original Cost [3]	Amount Recognized [4]			Percent to Recognize for Expansion
							New Facilities / Upgrades [5]	Expansion	Future / Direct	
<b>WASTEWATER TREATMENT PROJECTS</b>										
<b>Wastewater Fund (Renewals, Replacements, and Upgrades)</b>										
1	GF227	ERP Replacement "Sungard Replacement/Upgrade"	\$130,687	Upgrade	1999	\$66,031	\$130,687	\$0	\$0	0.00%
2	WW45	Final and Secondary Clarifier Launder Covers	200,000	Upgrade	N/A	0	200,000	0	0	0.00%
3	WW49	Roll-Off Storage Building Construction and Possible 2nd Screw Press Enclosure	2,100,000	Upgrade	N/A	0	2,100,000	0	0	0.00%
4	WW50	Refrigerated Automatic Sampler	10,000	Upgrade	N/A	0	10,000	0	0	0.00%
5	WW53	Positive Displacement Lobe Pumps	50,000	Replacement	2002	27,851	50,000	0	0	0.00%
6	WW76	Third Pretreatment Screen	500,000	Reliability	N/A	0	500,000	0	0	0.00%
7	WW80	Lagoon Valve Replacement in Lift #3	50,000	Upgrade	2003	28,771	50,000	0	0	0.00%
8	WW81	Membrane Roof Replacement on Old Digester Building (Dig 1 & 2)	60,000	Replacement	2007	39,320	60,000	0	0	0.00%
9	WW83	Ufat Gravity Thickener Drive and Arms Replacement	400,000	Replacement	1985	128,210	400,000	0	0	0.00%
10	WW85	WRF Process Upgrades to Improve Nutrient Recovery	12,000,000	Upgrade	N/A	0	12,000,000	0	0	0.00%
11	WW89	HVAC Heat Loop Optimization	250,000	Upgrade	2008	169,247	250,000	0	0	0.00%
12		Subtotal - Wastewater Fund (Renewals, Replacements, and Upgrades)	\$15,750,687			\$459,430	\$15,750,687	\$0	\$0	0.00%
<b>Wastewater Impact Fees (Growth Projects)</b>										
13		Subtotal - Wastewater Impact Fees (Growth Projects)	\$0			\$0	\$0	\$0	\$0	0.00%
14		Total Wastewater Treatment Projects	\$15,750,687			\$459,430	\$15,750,687	\$0	\$0	0.00%
<b>WASTEWATER TRANSMISSION PROJECTS</b>										
<b>Wastewater Fund (Renewals, Replacements, and Upgrades)</b>										
15	WW07	Annual Wastewater Pipe Replacement Program - Design	\$135,000	Replacement	1948	\$12,996	\$135,000	\$0	\$0	0.00%
16	WW08-18	Wastewater Pipe Replacement Program - Construction in 2018	1,000,000	Replacement	1948	96,269	1,000,000	0	0	0.00%
17	WW08-19	Wastewater Pipe Replacement Program - Construction in 2019	1,000,000	Replacement	1948	96,269	1,000,000	0	0	0.00%
18	WW08-20	Wastewater Pipe Replacement Program - Construction in 2020	1,000,000	Replacement	1948	96,269	1,000,000	0	0	0.00%
19	WW08-21	Wastewater Pipe Replacement Program - Construction in 2021	1,000,000	Replacement	1948	96,269	1,000,000	0	0	0.00%
20	WW08-22	Wastewater Pipe Replacement Program - Construction in 2022	1,000,000	Replacement	1948	96,269	1,000,000	0	0	0.00%
21	WW08-23	Wastewater Pipe Replacement Program - Construction in 2023	1,000,000	Replacement	1948	96,269	1,000,000	0	0	0.00%
22	GF227	ERP Replacement "Sungard Replacement/Upgrade"	72,625	Upgrade	1999	36,695	72,625	0	0	0.00%
23		Subtotal - Wastewater Fund (Renewals, Replacements, and Upgrades)	\$6,207,625			\$627,304	\$6,207,625	\$0	\$0	0.00%
<b>Wastewater Impact Fees (Growth Projects)</b>										
24	WWIF11	Front Street Interceptor	\$2,185,000	New	N/A	N/A	\$2,185,000	\$0	\$0	0.00%
25	WWIF20	N Frontage Rd Interceptor	5,290,000	Upgrade	1969	1,007,918	5,290,000	0	0	0.00%
26	WWIF22	Davis Fowler Interceptor	778,035	Upgrade	2006	493,564	778,035	0	0	0.00%
27	WWIF24	Davis Lane (Lift Station)	5,800,000	New	N/A	N/A	5,800,000	0	0	0.00%
28	WWIF31	Davis Ln Lift Station, Interceptor, and Force Main	645,000	New	N/A	N/A	645,000	0	0	0.00%
29	WWIF32	Hidden Valley (Lift Station)	5,190,000	New	N/A	N/A	5,190,000	0	0	0.00%
30	WWIF34	Annie Street Sanitary Sewer Upgrade	300,000	Upgrade	2007	196,600	300,000	0	0	0.00%
31	WWIF35	Babcock Sanitary Sewer Upgrade	245,000	Upgrade	2007	160,557	245,000	0	0	0.00%
32	WWIF36	Baxter Creek Basin- Cottonwood Road 18" Sanitary Sewer Extensions	640,000	New	N/A	N/A	640,000	0	0	0.00%
33	WWIF37	Hunters Way Sewer Capacity Upgrade	350,000	Upgrade	1994	150,312	350,000	0	0	0.00%

Table 2-4

City of Bozeman, Montana  
Wastewater Impact Fee Study

Summary of Capital Improvement Program Recognized in Wastewater System Impact Fees

Line No.	Project ID	Project Description	Adjusted Project Cost [1]	Project Status	Assumed Original In-Service Date [2]	Estimated Original Cost [3]	Amount Recognized [4]			Percent to Recognize for Expansion
							New Facilities / Upgrades [5]	Expansion	Future / Direct	
34	WWIF38	Norton East Ranch Outfall Diversion & Interceptor	5,320,000	New	N/A	N/A	5,320,000	0	0	0.00%
35	WWIF39	Renova Street Sanitary Sewer Main Upgrade	16,000	Upgrade	1998	7,826	16,000	0	0	0.00%
36		Subtotal - Wastewater Impact Fees (Growth Projects)	<u>\$26,759,035</u>			<u>\$2,016,776</u>	<u>\$26,759,035</u>	<u>\$0</u>	<u>\$0</u>	<u>0.00%</u>
37		Total Wastewater Transmission Projects	<u>\$32,966,660</u>			<u>\$2,644,081</u>	<u>\$32,966,660</u>	<u>\$0</u>	<u>\$0</u>	<u>0.00%</u>
38		TOTAL WASTEWATER PROJECTS	<u><u>\$48,717,347</u></u>			<u><u>\$3,103,511</u></u>	<u><u>\$48,717,347</u></u>	<u><u>\$0</u></u>	<u><u>\$0</u></u>	<u><u>0.00%</u></u>

Footnotes on following page.

Table 2-4

City of Bozeman, Montana  
Wastewater Impact Fee Study

Summary of Capital Improvement Program Recognized in Wastewater System Impact Fees

Footnotes:

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- [1] Amounts shown are derived from Table 2-3 and do not include any capital expenditures classified as distribution-related or collection-related.
- [2] Original in-service date is based on discussions with City staff regarding the approximate age of assets being upgraded or replaced.
- [3] Amount shown was determined by discounting the projected (replacement) cost by an inflationary factor as measured by the Engineering News-Record (ENR) Construction Cost Index applied to the estimated number of years in service.
- [4] For any replacement projects recognized in fee, amount derived by subtracting the estimated original cost from the new project cost (net asset addition).
- [5] Represents asset additions to be installed by the City that will upgrade and improve facilities. Such assets do not represent a replacement.

Note: With respect to capital projects associated with plant upgrades, the following were assumed:

**New** = Project designated for capacity expansion only.

**Upgrade** = Project designated to improve existing capacity facilities.

**Replacement** = Project which removes original asset from service but necessary for providing service to City customers.

**Relocate** = Project which removes original asset from service, and usually replaces it with an asset designated for capacity expansion.

**Redundancy** = Project which provides redundancy to existing capacity and not an increase in capacity to serve new growth.

**Reliability** = Project which provides additional reliability to existing capacity and not an increase in capacity to serve new growth.

**Future** = Reflects project which extends beyond the planning horizon in this report.

**System** = Project that benefits existing, expansion and future customers.

**Direct** = Reflects projects which directly relate to specific customer base and not System cost.

Table 2-5

**City of Bozeman, Montana  
Wastewater Impact Fee Study**

**Development of Wastewater System Impact Fee**

Line No.	Description	Amount
	Total Estimated Cost of Existing Wastewater	
	Treatment/Disposal Facilities:	
1	Existing Facilities [1]	\$ 71,944,667
2	Additional Costs Capitalized to Plant in Service [2]	15,750,687
3	Less Anticipated Retirements [3]	(459,430)
4	Less Grant Funds and Other Contributions [4]	(15,262,162)
5	Subtotal Wastewater Treatment/Disposal Facilities	<u>\$ 71,973,762</u>
6	Existing Nominal Plant Capacity (MGD) (Three-Month Average Daily Flow) [5]	8.500
7	Existing Plant Capacity (MGD) (Average Daily Flow) [5]	8.500
8	EDU Factor - GPD	144
9	Estimated EDUs to be Served By Existing Facilities	59,028
10	Percent Remaining Capacity of Existing Facilities [6]	39.78%
11	Allocation of Existing Facilities to Incremental Growth	\$ 28,634,074
18	Rate per EDU Allocable to Wastewater Treatment/Disposal Facilities [10]	\$ 1,219.32
19	Less Debt Service Credit	(242.00)
20	Adjusted Rate per EDU Allocable to Wastewater Treatment / Disposal Facilities	<u>\$ 977.32</u>
21	Administrative Allowance @ 5.0%	<u>\$ 48.87</u>
22	Rate per EDU Associated with Existing Facilities with Administrative Allowance	<u>\$ 1,026.19</u>
23	Rounded Rate per EDU Associated with Existing Facilities with Administrative Allowance	\$ 1,026.00
24	Cost per Gallon Associated with Existing Facilities Without Administrative Allowance	\$ 8.47
25	Cost per Gallon Associated with Existing Facilities With Administrative Allowance	\$ 8.89
26	Cost per Gallon Associated with Existing Facilities Without Administrative Allowance Less Debt Service Credit	\$ 6.79
27	Cost per Gallon Associated with Existing Facilities With Administrative Allowance Less Debt Service Credit	\$ 7.13
	Major Transmission System: [7]	
28	Existing Facilities [8]	\$ 39,980,801
29	Additional Costs Capitalized to Plant in Service [9]	32,966,660
30	Less Anticipated Retirements [10]	(2,644,081)
31	Less Receipt of Grant Funds and Other Contributions [4]	(35,856,343)
32	Total Major Transmission Facility Costs	<u>\$ 34,447,038</u>
33	Estimated Plant Capacity (MGD) (Average Daily Flow) [11]	8.500
34	EDU Factor - GPD	144
35	Estimated ERCs served by Transmission Facilities [12]	59,028
36	Rate per EDU of Major Transmission Facilities	\$ 583.57
37	Less Debt Service Credit	(18.00)
38	Adjusted Rate per EDU Allocable to Major Transmission Facilities	<u>\$ 565.57</u>
39	Administrative Fee @ 5.0%	<u>\$ 28.28</u>
40	Rate per EDU Associated with Major Transmission Facilities with Administrative Allowance	<u>\$ 593.85</u>
41	Rounded Rate per EDU Associated with Major Transmission Facilities with Administrative Allowance	\$ 593.00
42	Cost per Gallon of Major Transmission Facilities Without Administrative Allowance	\$ 4.05
43	Cost per Gallon of Major Transmission Facilities With Administrative Allowance	\$ 4.26
44	Cost per Gallon Associated with Existing Facilities Without Administrative Allowance Less Debt Service Credit	\$ 3.93
45	Cost per Gallon Associated with Existing Facilities With Administrative Allowance Less Debt Service Credit	\$ 4.12
46	Combined Cost per Gallon Without Administrative Allowance	\$ 12.52
47	Combined Cost per Gallon With Administrative Allowance	\$ 13.15
48	Combined Cost per Gallon Without Administrative Allowance Less Debt Service Credit	\$ 10.71
49	Combined Cost per Gallon With Administrative Allowance Less Debt Service Credit	\$ 11.24
50	Combined Rate per EDU	<u><u>\$ 1,619.00</u></u>
	MGD = Million-Gallons-Per-Day	
	EDU = Equivalent Dwelling Unit	
	GPD = Gallons Per Day	

Footnotes on following page.

Table 2-5

**City of Bozeman, Montana  
Wastewater Impact Fee Study**

**Development of Wastewater System Impact Fee**

Footnotes:

- [1] Amount reflects estimated City-owned wastewater treatment and effluent disposal assets currently in service based on utility asset records provided by the City. Amounts derived from Appendix A, Line 693.
- [2] Amount shown derived from Table 2-4, Line 14; reflects net recognized additions to the wastewater treatment and effluent disposal facilities where applicable.
- [3] Amount derived from Table 2-4, Line 14 and reflects estimated treatment utility asset retirements due to imposition of the capital improvement plan of the City's utility system.
- [4] Appendix A, Line 695 and Table 2-3 show adjustments for capital costs funded from contributed capital. Such costs were not included in the impact fee calculations.
- [5] Amount shown derived from Table 2-1, Line 5.
- [6] Amount shown derived from Table 2-1, Line 8.
- [7] Amounts do not include the estimated costs of retail on-site capital expenditures such as manholes, local lift stations, service laterals, and on-site (local) collection utility plant facilities or general plant assets (vehicles, equipment, etc.) or general transmission lines; such costs are: i) generally provided by the developer or owners of property which specifically benefit from such facilities; or ii) funded by a separate and distinct fee (e.g., wastewater tap charge).
- [8] Amount reflects cost of wastewater transmission and master pumping station utility plant in service based on utility asset records provided by the City. Amounts derived from Appendix A, Line 693.
- [9] Amount shown derived from Table 2-4, Line 37; reflects net recognized additions to the wastewater transmission facilities where applicable.
- [10] Amount derived from Table 2-4, Line 37 and reflects estimated transmission utility asset retirements due to imposition of the capital improvement plan of the City's utility system.
- [11] Reflects total estimated plant capacity for the forecast period for the wastewater service area based on capacity planning estimates. Amount calculated as follows:

	<u>Amount</u>
Existing Capacity (MGD-ADF)	8.500
Capacity to Be Added During Forecast Period: FY 2018 - 2023 (MGD-ADF)	0.000
Total Projected Capacity Needs	8.500

**Table 2-6**

**City of Bozeman, Montana  
Water Impact Fee Study**

**Calculation of Debt Service Credit - Wastewater System**

Line No.		Fiscal Year 2017
1	Total Outstanding Debt Allocable to Wastewater System [1]	\$ 17,856,000
2	Total Gross Wastewater Plant in Service [2]	\$ 193,300,074
3	Less Contributed and Grant-Funded Assets	<u>(122,528,799)</u>
4	Net Gross Wastewater Plant in Service	\$ 70,771,275
	Existing Utility Plant Asset Allocation:	
	Treatment and Disposal	
5	Reported Functional Assets [2]	\$ 71,944,667
6	Less Contributed and Grant-Funded Functional Assets [2]	<u>(15,262,162)</u>
7	Net Reported Functional Assets [2]	\$ 56,682,505
8	Percent of Net Gross Wastewater Plant in Service	80.09%
	Transmission	
9	Reported Functional Assets [2]	\$ 39,980,801
10	Less Contributed and Grant-Funded Functional Assets [2]	<u>(35,856,343)</u>
11	Net Reported Functional Assets [2]	\$ 4,124,459
12	Percent of Net Gross Wastewater Plant in Service	5.83%
	Allocated Debt Associated with Function:	
13	Treatment and Disposal	\$ 14,301,322
14	Transmission	<u>1,040,625</u>
15	Total	\$ 15,341,947
16	Estimated Annual Average EDUs [3]	59,028
17	Rounded Debt Service Credit Expressed Per EDU (@ 144 gallons per day per EDU)	<u><u>\$260</u></u>
18	Debt Service Credit Per EDU - Treatment and Disposal Component	\$242
19	Debt Service Credit Per EDU - Transmission Component	18

**Footnotes:**

- 
- [1] Amount derived from Page 74 of City's Comprehensive Annual Financial Report for the Fiscal Year Ended June 30, 2017.
- [2] Amounts derived from Appendix A.
- [3] Based on relationship of total capacity of existing service area and the level of service assumed for a wastewater system EDU.



**APPENDIX A**  
**CLASSIFICATION OF EXISTING**  
**WASTEWATER UTILITY SYSTEM ASSETS**

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**City of Bozeman, Montana  
Wastewater Impact Fee Study**

**Classification of Existing Wastewater Utility System Assets [1]**

Line No.	Description	Asset ID	Type	Location	Acquired	Acquired Date	Asset Cost	Adj. Acq. Amt.	Wastewater System				General Plant	
									Treatment	Trans.	Collection			
<b><u>Wastewater Utility Assets as of June 30, 2017 [1]</u></b>														
1	Roller	11101	M&E	Water Operations	PURCHASED	7/1/1998	\$ 4,395	\$ -	\$ 4,395	\$ -	\$ -	\$ -	\$ -	\$ 4,395
2	Generator On Truck#1118	12141	M&E	Laurel Glen	PURCHASED	7/1/1998	3,612	-	3,612	-	-	-	-	3,612
3	Compactor	13131	M&E	Water Operations	PURCHASED	7/1/1998	2,938	-	2,938	-	-	-	-	2,938
4	Air Compressor	15881	M&E	Water Operations	PURCHASED	7/1/1998	3,495	-	3,495	-	-	-	-	3,495
5	Trench Box	18051	M&E	Water Operations	PURCHASED	7/1/1998	5,335	-	5,335	-	-	-	-	5,335
6	Prof Building Remodel Srvc Thru 3/25/16-Mar Expds	262058	BLD	Professional Building	PURCHASED	3/25/2016	5,281	-	5,281	-	-	-	-	5,281
7	Prof Building Remodel Srvc Thru 4/05/16-Apr Expds	262060	BLD	Professional Building	PURCHASED	4/5/2016	736	-	736	-	-	-	-	736
8	Prof Building Remodel Srvc -May Expds	262064	BLD	Professional Building	PURCHASED	5/13/2016	38,560	-	38,560	-	-	-	-	38,560
9	Prof Building Remodel Srvc -June Expds Fy16	262066	BLD	Professional Building	PURCHASED	6/25/2016	33,651	-	33,651	-	-	-	-	33,651
10	Prof Building Remodel Srvc:Retainage:Fy16	262067	BLD	Professional Building	PURCHASED	6/30/2016	4,930	-	4,930	-	-	-	-	4,930
11	Prof Building Remodel Srvc -Oct Expds Fy17	262071	BLD	Professional Building	PURCHASED	10/1/2016	1,799	-	1,799	-	-	-	-	1,799
12	Prof Bldg Upgrade Phase 1	262075	BLD	Professional Building	PURCHASED	1/1/2017	115	-	115	-	-	-	-	115
13	City Shops Paving Project:August Expds	29213	BLD	City Shops	PURCHASED	8/31/2016	71,931	-	71,931	-	-	-	-	71,931
14	City Shops Paving Project:September Expds	29217	BLD	City Shops	PURCHASED	9/1/2016	7,155	-	7,155	-	-	-	-	7,155
15	Burrap Plan Review Proj	30699	BLD	Wastewater Operation	PURCHASED	4/25/2016	315	-	315	-	-	-	-	315
16	Burrap Plan Review Proj-May Expds	306910	BLD	Wastewater Operation	PURCHASED	5/12/2016	2,250	-	2,250	-	-	-	-	2,250
17	Burrap Plan Review Proj-June Expds	306911	BLD	Wastewater Operation	PURCHASED	6/30/2016	3,257	-	3,257	-	-	-	-	3,257
18	Burrap Lift Station Imp Proj:July Expds Fy17	306912	BLD	Wastewater Operation	PURCHASED	7/31/2016	94,725	-	94,725	-	-	94,725	-	-
19	Burrap Lift Station Imp Proj:Sept Expds Fy17	306913	BLD	Wastewater Operation	PURCHASED	9/1/2016	1,141	-	1,141	-	-	1,141	-	-
20	Pole Bldg-Water/Sewer/Streets(Heater):March Expd'S	32626	BLD	City Shops-Lower Yard	PURCHASED	3/18/2010	6,216	-	6,216	-	-	-	-	6,216
21	Pole Bldg-Water/Sewer/Streets(Heater):May Expd'S	32628	BLD	City Shops-Lower Yard	PURCHASED	5/1/2010	3,000	-	3,000	-	-	-	-	3,000
22	Pole Bldg-Water/Sewer/Streets(Heater):July Expd'S	326210	BLD	City Shops-Lower Yard	PURCHASED	7/27/2010	2,821	-	2,821	-	-	-	-	2,821
23	New Shops Bldg:Arch Svcs-Lower Yards 3/1-4/30	34421	BLD	City Shops-Lower Yard	PURCHASED	5/7/2008	6,000	-	6,000	-	-	-	-	6,000
24	New Shops Bldg:Arch Svcs 1/1-5/31/08	34423	BLD	City Shops-Lower Yard	PURCHASED	6/2/2008	160	-	160	-	-	-	-	160
25	New Shops Bldg:Arch Svcs-Lower Yards 5/1-6/30/08	34425	BLD	City Shops-Lower Yard	PURCHASED	6/30/2008	16,782	-	16,782	-	-	-	-	16,782
26	New Shops Bldg:Arch Svcs 1/1-6/30/08	34427	BLD	City Shops-Lower Yard	PURCHASED	6/30/2008	620	-	620	-	-	-	-	620
27	New Shops Bldg:Topo Mapping & Civil-Imp Plans 8/2	34429	BLD	City Shops-Lower Yard	PURCHASED	8/11/2008	1,542	-	1,542	-	-	-	-	1,542
28	New Shops Bldg:Topography Work	344211	BLD	City Shops-Lower Yard	PURCHASED	9/12/2008	2,444	-	2,444	-	-	-	-	2,444
29	Shops Remodel:Arch Svcs Thru 4/30/11-April Expds	344215	BLD	City Shops-Lower Yard	PURCHASED	4/30/2011	2,800	-	2,800	-	-	-	-	2,800
30	New Shops Bldg:Plan Check Fees & Bid Request-May	344220	BLD	City Shops-Lower Yard	PURCHASED	5/15/2011	148	-	148	-	-	-	-	148
31	Shops Remodel:Arch Svcs Thru 6/30/11-June Expds	344225	BLD	City Shops-Lower Yard	PURCHASED	6/30/2011	1,006	-	1,006	-	-	-	-	1,006
32	New Shops Bldg:Walker Const-Lwr Yards Pmt#1-July	344230	BLD	City Shops-Lower Yard	PURCHASED	7/11/2011	4,000	-	4,000	-	-	-	-	4,000
33	Shops Remodel:Arch Svcs Pmt#5 & Walker Const Pmt#2	344235	BLD	City Shops-Lower Yard	PURCHASED	8/24/2011	13,062	-	13,062	-	-	-	-	13,062
34	Shops Remodel:Arch Svcs Pmt#6 & Walker Const Pmt#3	344240	BLD	City Shops-Lower Yard	PURCHASED	9/1/2011	10,376	-	10,376	-	-	-	-	10,376
35	Shops Remodel:Walker Const Pmt#4-Oct Expds	344245	BLD	City Shops-Lower Yard	PURCHASED	10/1/2011	22,542	-	22,542	-	-	-	-	22,542
36	Shops Remodel:Archtrl Srvc 9/01-10/30-Nov Expds	344250	BLD	City Shops-Lower Yard	PURCHASED	11/1/2011	447	-	447	-	-	-	-	447
37	Shops Remodel:Walker Const Pmt#5-Final-Dec Expds	344255	BLD	City Shops-Lower Yard	PURCHASED	12/1/2011	5,586	-	5,586	-	-	-	-	5,586
38	Shops Remodel:Walker Const Pmt#5-Jan Expds	344260	BLD	City Shops-Lower Yard	PURCHASED	1/1/2012	2,081	-	2,081	-	-	-	-	2,081
39	Shops Remodel:Fire Door Closures & Occupd Sign	344265	BLD	City Shops-Lower Yard	PURCHASED	2/28/2012	565	-	565	-	-	-	-	565
40	Shops Remodel:Prep & Paint Doors-March Expds	344270	BLD	City Shops-Lower Yard	PURCHASED	3/1/2012	409	-	409	-	-	-	-	409
41	Shops Remodel:Install Furnace-April Expds	344276	BLD	City Shops-Lower Yard	PURCHASED	4/27/2012	1,475	-	1,475	-	-	-	-	1,475
42	Shops Remodel:Install Heater-May Expds	344281	BLD	City Shops-Lower Yard	PURCHASED	5/23/2012	541	-	541	-	-	-	-	541
43	Laurel Glen Annex-December	36211	BLD	Laurel Glen	PURCHASED	12/1/2011	2,132	-	2,132	-	-	-	2,132	-
44	Laurel Glen Annex-January Expds	36213	BLD	Laurel Glen	PURCHASED	1/1/2012	4,584	-	4,584	-	-	-	4,584	-
45	Laurel Glen Annex-February Expds	36215	BLD	Laurel Glen	PURCHASED	2/7/2012	953	-	953	-	-	-	953	-
46	Laurel Glen Annex-July Expds	36217	BLD	Laurel Glen	PURCHASED	7/31/2012	7,948	-	7,948	-	-	-	7,948	-
47	Laurel Glen Annex-Sept Expds	36219	BLD	Laurel Glen	PURCHASED	9/19/2012	475	-	475	-	-	-	475	-
48	Laurel Glen Annex-December Expds	362111	BLD	Laurel Glen	PURCHASED	12/21/2012	110	-	110	-	-	-	110	-
49	Laurel Glen Annex-January Expds	362113	BLD	Laurel Glen	PURCHASED	1/22/2013	15,347	-	15,347	-	-	-	15,347	-
50	Laurel Glen Annex-February Expds	362115	BLD	Laurel Glen	PURCHASED	2/26/2013	11,632	-	11,632	-	-	-	11,632	-
51	Laurel Glen Annex-April Expds	362117	BLD	Laurel Glen	PURCHASED	4/23/2013	941	-	941	-	-	-	941	-
52	Laurel Glen Annex-June Expds	362119	BLD	Laurel Glen	PURCHASED	6/30/2013	5,170	-	5,170	-	-	-	5,170	-
53	Laurel Glen Annex-Oct Expds	362121	BLD	Laurel Glen	PURCHASED	10/7/2013	315	-	315	-	-	-	315	-

**City of Bozeman, Montana  
Wastewater Impact Fee Study**

**Classification of Existing Wastewater Utility System Assets III**

Line No.	Description	Asset ID	Type	Location	Acquired	Acquired Date	Asset Cost	Adj. Acq. Amt.	Wastewater System			General Plant	
									Adjustments [2]	Treatment	Trans.		Collection
54	Shop Complex	4910	BLD	City Shops	PURCHASED	7/1/1998	65,000	-	65,000	-	-	65,000	-
55	19Th Interchange	14740	IMP	Wastewater Operation	PURCHASED	7/1/1998	392,172	-	392,172	-	392,172	-	-
56	Sewer Renovations	15320	IMP	Wastewater Operation	PURCHASED	7/1/1998	316,784	-	316,784	-	111,908	204,877	-
57	Sid 627 Cook-Klabunde	20120	IMP	Special Improv District	PURCHASED	7/1/1998	26,345	-	26,345	-	-	26,345	-
58	Sid 626 Stratford Sewer	20160	IMP	Special Improv District	PURCHASED	7/1/1998	14,229	-	14,229	-	-	14,229	-
59	Sid 629 Sewer University	20770	IMP	Special Improv District	PURCHASED	7/1/1998	27,925	-	27,925	-	-	27,925	-
60	Sid 634 West Main Sewer	20800	IMP	Special Improv District	PURCHASED	7/1/1998	26,114	-	26,114	-	-	26,114	-
61	Sid 635 Tri-Annex Sewer	20820	IMP	Special Improv District	PURCHASED	7/1/1998	10,880	-	10,880	-	-	10,880	-
62	Sid 638 Sanitary Sewer	20840	IMP	Special Improv District	PURCHASED	7/1/1998	7,761	-	7,761	-	-	7,761	-
63	Sid 615 Sewer Burey Annes	22210	IMP	Special Improv District	PURCHASED	7/1/1983	281,632	-	281,632	-	-	281,632	-
64	Sid 645 Sewer Kagy-Grafs	22540	IMP	Special Improv District	PURCHASED	1/31/1984	36,229	-	36,229	-	-	36,229	-
65	Sid 649 Sanitary Sewer	24620	IMP	Special Improv District	PURCHASED	8/1/1986	324,333	-	324,333	-	-	324,333	-
66	Epa Grant 56Ep04	320662	IMP	Wastewater Plant	GRANT	11/15/2004	298,747	-	298,747	298,747	-	-	-
67	Epa Grant 56Ep04	320664	IMP	Wastewater Plant	GRANT	12/15/2004	196,553	-	196,553	196,553	-	-	-
68	Epa Grant 56Ep04	320671	IMP	Wastewater Plant	GRANT	5/15/2005	3,962	-	3,962	3,962	-	-	-
69	Fy80-06 Private Sewer Infr:Developer Contributions	34080	IMP	Wastewater Operation	CONTRIBUTION	6/30/2007	52,097,635	-	52,097,635	-	18,404,064	33,693,571	-
70	Fy07 Private Sewer Infr:Developer Contributions	34081	IMP	Wastewater Operation	CONTRIBUTION	6/30/2007	13,772,623	-	13,772,623	-	4,865,331	8,907,292	-
71	Fy08 Private Sewer Infr:Developer Contributions	34082	IMP	Wastewater Operation	CONTRIBUTION	6/30/2008	14,615,989	-	14,615,989	-	5,163,259	9,452,729	-
72	Fy09 Private Sewer Infr:Developer Contributions	34083	IMP	Wastewater Operation	CONTRIBUTION	6/30/2009	1,466,623	-	1,466,623	-	518,101	948,522	-
73	Fy10 Private Sewer Infr:Developer Contributions	34084	IMP	Wastewater Operation	CONTRIBUTION	6/30/2010	1,152,686	-	1,152,686	-	407,199	745,487	-
74	Fy11 Private Sewer Infr:Developer Contributions	34085	IMP	Wastewater Operation	CONTRIBUTION	6/30/2011	3,568,128	-	3,568,128	-	1,260,481	2,307,648	-
75	Fy14 Private Sewer Infr:Developer Contributions	34086	IMP	Wastewater Operation	CONTRIBUTION	6/30/2014	2,760,945	-	2,760,945	-	975,334	1,785,611	-
76	Fy15 Private Sewer Infr:Developer Contributions	34087	IMP	Wastewater Operation	CONTRIBUTION	6/30/2015	2,080,091	-	2,080,091	-	734,815	1,345,276	-
77	Fy16 Private Sewer Infr:Developer Contributions	34088	IMP	Wastewater Operation	CONTRIBUTION	6/30/2016	5,997,522	-	5,997,522	-	2,118,691	3,878,831	-
78	Fy17 Private Sewer Infr:Developer Contributions	34089	IMP	Wastewater Operation	CONTRIBUTION	6/30/2017	3,985,608	-	3,985,608	-	1,407,960	2,577,648	-
79	2008 Sewer Rehab Project:Design Svcs Thru 6/30/08	34291	IMP	Wastewater Operation	PURCHASED	6/30/2008	80,000	-	80,000	-	28,261	51,739	-
80	Sewer Repair E. Babcock - Replace Sewer Main	34292	IMP	Wastewater Operation	PURCHASED	8/1/2008	10,000	-	10,000	-	3,533	6,467	-
81	2008 Sewer Rehab Project:Design Svcs Thru 09/03/08	34293	IMP	Wastewater Operation	PURCHASED	9/12/2008	8,013	-	8,013	-	2,831	5,182	-
82	2008 Sewer Rehab Project:Design Svcs Thru 10/09/08	34294	IMP	Wastewater Operation	PURCHASED	10/17/2008	5,468	-	5,468	-	1,931	3,536	-
83	2008 Sewer Rehab Project:Design Svcs Thru 11/29/08	34295	IMP	Wastewater Operation	PURCHASED	11/30/2008	28,551	-	28,551	-	10,086	18,465	-
84	2008 Sewer Rehab Project:Design Svcs Thru 12/23/08	34296	IMP	Wastewater Operation	PURCHASED	11/30/2008	16,253	-	16,253	-	5,742	10,512	-
85	08 Sewer Rehab Proj:Const Svcs Thru 12/22 Pmt#1	34297	IMP	Wastewater Operation	PURCHASED	1/14/2009	310,297	-	310,297	-	109,616	200,681	-
86	08 Sewer Rehab Proj:1%Grt (Pec) Pmt#1 Thru 12/22	34298	IMP	Wastewater Operation	GRANT	1/14/2009	3,135	-	3,135	-	1,107	2,027	-
87	2008 Sewer Rehab Project:Design Svcs Thru 01/17/09	34299	IMP	Wastewater Operation	PURCHASED	1/30/2009	3,181	-	3,181	-	1,124	2,057	-
88	2008 Sewer Rehab Proj:Legal 9001/Bid Ad	342910	IMP	Wastewater Operation	PURCHASED	3/1/2009	120	-	120	-	42	78	-
89	2008 Sewer Rehab Proj:Legal 5001/Bid Ad	342911	IMP	Wastewater Operation	PURCHASED	3/1/2009	66	-	66	-	23	43	-
90	2008 Sewer Rehab Project:Design Svcs Thru 04/20/09	342912	IMP	Wastewater Operation	PURCHASED	4/22/2009	1,535	-	1,535	-	542	993	-
91	2008 Sewer Rehab Project:Design Svcs Thru 05/16/09	342913	IMP	Wastewater Operation	PURCHASED	5/28/2009	20,711	-	20,711	-	7,317	13,395	-
92	2008 Sewer Rehab Project:July Expds	342914	IMP	Wastewater Operation	PURCHASED	7/31/2009	139,539	-	139,539	-	49,294	90,245	-
93	2008 Sewer Rehab Project:August Expds	342915	IMP	Wastewater Operation	PURCHASED	8/31/2009	5,422	-	5,422	-	1,915	3,506	-
94	2008 Sewer Rehab Project:October Expds	342916	IMP	Wastewater Operation	PURCHASED	10/20/2009	910	-	910	-	321	588	-
95	2008 Sewer Rehab Project:October Expds	342917	IMP	Wastewater Operation	PURCHASED	10/20/2009	90,041	-	90,041	-	31,808	58,233	-
96	2008 Sewer Rehab Project:November Expds	342918	IMP	Wastewater Operation	PURCHASED	11/30/2009	23,234	-	23,234	-	8,208	15,026	-
97	2008 Sewer Rehab Project:December Expds	342919	IMP	Wastewater Operation	PURCHASED	12/28/2009	28,927	-	28,927	-	10,219	18,709	-
98	2008 Sewer Rehab Project:March Expds	342920	IMP	Wastewater Operation	PURCHASED	3/30/2010	1,318	-	1,318	-	465	852	-
99	2012 Sewer Rehab Project:Pmt#1 February Expds	342921	IMP	Wastewater Operation	PURCHASED	2/28/2012	4,000	-	4,000	-	1,413	2,587	-
100	2012 Sewer Rehab Project:Pmt#2 March Expds	342922	IMP	Wastewater Operation	PURCHASED	3/22/2012	11,600	-	11,600	-	4,098	7,502	-
101	2012 Sewer Rehab Project:Pmt#3 April Expds	342923	IMP	Wastewater Operation	PURCHASED	4/24/2012	3,100	-	3,100	-	1,095	2,005	-
102	2012 Sewer Rehab Project:Pmt#4 May Expds	342924	IMP	Wastewater Operation	PURCHASED	5/24/2012	1,750	-	1,750	-	618	1,132	-
103	2012 Sewer Rehab Project:Pmt#5 June Expds	342925	IMP	Wastewater Operation	PURCHASED	6/28/2012	18,764	-	18,764	-	6,629	12,135	-
104	2012 Sewer Rehab Project:Pmt#6 July Expds	342926	IMP	Wastewater Operation	PURCHASED	7/26/2012	4,350	-	4,350	-	1,537	2,813	-
105	2012 Sewer Rehab Project:Pmt#7 August Expds	342927	IMP	Wastewater Operation	PURCHASED	8/5/2012	3,858	-	3,858	-	1,363	2,495	-
106	2012 Sewer Rehab Project:Pmt#8 March Expds	342928	IMP	Wastewater Operation	PURCHASED	3/19/2013	53,340	-	53,340	-	18,843	34,497	-
107	2012 Sewer Rehab Project:Pmt#9 April Expds	342929	IMP	Wastewater Operation	PURCHASED	4/30/2013	13,518	-	13,518	-	4,775	8,743	-
108	2012 Sewer Rehab Project:Pmt#10 May Expds	342930	IMP	Wastewater Operation	PURCHASED	5/22/2013	6,544	-	6,544	-	2,312	4,232	-

City of Bozeman, Montana  
Wastewater Impact Fee Study

Classification of Existing Wastewater Utility System Assets [1]

Line No.	Description	Asset ID	Type	Location	Acquired	Acquired Date	Asset Cost	Adj. Acq. Amt.	Wastewater System				General Plant
									Adjustments [2]	Treatment	Trans.	Collection	
109	2012 Sewer Rehab Project:Pmt#11 June Expds	342931	IMP	Wastewater Operation	PURCHASED	6/26/2013	2,836	-	2,836	-	1,002	1,834	-
110	2012 Sewer Rehab Project:Pmt#12 July Expds	342932	IMP	Wastewater Operation	PURCHASED	7/29/2013	5,581	-	5,581	-	1,971	3,609	-
111	2012 Sewer Rehab Project:Pmt#13 Aug Expds	342933	IMP	Wastewater Operation	PURCHASED	8/29/2013	294,153	-	294,153	-	103,913	190,240	-
112	2012 Sewer Rehab Project:Pmt#14 Sept Expds	342934	IMP	Wastewater Operation	PURCHASED	9/30/2013	614,247	-	614,247	-	216,989	397,257	-
113	2012 Sewer Rehab Project:Pmt#15 Oct Expds	342935	IMP	Wastewater Operation	PURCHASED	10/29/2013	377,983	-	377,983	-	133,527	244,457	-
114	2012 Sewer Rehab Project:Pmt#16 & 17 Nov Expds	342936	IMP	Wastewater Operation	PURCHASED	11/21/2013	77,654	-	77,654	-	27,432	50,222	-
115	2012 Sewer Rehab Project:Pmt#18 Jan Expds	342937	IMP	Wastewater Operation	PURCHASED	1/28/2014	1,444	-	1,444	-	510	934	-
116	2012 Sewer Rehab Project:Pmt#19 March Expds	342938	IMP	Wastewater Operation	PURCHASED	3/25/2014	5,689	-	5,689	-	2,010	3,679	-
117	2012 Sewer Rehab Project:Pmt#20 April Expds	342939	IMP	Wastewater Operation	PURCHASED	4/28/2014	4,811	-	4,811	-	1,699	3,111	-
118	2012 Sewer Rehab Project:Pmt#21 May Expds	342940	IMP	Wastewater Operation	PURCHASED	5/23/2014	1,270	-	1,270	-	449	821	-
119	2012 Sewer Rehab Project:Pmt#22 Oct Expds	342941	IMP	Wastewater Operation	PURCHASED	10/22/2014	3,053	-	3,053	-	1,078	1,974	-
120	2012 Sewer Rehab Project:Pmt#23 Nov Expds	342942	IMP	Wastewater Operation	PURCHASED	11/20/2014	970	-	970	-	342	627	-
121	2012 Sewer Rehab Project:Pmt#24 Sept Expds Fy16	342943	IMP	Wastewater Operation	PURCHASED	9/24/2015	15,130	-	15,130	-	5,345	9,785	-
122	2012 Sewer Rehab Project:Pmt#25 April Expds Fy16	342944	IMP	Wastewater Operation	PURCHASED	4/21/2016	4,062	-	4,062	-	1,435	2,627	-
123	2012 Sewer Rehab Project:June Expds Fy16	342945	IMP	Wastewater Operation	PURCHASED	6/23/2016	2,307	-	2,307	-	815	1,492	-
124	2012 Sewer Rehab Project:July Expds Fy17	342946	IMP	Wastewater Operation	PURCHASED	7/21/2016	6,365	-	6,365	-	2,249	4,116	-
125	S University Sewer Main Pay#1:July Expds Fy17	342947	IMP	Wastewater Operation	PURCHASED	7/31/2016	215,508	-	215,508	-	215,508	-	-
126	S University Sewer Main Pay#2:Oct Expds Fy17	342948	IMP	Wastewater Operation	PURCHASED	10/18/2016	367,251	-	367,251	-	367,251	-	-
127	S University Sewer Main Pay#3:Dec Expds Fy17	342949	IMP	Wastewater Operation	PURCHASED	12/20/2016	691,781	-	691,781	-	691,781	-	-
128	S University Sewer Main Pay#4:Jan Expds Fy17	342950	IMP	Wastewater Operation	PURCHASED	1/17/2017	138,122	-	138,122	-	138,122	-	-
129	N Willson Sewer Renovation Proj:April Expds	342951	IMP	Wastewater Operation	PURCHASED	4/14/2017	666	-	666	-	235	431	-
130	S University Sewer Main Pay#5:April Expds Fy17	342952	IMP	Wastewater Operation	PURCHASED	4/30/2017	111,974	-	111,974	-	111,974	-	-
131	Ww Facility Plan Update Fy17-April	342953	IMP	Wastewater Operation	PURCHASED	4/30/2017	134,953	-	134,953	-	-	-	134,953
132	Concrete Retaining Wall & Drain Improv @ Shops	34576	IMP	City Shops	PURCHASED	1/1/2009	7,457	-	7,457	-	-	7,457	-
133	Laurel Glen Annex Irrgtn-June Fy15 Expds	362123	IMP	Laurel Glen	PURCHASED	6/30/2015	19,504	-	19,504	-	-	19,504	-
134	College-Main->S 19Th-Mdot Highway Project	37131	IMP	Street Department	PURCHASED	1/1/2014	21,884	-	21,884	-	-	-	21,884
135	Sid 718 - E Story Street Sewer Replacement	37282	IMP	Special Improv District	PURCHASED	5/6/2014	346	-	346	-	-	346	-
136	Cds Storm Drain Unit Separator	37642	IMP	City Shops	PURCHASED	3/1/2015	2,333	-	2,333	-	-	-	2,333
137	Sid732:N Wallace Ave Sewer:August Expds Fy17	38178	IMP	Special Improv District	PURCHASED	8/18/2016	14,673	-	14,673	-	-	14,673	-
138	Rouse-Oak To Storymill Rd (Water/Sewer)City Share	38641	IMP	Water Operations	PURCHASED	8/31/2016	32,064	-	32,064	-	32,064	-	-
139	Bridger Drive Sewer Main Project-Sept Expds	38661	IMP	Wastewater Operation	PURCHASED	9/30/2016	21,208	-	21,208	-	21,208	-	-
140	Sid739:Olive & Church Recnstrctn Prj-Fy17-June Exp	39913	IMP	Special Improv District	PURCHASED	6/1/2017	31,721	-	31,721	-	-	31,721	-
141	Sid739:Olive & Church Recnstrctn Prj-Fy17-June Exp	399111	IMP	Special Improv District	PURCHASED	6/30/2017	182,094	-	182,094	-	-	182,094	-
142	Sid 567 San Sewer Lateral Mn	4330	IMP	Special Improv District	PURCHASED	7/1/1998	95,631	-	95,631	-	-	95,631	-
143	Sid 580 Sanitary Sewer West Koch	4440	IMP	Special Improv District	PURCHASED	7/1/1998	85,866	-	85,866	-	-	85,866	-
144	Sid 587 Beaumont Subdivision	4500	IMP	Special Improv District	PURCHASED	7/1/1998	77,594	-	77,594	-	-	77,594	-
145	Sid 596 Sewer Mcchesney	4570	IMP	Special Improv District	PURCHASED	7/1/1998	105,000	-	105,000	-	-	105,000	-
146	Sid 597 Sanitary Sewer Wheat Subdivision	4580	IMP	Special Improv District	PURCHASED	7/1/1998	64,479	-	64,479	-	-	64,479	-
147	Sid 601 Sewer Figgins 4Th	4620	IMP	Special Improv District	PURCHASED	7/1/1998	87,205	-	87,205	-	-	87,205	-
148	Sid 414 Sanitary Sewer	5440	IMP	Special Improv District	PURCHASED	7/1/1998	144,223	-	144,223	-	-	144,223	-
149	Sid 425 Sanitary Sewer Hillcrest	5500	IMP	Special Improv District	PURCHASED	7/1/1998	83,703	-	83,703	-	-	83,703	-
150	Sid 426 Westridge Sanitary Sewer	5520	IMP	Special Improv District	PURCHASED	7/1/1998	62,836	-	62,836	-	-	62,836	-
151	Sid 432 West End Sanitary Sewer	5530	IMP	Special Improv District	PURCHASED	7/1/1998	226,619	-	226,619	-	-	226,619	-
152	Sid 511 Sanitary Sewer Thompson	5690	IMP	Special Improv District	PURCHASED	7/1/1998	144,604	-	144,604	-	-	144,604	-
153	Sid 527 Grafts & Figgins	5750	IMP	Special Improv District	PURCHASED	7/1/1998	69,258	-	69,258	-	-	69,258	-
154	Sid 621 Sewer Valley Unit	5800	IMP	Special Improv District	PURCHASED	7/1/1998	585,797	-	585,797	-	-	585,797	-
155	Sid 623 Sewer Valley Unit	5810	IMP	Special Improv District	PURCHASED	7/1/1998	515,644	-	515,644	-	-	515,644	-
156	Wheat Drive Lift Station	11600	IMP	Wastewater Operation	PURCHASED	7/1/1998	132,994	-	132,994	-	132,994	-	-
157	Epa Project 22	22080	IMP	Wastewater Operation	GRANT	7/1/1998	386,262	-	386,262	-	-	-	386,262
158	Epa Project 23	22090	IMP	Wastewater Operation	GRANT	7/1/1998	210,634	-	210,634	-	-	-	210,634
159	Epa Project 24	22100	IMP	Wastewater Operation	GRANT	7/1/1998	5,168,755	-	5,168,755	-	-	-	5,168,755
160	Figgins/Westridge Outfall	28870	IMP	Wastewater Operation	PURCHASED	6/30/2000	143,893	-	143,893	143,893	-	-	-
161	Solvent Site Water Improvements	29470	IMP	Wastewater Operation	PURCHASED	10/23/2000	13,316	(13,316)	0	-	-	-	-
162	Solvent Site Project	29471	IMP	Wastewater Operation	PURCHASED	6/26/2001	15,456	(15,456)	0	-	-	-	-
163	Solvent Site	29472	IMP	Wastewater Operation	PURCHASED	6/1/2001	130,085	(130,085)	0	-	-	-	-

**City of Bozeman, Montana  
Wastewater Impact Fee Study**

**Classification of Existing Wastewater Utility System Assets III**

Line No.	Description	Asset ID	Type	Location	Acquired	Acquired Date	Asset Cost	Adjustments [2]	Adj. Acq. Amt.	Wastewater System			
										Treatment	Trans.	Collection	General Plant
164	Solvent Site Water Improvements	29473	IMP	Wastewater Operation	PURCHASED	6/30/2002	81,479	(81,479)	0	-	-	-	-
165	Solvent Site Water Improvements	29474	IMP	Wastewater Operation	PURCHASED	6/30/2002	1,487,063	(1,487,063)	0	-	-	-	-
166	Solvent Site	29475	IMP	Wastewater Operation	PURCHASED	8/15/2002	36,060	(36,060)	0	-	-	-	-
167	Solvent Site	29476	IMP	Wastewater Operation	PURCHASED	9/15/2002	5,968	(5,968)	0	-	-	-	-
168	Solvent Site	29477	IMP	Wastewater Operation	PURCHASED	10/15/2002	7,050	(7,050)	0	-	-	-	-
169	Solvent Site	29478	IMP	Wastewater Operation	PURCHASED	12/15/2002	5,594	(5,594)	0	-	-	-	-
170	Solvent Site	29479	IMP	Wastewater Operation	PURCHASED	5/15/2003	1,009	(1,009)	0	-	-	-	-
171	Solvent Site	294710	IMP	Wastewater Operation	PURCHASED	7/28/2003	1,515	(1,515)	0	-	-	-	-
172	Solvent Site Clean Up	294711	IMP	Wastewater Operation	PURCHASED	8/12/2003	10,637	(10,637)	0	-	-	-	-
173	Solvent Site	294712	IMP	Wastewater Operation	PURCHASED	9/12/2003	7,497	(7,497)	0	-	-	-	-
174	Lyman Reservoir	295823	IMP	Water Treatment Plant	PURCHASED	3/15/2003	8,285	-	8,285	-	-	-	8,285
175	Burrup Lift Station (See 3095-Aerial Truck-Ranger)	30690	IMP	Wastewater Operation	PURCHASED	6/1/2001	52,215	-	52,215	-	52,215	-	-
176	Burrup Lift Station	30695	IMP	Wastewater Operation	PURCHASED	6/30/2002	67,443	-	67,443	-	-	67,443	-
177	Burrup Lift Station	30696	IMP	Wastewater Operation	PURCHASED	8/29/2003	15,000	-	15,000	-	-	15,000	-
178	Burrup Lift Station	30697	IMP	Wastewater Operation	PURCHASED	10/15/2003	1,183	-	1,183	-	1,183	-	-
179	Burrup Lift Station	30698	IMP	Wastewater Operation	PURCHASED	10/15/2004	6,210	-	6,210	-	-	6,210	-
180	Epa Project #1	4790	IMP	Wastewater Operation	GRANT	7/1/1998	147,341	-	147,341	147,341	-	-	-
181	Epa Project #13	4820	IMP	Wastewater Operation	GRANT	7/1/1998	377,958	-	377,958	377,958	-	-	-
182	Epa Project #23-Ii	4940	IMP	Wastewater Operation	GRANT	7/1/1998	75,481	-	75,481	75,481	-	-	-
183	Epa Project #23-Iii	4950	IMP	Wastewater Operation	GRANT	7/1/1998	72,708	-	72,708	72,708	-	-	-
184	Disposal System	4960	IMP	Wastewater Operation	PURCHASED	7/1/1998	60,696	-	60,696	60,696	-	-	-
185	Disposal Plant	4980	IMP	Wastewater Operation	PURCHASED	7/1/1998	274,352	-	274,352	274,352	-	-	-
186	Old Plant	4990	IMP	Wastewater Plant	PURCHASED	7/1/1998	50,000	-	50,000	50,000	-	-	-
187	West Sanitary Tanks	5010	IMP	Wastewater Operation	PURCHASED	7/1/1998	113,638	-	113,638	113,638	-	-	-
188	Sanitary Sewers Old	5020	IMP	Wastewater Operation	PURCHASED	7/1/1998	498,068	-	498,068	498,068	-	-	-
189	Sanitary Sewers New	5030	IMP	Wastewater Operation	PURCHASED	7/1/1998	699,081	-	699,081	699,081	-	-	-
190	Epa Project #26	5510	IMP	Wastewater Operation	GRANT	7/1/1998	2,587,634	-	2,587,634	2,587,634	-	-	-
191	Sewer Easement	25330	LAN	Wastewater Operation	PURCHASED	7/1/1998	1,000	-	1,000	-	1,000	-	-
192	801 N Rouse Ave Land Purchase-March Expds Fy17	39692	LAN	City Shops	PURCHASED	3/13/2017	74,964	-	74,964	-	-	-	74,964
193	1804 N Rouse / Mdt Property Stpp 86-1(44)-June Exp	39753	LAN	City Shops	PURCHASED	6/30/2017	292,500	-	292,500	-	-	-	292,500
194	New Site - Lower Yards Property	4840	LAN	Wastewater Operation	PURCHASED	7/1/1998	34,690	-	34,690	-	-	-	34,690
195	City Yard Improvements	4850	LAN	Wastewater Operation	PURCHASED	7/1/1998	3,744	-	3,744	-	-	-	3,744
196	Easements	4860	LAN	Wastewater Operation	PURCHASED	7/1/1998	16,338	-	16,338	-	16,338	-	-
197	Wonderware Scada Software-Dec	125880	M&E	Water Treatment Plant	PURCHASED	12/16/2014	8,646	-	8,646	-	-	-	8,646
198	Accounting Software	26252	M&E	Hte Software	PURCHASED	7/1/1998	37,200	-	37,200	-	-	-	37,200
199	Cisco	310240	M&E	Cisco Phone System	PURCHASED	9/15/2002	5	-	5	-	-	-	5
200	Cisco	310257	M&E	Cisco Phone System	PURCHASED	1/15/2003	230	-	230	-	-	-	230
201	Cisco	310297	M&E	Cisco Phone System	PURCHASED	2/15/2003	3	-	3	-	-	-	3
202	Cisco	3102114	M&E	Cisco Phone System	PURCHASED	5/15/2003	209	-	209	-	-	-	209
203	Iseries+P7 V7Ri Os Upgrade:Sungard Srvr Operat Sys	32974	M&E	City Hall:121 N.Rouse	PURCHASED	6/6/2012	1,020	-	1,020	-	-	-	1,020
204	Hte Click2Gov:Digital Certificate-Cx	332427	M&E	Hte Software	PURCHASED	12/1/2006	120	-	120	-	-	-	120
205	Hte Click2Gov:Core Module #20061445	332436	M&E	Hte Software	PURCHASED	12/1/2006	620	-	620	-	-	-	620
206	Hte Click2Gov:Cx Utility Billing	332443	M&E	Hte Software	PURCHASED	12/1/2006	1,390	-	1,390	-	-	-	1,390
207	Hte Click2Gov:Tax Billing Module (Sid Billing)	332452	M&E	Hte Software	PURCHASED	12/1/2006	1,938	-	1,938	-	-	-	1,938
208	Hte Click2Gov:Final Core Module Install	332469	M&E	Hte Software	PURCHASED	3/23/2007	300	-	300	-	-	-	300
209	Hte Click2Gov:Tax Cc Activation Installation	332480	M&E	Hte Software	PURCHASED	3/23/2007	163	-	163	-	-	-	163
210	Hte Click2Gov:Tax Billing+Collect Final Install	332488	M&E	Hte Software	PURCHASED	3/23/2007	225	-	225	-	-	-	225
211	Hte Click2Gov:Util Cc Activation Installation	332494	M&E	Hte Software	PURCHASED	3/23/2007	217	-	217	-	-	-	217
212	Hte Click2Gov:Util Cx Final Installation	3324100	M&E	Hte Software	PURCHASED	3/23/2007	300	-	300	-	-	-	300
213	Server-Data Backup Managr:S14974.55 Split Citywide	3324145	M&E	Information Technology	PURCHASED	11/1/2007	599	-	599	-	-	-	599
214	Cityworks Work Order Lic-Azteca Work Orders Pmt#1	3324152	M&E	Geographic Info Systems	PURCHASED	11/28/2007	12,833	-	12,833	-	6,417	6,417	-
215	Work Order Arc-Gis License:Sewer Portion #97189	3324161	M&E	Geographic Info Systems	PURCHASED	2/1/2008	4,250	-	4,250	-	2,125	2,125	-
216	Work Order 2-Day Training Kick-Off Meeting-Azteca	3324165	M&E	Geographic Info Systems	PURCHASED	3/2/2008	1,800	-	1,800	-	900	900	-
217	Ctywrks Database Config Task2,2A,3,4 Remote Instal	3324181	M&E	Geographic Info Systems	PURCHASED	4/2/2008	12,075	-	12,075	-	6,038	6,038	-
218	Ctywrks Database Config Task 5,6,7 Remote Install	3324182	M&E	Geographic Info Systems	PURCHASED	4/17/2008	7,550	-	7,550	-	3,775	3,775	-

**City of Bozeman, Montana  
Wastewater Impact Fee Study**

**Classification of Existing Wastewater Utility System Assets III**

Line No.	Description	Asset ID	Type	Location	Acquired	Acquired Date	Asset Cost	Adj. Acq. Amt.	Wastewater System				
									Adjustments [2]	Treatment	Trans.	Collection	General Plant
219	Cityworks Site License Startup:Azteca Sys:July Exp	3324230	M&E	Geographic Info Systems	PURCHASED	7/10/2013	8,435	-	8,435	-	4,218	4,218	-
220	Add'L (2)Arc-Gis Licenses-Sewer Portion	3324234	M&E	Geographic Info Systems	PURCHASED	9/5/2013	3,943	-	3,943	-	1,971	1,971	-
221	Meter Reading Device (Backup For Fa#3745)	33580	M&E	Wastewater Operation	PURCHASED	10/2/2006	19,925	-	19,925	-	-	19,925	-
222	P7-New As400 Software/Hardware	36143	M&E	City Hall:121 N.Rouse	PURCHASED	6/28/2011	5,187	-	5,187	-	-	-	5,187
223	Ivr (Integrated Voice Recognition Software)	37511	M&E	Finance Department	PURCHASED	11/14/2014	6,219	-	6,219	-	-	-	6,219
224	Ivr (Integrated Voice Recognition Software)June 15	37515	M&E	Finance Department	PURCHASED	6/30/2015	15,083	-	15,083	-	-	-	15,083
225	Ivr (Integrated Voice Recognitn Software)Aug Fy16	37517	M&E	Finance Department	PURCHASED	8/1/2015	6,233	-	6,233	-	-	-	6,233
226	Ivr (Integrated Voice Recognitn Software)Oct Fy16	37519	M&E	Finance Department	PURCHASED	10/27/2015	1,558	-	1,558	-	-	-	1,558
227	Web Mapping Software Integration(Vantage Points)	37650	M&E	Geographic Info Systems	PURCHASED	2/26/2015	29,130	-	29,130	-	14,565	14,565	-
228	Web Mapping Software Integration(Vantage Points)	37651	M&E	Geographic Info Systems	PURCHASED	5/31/2015	6,600	-	6,600	-	3,300	3,300	-
229	Dell Cto Storage(Sewer )	39832	M&E	Information Technology	PURCHASED	5/23/2017	2,300	-	2,300	-	-	-	2,300
230	Copier	32667	M&E	City Shops-Veh Maint	PURCHASED	10/15/2004	956	-	956	-	-	-	956
231	Savin C9145 Photocopier-Dec Expds	36047	M&E	City Shops	PURCHASED	12/21/2010	1,046	-	1,046	-	-	-	1,046
232	Mobile Track File System & Installation	36370	M&E	Professional Building	PURCHASED	6/18/2012	23,833	-	23,833	-	-	-	23,833
233	Easement Machine	14820	M&E	Wastewater Operation	PURCHASED	7/1/1998	13,150	-	13,150	-	-	-	13,150
234	Crib Trailer	14830	M&E	Wastewater Operation	PURCHASED	6/30/2012	0	-	0	-	-	-	0
235	Color Moni System	19940	M&E	Wastewater Operation	PURCHASED	7/1/1998	16,022	-	16,022	-	-	-	16,022
236	1999 John Deere Backhoe	26830	M&E	Wastewater Operation	PURCHASED	7/1/1998	129,926	-	129,926	-	-	-	129,926
237	2001 Jk Skid Steer Loader	30300	M&E	Wastewater Operation	PURCHASED	9/19/2001	19,579	-	19,579	-	-	-	19,579
238	John Deere Post Hole Digger W/12" Auger	30301	M&E	Wastewater Operation	PURCHASED	9/25/2001	1,450	-	1,450	-	-	-	1,450
239	John Deere 48" Rail Pallet Forks	30302	M&E	Wastewater Operation	PURCHASED	9/25/2001	835	-	835	-	-	-	835
240	Pickup Broom	30303	M&E	Wastewater Operation	PURCHASED	9/25/2001	3,455	-	3,455	-	-	-	3,455
241	2001 Trail Max Trailer	30650	M&E	Wastewater Operation	PURCHASED	4/15/2002	5,400	-	5,400	-	-	-	5,400
242	Ground Heater Trailer	31151	M&E	Wastewater Operation	PURCHASED	6/13/2002	7,838	-	7,838	-	-	-	7,838
243	Radio Read Water Meter System	31320	M&E	Wastewater Operation	PURCHASED	6/30/2002	185,657	-	185,657	-	-	185,657	-
244	Radio Read Water Meter System	31322	M&E	Wastewater Operation	PURCHASED	8/15/2002	18,387	-	18,387	-	-	18,387	-
245	Radio Read Water Meter System	31323	M&E	Wastewater Operation	PURCHASED	8/15/2002	1,445	-	1,445	-	-	1,445	-
246	Radio Read Water Meter System	31325	M&E	Wastewater Operation	PURCHASED	10/15/2002	10,550	-	10,550	-	-	10,550	-
247	Radio Read Water Meter System	31327	M&E	Wastewater Operation	PURCHASED	11/15/2002	2,687	-	2,687	-	-	2,687	-
248	Radio Read Water Meter System	313210	M&E	Wastewater Operation	PURCHASED	11/15/2002	723	-	723	-	-	723	-
249	Radio Read Water Meter System	313211	M&E	Wastewater Operation	PURCHASED	11/15/2002	74,120	-	74,120	-	-	74,120	-
250	Radio Read Water Meter System	313212	M&E	Wastewater Operation	PURCHASED	11/15/2002	5,540	-	5,540	-	-	5,540	-
251	Radio Read Water Meter System	313214	M&E	Wastewater Operation	PURCHASED	12/15/2002	11,720	-	11,720	-	-	11,720	-
252	Radio Read Water Meter System	313216	M&E	Wastewater Operation	PURCHASED	1/15/2003	18,138	-	18,138	-	-	18,138	-
253	Radio Read Water Meter System	313218	M&E	Wastewater Operation	PURCHASED	2/15/2003	9,812	-	9,812	-	-	9,812	-
254	Radio Read Water Meter System	313220	M&E	Wastewater Operation	PURCHASED	3/15/2003	21,797	-	21,797	-	-	21,797	-
255	Radio Read Water Meter System	313222	M&E	Wastewater Operation	PURCHASED	4/15/2003	71,793	-	71,793	-	-	71,793	-
256	Radio Read Water Meter System	313224	M&E	Wastewater Operation	PURCHASED	5/15/2003	37,706	-	37,706	-	-	37,706	-
257	Radio Read Water Meter System	313226	M&E	Wastewater Operation	PURCHASED	6/15/2003	6,575	-	6,575	-	-	6,575	-
258	Radio Read Water Meter System	313228	M&E	Wastewater Operation	PURCHASED	8/6/2003	8,889	-	8,889	-	-	8,889	-
259	Radio Read Water Meter System	313230	M&E	Wastewater Operation	PURCHASED	9/3/2003	4,825	-	4,825	-	-	4,825	-
260	Radio Read Water Meter System	313232	M&E	Wastewater Operation	PURCHASED	6/30/2002	185,657	-	185,657	-	-	185,657	-
261	Bypass Pump With Trailer	32530	M&E	Laurel Glen	PURCHASED	6/15/2004	51,880	-	51,880	-	-	-	51,880
262	Portable Flow Sensor Machine	32570	M&E	Wastewater Operation	PURCHASED	4/21/2004	6,745	-	6,745	-	-	-	6,745
263	Bagella Asphalt Recycling Machine:Portable Plant	33662	M&E	Street Department	PURCHASED	5/1/2007	16,873	-	16,873	-	-	-	16,873
264	01 Ford Tv Van Retrofitted For Sewer S/B 3406	34063	M&E	Wastewater Operation	PURCHASED	5/24/2012	98,024	-	98,024	-	-	-	98,024
265	Camera Wheels Module & Accessories-June S/B 3406	34064	M&E	Wastewater Operation	PURCHASED	6/15/2012	6,620	-	6,620	-	-	-	6,620
266	Impactor:Icy Ground Jack Hammer	34141	M&E	Wastewater Operation	PURCHASED	1/15/2008	4,673	-	4,673	-	-	-	4,673
267	Manhole Adj Tool:Cutter Extractor Unit W/Acc Pack	34901	M&E	Street Department	PURCHASED	4/1/2009	7,060	-	7,060	-	-	-	7,060
268	2010 Kenworth Dump Truck	35490	M&E	Wastewater Operation	PURCHASED	8/11/2010	105,146	-	105,146	-	-	-	105,146
269	Boring Tool & Kit	36391	M&E	Wastewater Operation	PURCHASED	7/26/2012	3,635	-	3,635	-	-	-	3,635
270	Hitachi Mini Excavator:24"Bucket&Clamp Kit	36632	M&E	Wastewater Operation	PURCHASED	4/15/2013	21,622	-	21,622	-	-	-	21,622
271	2013 Freightliner Sewer Jetter Truck	36750	M&E	Wastewater Operation	PURCHASED	6/11/2013	219,628	-	219,628	-	-	-	219,628
272	Towmaster Tilt-Bed Trailer For Mini Excavator	36762	M&E	Wastewater Operation	PURCHASED	6/11/2013	3,328	-	3,328	-	-	-	3,328
273	Pressure Washer @ Shop Complex	37055	M&E	City Shops	PURCHASED	2/1/2014	1,066	-	1,066	-	-	-	1,066

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Classification of Existing Wastewater Utility System Assets III

Line No.	Description	Asset ID	Type	Location	Acquired	Acquired Date	Asset Cost	Adj. Acq. Amt.	Wastewater System				General Plant
									Adjustments [2]	Treatment	Trans.	Collection	
274	2015 Ford F350 Super Duty(White)+Tools&Access	37160	M&E	Wastewater Operation	PURCHASED	5/30/2014	40,518	-	40,518	-	-	-	40,518
275	Trimble Geo 7X Range Finder	37261	M&E	Geographic Info Systems	PURCHASED	7/30/2014	3,472	-	3,472	-	-	-	3,472
276	2015 Vactor 2100 Plus(Sewer Vacuum Truck)(White)	37630	M&E	Wastewater Operation	PURCHASED	4/7/2015	369,323	-	369,323	-	-	-	369,323
277	Light Plant/Tower 50/50 Wtr/Swr	37751	M&E	Water Operations	PURCHASED	6/23/2015	3,682	-	3,682	-	-	-	3,682
278	Sewer Flow Meter Assembly	38350	M&E	Wastewater Operation	PURCHASED	7/27/2016	15,851	-	15,851	-	-	15,851	-
279	Sewer Flow Meter Mounting Jack Temp Mount&Frame	38351	M&E	Wastewater Operation	PURCHASED	9/1/2016	939	-	939	-	-	939	-
280	Vaporooter System/ Root Foamer	38460	M&E	Wastewater Operation	PURCHASED	8/22/2016	39,000	-	39,000	-	-	-	39,000
281	Sewer Tv Camera	39820	M&E	Wastewater Operation	PURCHASED	5/11/2017	9,810	-	9,810	-	-	-	9,810
282	1988 Ford Flatbed Truck	11180	VEH	Laurel Glen	PURCHASED	7/1/1998	14,992	-	14,992	-	-	-	14,992
283	1994 Gmc Truck	16070	VEH	Wastewater Operation	PURCHASED	7/1/1998	18,695	-	18,695	-	-	-	18,695
284	1995 Ford Dump Truck	17830	VEH	Wastewater Operation	PURCHASED	7/1/1998	39,668	-	39,668	-	-	-	39,668
285	2002 Freightliner Hydraulic Sewer Jet Cleaner	30310	VEH	Wastewater Operation	PURCHASED	8/28/2001	98,211	-	98,211	-	-	-	98,211
286	Radio & Antenna	30311	VEH	Wastewater Operation	PURCHASED	8/15/2001	540	-	540	-	-	-	540
287	2004 Ford X21 F250 3/4 Ton Extended Cab Truck	32320	VEH	Wastewater Operation	PURCHASED	4/21/2004	27,350	-	27,350	-	-	-	27,350
288	Radio	32321	VEH	Wastewater Operation	PURCHASED	5/15/2004	6,907	-	6,907	-	-	-	6,907
289	2006 Gmc Sierra Truck For Water Dept 50%-Fund620	33442	VEH	Water Operations	PURCHASED	3/8/2006	9,595	-	9,595	-	-	-	9,595
290	Strobe Lights For Water Truck 50%-Fund620	33443	VEH	Water Operations	PURCHASED	3/21/2006	1,355	-	1,355	-	-	-	1,355
291	2007 Gmc Sierra 2500 (White - 3/4 Ton)	33600	VEH	Wastewater Operation	PURCHASED	10/5/2006	27,445	-	27,445	-	-	-	27,445
292	Sewer Line Tv Van	34060	VEH	Wastewater Operation	PURCHASED	12/18/2007	196,000	-	196,000	-	-	-	196,000
293	Strobes.Install & New Computer - Net Doubledata Cr	34061	VEH	Wastewater Operation	PURCHASED	3/18/2008	2,307	-	2,307	-	-	-	2,307
294	Doubledata 2000 System W/Cables For Tv Van	34062	VEH	Wastewater Operation	PURCHASED	5/1/2008	5,544	-	5,544	-	-	-	5,544
295	2008 Kenworth Dump Truck T370 - White	34150	VEH	Wastewater Operation	PURCHASED	2/6/2008	89,475	-	89,475	-	-	-	89,475
296	2012 Gmc Sierra 3500	36200	VEH	Water Operations	PURCHASED	2/9/2012	27,971	-	27,971	-	-	-	27,971
297	2012 Gmc Sierra Truck Body/Hoist & Installation	36201	VEH	Water Operations	PURCHASED	5/24/2012	9,860	-	9,860	-	-	-	9,860
298	2012 Gmc Sierra 3500:(5)Lightbars &Mountng Kit	36202	VEH	Water Operations	PURCHASED	6/27/2012	1,210	-	1,210	-	-	-	1,210
299	2012 Gmc Sierra 3500:Door Decals & Light Bars	36203	VEH	Wastewater Operation	PURCHASED	7/11/2012	755	-	755	-	-	-	755
300	2013 Ford F150 Supercab 4X4	36680	VEH	Wastewater Operation	PURCHASED	5/23/2013	24,600	-	24,600	-	-	-	24,600
301	13 Ford Supercab:Install Light Bar & Parts	36681	VEH	Wastewater Operation	PURCHASED	6/27/2013	4,043	-	4,043	-	-	-	4,043
302	2016 Ford F150 Truck	38330	VEH	Wastewater Operation	PURCHASED	8/2/2016	27,451	-	27,451	-	-	-	27,451
303	2016 Ford F350 Truck	38340	VEH	Wastewater Operation	PURCHASED	8/2/2016	30,265	-	30,265	-	-	-	30,265
304	2016 Ford F350 Truck Trav-L-Vac 300 Skidmount Sys	38341	VEH	Wastewater Operation	PURCHASED	1/31/2017	15,870	-	15,870	-	-	-	15,870
305	2016 Ford F350 Truck:Tool Box Install	38342	VEH	Wastewater Operation	PURCHASED	3/13/2017	5,660	-	5,660	-	-	-	5,660
306	2016 Ford F350 Truck:Light Bar & Radio	38343	VEH	Wastewater Operation	PURCHASED	4/1/2017	2,868	-	2,868	-	-	-	2,868
307	Epa Grant	320651	BLD	Wastewater Plant	GRANT	6/15/2004	9,500	-	9,500	9,500	-	-	-
308	New Site Wwtp (Wrf:Water Reclamation Facility)	4880	BLD	Wastewater Plant	PURCHASED	7/1/1998	25,000	-	25,000	25,000	-	-	-
309	Wwtp Site	4881	BLD	Wastewater Plant	PURCHASED	5/15/2003	17,073	-	17,073	17,073	-	-	-
310	Air Conditioning System	4882	BLD	Wastewater Plant	PURCHASED	5/15/2003	14,100	-	14,100	14,100	-	-	-
311	Wrf Upgrade Const June Expds	488197	BLD	Wastewater Plant	PURCHASED	6/30/2013	32,324	-	32,324	32,324	-	-	-
312	Wrf Upgrade Const July Expds	488198	BLD	Wastewater Plant	PURCHASED	7/31/2013	12,950	-	12,950	12,950	-	-	-
313	Wrf Upgrade Const August Expds	488199	BLD	Wastewater Plant	PURCHASED	8/29/2013	9,158	-	9,158	9,158	-	-	-
314	Wrf Upgrade Const September Expds	488200	BLD	Wastewater Plant	PURCHASED	9/12/2013	1,485	-	1,485	1,485	-	-	-
315	Wrf Upgrade Const October Expds	488201	BLD	Wastewater Plant	PURCHASED	10/15/2013	28,719	-	28,719	28,719	-	-	-
316	Wrf Upgrade Const November Expds	488202	BLD	Wastewater Plant	PURCHASED	11/14/2013	5,484	-	5,484	5,484	-	-	-
317	Wrf Upgrade Const December Expds	488203	BLD	Wastewater Plant	PURCHASED	12/17/2013	5,577	-	5,577	5,577	-	-	-
318	Wrf Upgrade Const February Expds	488204	BLD	Wastewater Plant	PURCHASED	2/10/2014	10,549	-	10,549	10,549	-	-	-
319	Wrf Upgrade Const March Expds	488205	BLD	Wastewater Plant	PURCHASED	3/29/2014	27,950	-	27,950	27,950	-	-	-
320	Wrf Upgrade Const May Expds	488206	BLD	Wastewater Plant	PURCHASED	5/23/2014	22,769	-	22,769	22,769	-	-	-
321	Wrf Upgrade Const June Expds	488207	BLD	Wastewater Plant	PURCHASED	6/30/2014	32,589	-	32,589	32,589	-	-	-
322	Wrf Upgrade Digester #3 Constr July Expds	488208	BLD	Wastewater Plant	PURCHASED	7/26/2014	13,732	-	13,732	13,732	-	-	-
323	Wrf Upgrade Digester #3 Constr Sept Expds	488210	BLD	Wastewater Plant	PURCHASED	9/27/2014	14,510	-	14,510	14,510	-	-	-
324	Wrf Upgrade Digester #3 Constr Nov Expds	488211	BLD	Wastewater Plant	PURCHASED	11/10/2014	9,257	-	9,257	9,257	-	-	-
325	Wrf Upgrade Digester #3 Constr Dec Expds	488212	BLD	Wastewater Plant	PURCHASED	12/12/2014	15,935	-	15,935	15,935	-	-	-
326	Upgrade Truck Barn:Jan Expds	488213	BLD	Wastewater Plant	PURCHASED	1/8/2015	2,165	-	2,165	-	-	-	2,165
327	Wrf Upgrade Digester #3 Constr:Jan Expds	488214	BLD	Wastewater Plant	PURCHASED	1/1/2015	22,040	-	22,040	22,040	-	-	-
328	Wrf Upgrade Digester #3 Constr Feb Expds	488216	BLD	Wastewater Plant	PURCHASED	2/1/2015	5,121	-	5,121	5,121	-	-	-

**City of Bozeman, Montana  
Wastewater Impact Fee Study**

**Classification of Existing Wastewater Utility System Assets III**

Line No.	Description	Asset ID	Type	Location	Acquired	Acquired Date	Asset Cost	Adjustments [2]	Adj. Acq. Amt.	Wastewater System			
										Treatment	Trans.	Collection	General Plant
329	Wrf Upgrade Digester #3 Constr March Expds	488217	BLD	Wastewater Plant	PURCHASED	3/1/2015	7,222	-	7,222	7,222	-	-	-
330	Wrf Upgrade:(2)Platforms W/Safety Railings:Chem Tk	488218	BLD	Wastewater Plant	PURCHASED	4/2/2015	9,905	-	9,905	9,905	-	-	-
331	Wrf Upgrade Digester #3 Constr April Expds	488219	BLD	Wastewater Plant	PURCHASED	4/8/2015	4,158	-	4,158	4,158	-	-	-
332	Wrf Upgrade Digester #3 Constr May Expds	488220	BLD	Wastewater Plant	PURCHASED	5/18/2015	6,050	-	6,050	6,050	-	-	-
333	Wrf Upgrade Const June Fy15 Expds	488221	BLD	Wastewater Plant	PURCHASED	6/26/2015	41,632	-	41,632	41,632	-	-	-
334	Wrf Upgrade Digester #3 Constr June Fy15 Expds	488222	BLD	Wastewater Plant	PURCHASED	6/30/2015	2,938	-	2,938	-	-	-	-
335	Wrf Upgrade Digester #3 Constr July Fy16 Expds	488223	BLD	Wastewater Plant	PURCHASED	7/30/2015	8,651	-	8,651	8,651	-	-	-
336	Wrf Upgrade Digester #3 Constr Aug Fy16 Expds	488224	BLD	Wastewater Plant	PURCHASED	8/30/2015	4,322	-	4,322	4,322	-	-	-
337	Wrf Upgrade Digester #3 Constr Sept Fy16 Expds	488225	BLD	Wastewater Plant	PURCHASED	9/30/2015	9,629	-	9,629	9,629	-	-	-
338	Wrf Upgrade Const Oct Fy16 Expds	488226	BLD	Wastewater Plant	PURCHASED	10/6/2015	265	-	265	265	-	-	-
339	Wrf Upgrade Digester #3 Constr Oct Fy16 Expds	488227	BLD	Wastewater Plant	PURCHASED	10/30/2015	1,766	-	1,766	1,766	-	-	-
340	Wrf Upgrade Const Nov Fy16 Expds	488228	BLD	Wastewater Plant	PURCHASED	11/16/2015	4,577	-	4,577	4,577	-	-	-
341	Wrf Upgrade Digester #3 Constr Nov Fy16 Expds	488229	BLD	Wastewater Plant	PURCHASED	11/30/2015	802	-	802	802	-	-	-
342	Wrf Upgrade Digester #3 Constr Dec Fy16 Expds	488230	BLD	Wastewater Plant	PURCHASED	12/26/2015	6,029	-	6,029	6,029	-	-	-
343	Wrf Upgrade Const Jan Fy16 Expds	488231	BLD	Wastewater Plant	PURCHASED	1/29/2016	4,427	-	4,427	4,427	-	-	-
344	Wrf Upgrade Const March Fy16 Expds	488232	BLD	Wastewater Plant	PURCHASED	3/31/2016	4,597	-	4,597	4,597	-	-	-
345	Wrf Upgrade Digester #3 Constr March Fy16 Expds	488233	BLD	Wastewater Plant	PURCHASED	3/2/2016	5,267	-	5,267	5,267	-	-	-
346	Wrf Upgrade Const May Fy16 Expds	488234	BLD	Wastewater Plant	PURCHASED	5/25/2016	3,665	-	3,665	3,665	-	-	-
347	Wrf Upgrade Const Phase 1:July Expds Fy17	488235	BLD	Wastewater Plant	PURCHASED	7/31/2016	2,493	-	2,493	2,493	-	-	-
348	Wrf Upgrade Const Phase 1:Sept Expds Fy17	488236	BLD	Wastewater Plant	PURCHASED	9/30/2016	3,490	-	3,490	3,490	-	-	-
349	Wrf Upgrade Const Phase 1:Oct Expds Fy17	488237	BLD	Wastewater Plant	PURCHASED	10/10/2016	13,003	-	13,003	13,003	-	-	-
350	Wrf Upgrade Const Phase 1:Jan Expds Fy17	488238	BLD	Wastewater Plant	PURCHASED	1/10/2017	6,681	-	6,681	6,681	-	-	-
351	Wrf Upgrade Const Phase 1:Feb Expds Fy17	488239	BLD	Wastewater Plant	PURCHASED	2/13/2017	10,159	-	10,159	10,159	-	-	-
352	Wrf Upgrade Const Phase 1:April Expds Fy17	488240	BLD	Wastewater Plant	PURCHASED	4/11/2017	11,295	-	11,295	11,295	-	-	-
353	Wrf Upgrade Const Phase 1:May Expds Fy17	488241	BLD	Wastewater Plant	PURCHASED	5/8/2017	3,151	-	3,151	3,151	-	-	-
354	New Complex	4890	BLD	Wastewater Plant	PURCHASED	7/1/1998	25,000	-	25,000	25,000	-	-	-
355	Air Conditioning System	4891	BLD	Wastewater Plant	PURCHASED	2/15/2002	5,300	-	5,300	5,300	-	-	-
356	Wastewater Treatment Plant	11770	IMP	Wastewater Plant	PURCHASED	7/1/1998	266,678	-	266,678	266,678	-	-	-
357	Wastewater Treatment Plant	11771	IMP	Wastewater Plant	PURCHASED	7/1/1998	316,434	-	316,434	316,434	-	-	-
358	Wastewater Treatment Plant	11772	IMP	Wastewater Plant	PURCHASED	7/1/2002	270,162	-	270,162	270,162	-	-	-
359	New Plant	5000	IMP	Wastewater Plant	PURCHASED	7/1/1998	756,830	-	756,830	756,830	-	-	-
360	Sludge Lagoon Expansion	25710	LAN	Wastewater Plant	PURCHASED	7/1/1998	599,255	-	599,255	599,255	-	-	-
361	Final Sludge Payment	25711	LAN	Wastewater Plant	PURCHASED	3/1/2000	30,000	-	30,000	30,000	-	-	-
362	Sewage Disposal	4830	LAN	Wastewater Plant	PURCHASED	7/1/1998	8,000	-	8,000	8,000	-	-	-
363	Wonderware Scada Software-Dec	125881	M&E	Water Treatment Plant	PURCHASED	12/16/2014	8,646	-	8,646	2,882	2,882	2,882	-
364	Cisco	310241	M&E	Cisco Phone System	PURCHASED	9/15/2002	5	-	5	-	-	-	5
365	Cisco	310258	M&E	Cisco Phone System	PURCHASED	1/15/2003	230	-	230	-	-	-	230
366	Cisco	310298	M&E	Cisco Phone System	PURCHASED	2/15/2003	3	-	3	-	-	-	3
367	Cisco	3102115	M&E	Cisco Phone System	PURCHASED	5/15/2003	209	-	209	-	-	-	209
368	Iseries+P7 V7Ri Os Upgrade:Sungard Srvr Operat Sys	32975	M&E	City Hall:121 N.Rouse	PURCHASED	6/6/2012	1,020	-	1,020	-	-	-	1,020
369	Hte Click2Gov:Digital Certificate-Cx	332428	M&E	Hte Software	PURCHASED	12/1/2006	120	-	120	-	-	-	120
370	Hte Click2Gov:Core Module #20061445	332437	M&E	Hte Software	PURCHASED	12/1/2006	620	-	620	-	-	-	620
371	Hte Click2Gov:Cx Utility Billing	332444	M&E	Hte Software	PURCHASED	12/1/2006	1,390	-	1,390	-	-	-	1,390
372	Hte Click2Gov:Tax Billing Module (Sid Billing)	332453	M&E	Hte Software	PURCHASED	12/1/2006	1,938	-	1,938	-	-	-	1,938
373	Hte Click2Gov:Final Core Module Install	332470	M&E	Hte Software	PURCHASED	3/23/2007	300	-	300	-	-	-	300
374	Hte Click2Gov:Tax Cc Activation Installation	332481	M&E	Hte Software	PURCHASED	3/23/2007	163	-	163	-	-	-	163
375	Hte Click2Gov:Tax Billing+Collect Final Install	332489	M&E	Hte Software	PURCHASED	3/23/2007	225	-	225	-	-	-	225
376	Hte Click2Gov:Util Cc Activation Installation	332495	M&E	Hte Software	PURCHASED	3/23/2007	217	-	217	-	-	-	217
377	Hte Click2Gov:Util Cx Final Installation	3324101	M&E	Hte Software	PURCHASED	3/23/2007	300	-	300	-	-	-	300
378	Server-Data Backup Managr:S14974.55 Split Citywide	3324146	M&E	Information Technology	PURCHASED	11/1/2007	599	-	599	-	-	-	599
379	P7-New As400 Software/Hardware	36144	M&E	City Hall:121 N.Rouse	PURCHASED	6/28/2011	5,187	-	5,187	-	-	-	5,187
380	Wrf Upgrade:Plc Software	488209	M&E	Wastewater Plant	PURCHASED	9/1/2014	15,039	-	15,039	15,039	-	-	-
381	Sigma Sampler	17140	M&E	Wastewater Plant	PURCHASED	7/1/1998	10,456	-	10,456	10,456	-	-	-
382	Tiger Tractor 6610 Mower	22310	M&E	Wastewater Plant	PURCHASED	6/30/2012	0	-	0	-	-	-	0
383	Compressor Flotation	26780	M&E	Wastewater Plant	PURCHASED	7/1/1998	8,975	-	8,975	8,975	-	-	-



**City of Bozeman, Montana  
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**Classification of Existing Wastewater Utility System Assets III**

Line No.	Description	Asset ID	Type	Location	Acquired	Acquired Date	Asset Cost	Adjustments [2]	Adj. Acq. Amt.	Wastewater System			General Plant
										Treatment	Trans.	Collection	
384	2000 Alumacraft John Boat, Oars & Oar Locks	28830	M&E	Wastewater Plant	PURCHASED	6/30/2012	0	-	0	-	-	-	0
385	Gehl Skid Steer	29110	M&E	Wastewater Plant	PURCHASED	1/15/2001	14,425	-	14,425	-	-	-	14,425
386	Gehl Skid Steer Boom	29111	M&E	Wastewater Plant	PURCHASED	1/10/2001	2,650	-	2,650	-	-	-	2,650
387	2001 Sludge Injector (Terra-Gator)	29570	M&E	Wastewater Plant	PURCHASED	12/4/2000	195,790	-	195,790	-	-	-	195,790
388	Toro Mower	30910	M&E	Wastewater Plant	PURCHASED	8/23/2001	6,500	-	6,500	-	-	-	6,500
389	Flump (Dredge)	31850	M&E	Wastewater Plant	PURCHASED	3/15/2003	88,819	-	88,819	88,819	-	-	-
390	Flump (Dredge)	31851	M&E	Wastewater Plant	PURCHASED	3/15/2003	4,110	-	4,110	4,110	-	-	-
391	Bush Hog Rotary Cutter	32900	M&E	Wastewater Plant	PURCHASED	12/8/2004	5,400	-	5,400	-	-	-	5,400
392	Toolcat, Model 5600	32920	M&E	Wastewater Plant	PURCHASED	3/16/2005	39,900	-	39,900	-	-	-	39,900
393	Sigma Portable Sampler (Wwtp)	33880	M&E	Wastewater Plant	PURCHASED	11/16/2006	6,434	-	6,434	-	-	-	6,434
394	2008 Freighliner Semi-Truck 999Ds	34120	M&E	Wastewater Plant	PURCHASED	12/27/2007	92,003	-	92,003	-	-	-	92,003
395	2008 Freighliner Semi-Truck 999Ds	34130	M&E	Wastewater Plant	PURCHASED	12/27/2007	88,860	-	88,860	-	-	-	88,860
396	2008 Freighliner Semi-Truck 999Ds:Add Options	34131	M&E	Wastewater Plant	PURCHASED	1/1/2008	3,143	-	3,143	-	-	-	3,143
397	Lachat Quikchem 8500 Unit/Diluter & Block Digester	35980	M&E	Wastewater Plant	PURCHASED	10/1/2010	48,780	-	48,780	48,780	-	-	-
398	S650 Bobcat Skid Steer	36090	M&E	Wastewater Plant	PURCHASED	7/7/2011	32,943	-	32,943	-	-	-	32,943
399	20Yd Tub Drop Box Rolloff For Wrf:Sludge To Logan	37610	M&E	Wastewater Plant	PURCHASED	2/1/2015	10,642	-	10,642	10,642	-	-	-
400	Exterior Removeable Shade For Wrf	37770	M&E	Wastewater Plant	PURCHASED	6/28/2015	8,788	-	8,788	8,788	-	-	-
401	1982 Progress Tank Trailer	550	M&E	Wastewater Plant	PURCHASED	6/30/2012	0	-	0	-	-	-	0
402	1982 Progress Tank Trailer	21760	VEH	Wastewater Plant	PURCHASED	7/1/1998	28,366	-	28,366	-	-	-	28,366
403	1982 Toyota Pickup	3120	VEH	Wastewater Plant	PURCHASED	6/30/2012	0	-	0	-	-	-	0
404	2003 Ford F250 4X4	31300	VEH	Wastewater Plant	PURCHASED	6/30/2012	0	-	0	-	-	-	0
405	2006 Gmc Sierra Pickup For Wwtp	33310	VEH	Wastewater Plant	PURCHASED	6/1/2006	18,844	-	18,844	-	-	-	18,844
406	2006 Jeep Liberty 4X4 For Wwtp	33360	VEH	Wastewater Plant	PURCHASED	3/8/2006	18,558	-	18,558	-	-	-	18,558
407	2015 Toyota Prius (White)	37780	VEH	Wastewater Plant	PURCHASED	7/2/2015	22,975	-	22,975	-	-	-	22,975
408	1982 Chevy 4X4 Service Truck	970	VEH	Wastewater Plant	PURCHASED	6/30/2012	0	-	0	-	-	-	0
409	Epa Grant Fy02 Wastewater Facilities Proj-56Ep04	32069	IMP	Wastewater Plant	GRANT	6/30/2002	28,063	-	28,063	28,063	-	-	-
410	Epa Grant Wwtp Fy04	320614	IMP	Wastewater Plant	GRANT	8/31/2003	11,852	-	11,852	11,852	-	-	-
411	Wwtp Epa Grant Fy04	320616	IMP	Wastewater Plant	GRANT	9/29/2003	15,960	-	15,960	15,960	-	-	-
412	Wwtp Epa Grant Fy04	320617	IMP	Wastewater Plant	GRANT	9/16/2003	5,906	-	5,906	5,906	-	-	-
413	Epa Grant Fy04 Wastewater Facilities Proj 56Ep04	320619	IMP	Wastewater Plant	GRANT	10/15/2003	1,378	-	1,378	1,378	-	-	-
414	Ep Grant Fy04 Wastewater Facilities Proj 56Ep05	320620	IMP	Wastewater Plant	GRANT	10/15/2003	1,920	-	1,920	1,920	-	-	-
415	Epa Grant Fy04 Wastewater Facilities Proj 56Ep05	320623	IMP	Wastewater Plant	GRANT	11/15/2003	1,343	-	1,343	1,343	-	-	-
416	Epa Grant Fy04 Wastewater Facilities Proj	320624	IMP	Wastewater Plant	GRANT	12/15/2003	216,224	-	216,224	216,224	-	-	-
417	Epa Grant Fy04 Wastewater Facilities Proj	320625	IMP	Wastewater Plant	GRANT	12/15/2003	258,968	-	258,968	258,968	-	-	-
418	Epa Grant Fy04 Wastewater Facilities Proj	320627	IMP	Wastewater Plant	GRANT	1/15/2004	187,941	-	187,941	187,941	-	-	-
419	Epa Grant Fy04 Wastewater Facilities Proj	320628	IMP	Wastewater Plant	GRANT	1/15/2004	229,952	-	229,952	229,952	-	-	-
420	Epa Grant Fy04 Wastewater Facilities Proj	320631	IMP	Wastewater Plant	GRANT	2/15/2004	2,742	-	2,742	2,742	-	-	-
421	Epa Grant Fy04 Wastewater Facilities Proj	320632	IMP	Wastewater Plant	GRANT	2/15/2004	14,881	-	14,881	14,881	-	-	-
422	Epa Grant Fy04 Wastewater Facilities Proj	320634	IMP	Wastewater Plant	GRANT	3/15/2004	91,335	-	91,335	91,335	-	-	-
423	Epa Grant Fy04 Wastewater Facilities	320635	IMP	Wastewater Plant	GRANT	3/15/2004	3,276	-	3,276	3,276	-	-	-
424	Epa Grant Fy04 Eastewater Facilities Proj-56Ep04	320637	IMP	Wastewater Plant	GRANT	4/15/2004	153,132	-	153,132	153,132	-	-	-
425	Epa Grant Fy04 Project 56Ep05	320638	IMP	Wastewater Plant	GRANT	4/27/2004	2,374	-	2,374	2,374	-	-	-
426	Epa Grant Fy04	320643	IMP	Wastewater Plant	GRANT	5/15/2004	1,536	-	1,536	1,536	-	-	-
427	Epa Grant Fy04 Wastewater Facilities	320646	IMP	Wastewater Plant	GRANT	6/9/2004	575,665	-	575,665	575,665	-	-	-
428	Epa Grant Fy04 - Wastewater Facilities	320647	IMP	Wastewater Plant	GRANT	6/15/2004	68,966	-	68,966	68,966	-	-	-
429	Epa Chronicle Ads	320649	IMP	Wastewater Plant	GRANT	6/15/2004	678	-	678	678	-	-	-
430	Epa Grant 56Ep04	320652	IMP	Wastewater Plant	GRANT	7/15/2004	399,674	-	399,674	399,674	-	-	-
431	Epa Grant 56Ep05	320653	IMP	Wastewater Plant	GRANT	7/15/2004	5,326	-	5,326	5,326	-	-	-
432	Epa Grant 56Ep04	320655	IMP	Wastewater Plant	GRANT	8/15/2004	433,016	-	433,016	433,016	-	-	-
433	Epa Grant 56Ep04	320657	IMP	Wastewater Plant	GRANT	9/15/2004	8,101	-	8,101	8,101	-	-	-
434	Epa Grant 56Ep04	320659	IMP	Wastewater Plant	GRANT	10/15/2004	365,953	-	365,953	365,953	-	-	-
435	Epa Grant 56Ep05	320660	IMP	Wastewater Plant	GRANT	10/15/2004	5,000	-	5,000	5,000	-	-	-
436	Epa Grant 56Ep04	320666	IMP	Wastewater Plant	GRANT	1/15/2005	9,215	-	9,215	9,215	-	-	-
437	Epa Grant 56Ep04	320667	IMP	Wastewater Plant	GRANT	3/15/2005	8,978	-	8,978	8,978	-	-	-
438	Epa Grant 56Ep04	320669	IMP	Wastewater Plant	GRANT	4/15/2005	4,891	-	4,891	4,891	-	-	-

**City of Bozeman, Montana  
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**Classification of Existing Wastewater Utility System Assets III**

Line No.	Description	Asset ID	Type	Location	Acquired	Acquired Date	Asset Cost	Adjustments [2]	Adj. Acq. Amt.	Wastewater System			General Plant
										Treatment	Trans.	Collection	
439	Epa Grant 56Ep04	320680	IMP	Wastewater Plant	GRANT	6/15/2005	152,955	-	152,955	152,955	-	-	-
440	N Rouse Sewer Construction Services Thru 7/15/05	320682	IMP	Wastewater Plant	PURCHASED	7/15/2005	9,474	-	9,474	-	-	9,474	-
441	N Rouse Trunk Swr Main Settlement Agreement 9/13/05	320689	IMP	Wastewater Plant	PURCHASED	12/15/2005	277,709	-	277,709	-	-	277,709	-
442	Epa Grant Fy01 Wastewater Facilities Proj-56Ep02	32063	BLD	Wastewater Plant	GRANT	6/30/2002	68,274	-	68,274	68,274	-	-	-
443	Epa Grant Fy02 Wastewater Facilities Proj-56Ep02	32064	BLD	Wastewater Plant	GRANT	6/30/2002	162,517	-	162,517	162,517	-	-	-
444	Epa Grant Fy03 Wastewater Facilities Proj-56Ep02	32065	BLD	Wastewater Plant	GRANT	7/1/2002	2,030,735	-	2,030,735	2,030,735	-	-	-
445	Epa Grant Fy03 Wastewater Facilities Proj-56Ep06	320612	BLD	Wastewater Plant	GRANT	7/1/2002	22,393	-	22,393	22,393	-	-	-
446	Epa Grant Wwtp Fy04	320613	BLD	Wastewater Plant	GRANT	8/21/2003	182,364	-	182,364	182,364	-	-	-
447	Wwtp Epa Fy04	320615	BLD	Wastewater Plant	GRANT	9/19/2003	162,593	-	162,593	162,593	-	-	-
448	Epa Grant Fy04 Wastewater Facilities Proj 56Ep02	320618	BLD	Wastewater Plant	GRANT	10/15/2003	14,710	-	14,710	14,710	-	-	-
449	Epa Grant Fy04 Wastewater Facilities Proj 56Ep06	320621	BLD	Wastewater Plant	GRANT	10/15/2003	59,929	-	59,929	59,929	-	-	-
450	Epa Grant Fy04 Wastewater Facilities Proj 56Ep02	320622	BLD	Wastewater Plant	GRANT	11/15/2003	3,128	-	3,128	3,128	-	-	-
451	Epa Grant Fy04 Wastewater Facilities Proj	320629	BLD	Wastewater Plant	GRANT	1/15/2004	124,490	-	124,490	124,490	-	-	-
452	Epa Grant Fy04 Wastewater Facilities Proj	320630	BLD	Wastewater Plant	GRANT	2/15/2004	41,111	-	41,111	41,111	-	-	-
453	Epa Grant Fy04 Wastewater Facilities	320633	BLD	Wastewater Plant	GRANT	3/15/2004	415	-	415	415	-	-	-
454	Epa Grant Fy04 Wastewater Facilities	320636	BLD	Wastewater Plant	GRANT	3/15/2004	27,476	-	27,476	27,476	-	-	-
455	Professional Engineering Services	320640	BLD	Wastewater Plant	PURCHASED	3/29/2004	13,557	-	13,557	13,557	-	-	-
456	Epa Grant Fy02	320642	BLD	Wastewater Plant	GRANT	5/15/2004	100,000	-	100,000	100,000	-	-	-
457	Epa Grant Fy04	320644	BLD	Wastewater Plant	GRANT	5/15/2004	284	-	284	284	-	-	-
458	Epa Grant Fy02 Wastewater Facilities	320645	BLD	Wastewater Plant	GRANT	6/15/2004	25,010	-	25,010	25,010	-	-	-
459	Epa Grant Fy04 Wastewater Facilities	320648	BLD	Wastewater Plant	GRANT	6/15/2004	32,092	-	32,092	32,092	-	-	-
460	Epa Grant	320650	BLD	Wastewater Plant	GRANT	6/15/2004	217,009	-	217,009	217,009	-	-	-
461	Epa Grant 56Ep06	320654	BLD	Wastewater Plant	GRANT	7/15/2004	4,709	-	4,709	4,709	-	-	-
462	Epa Grant 56Ep06	320656	BLD	Wastewater Plant	GRANT	8/15/2004	466,149	-	466,149	466,149	-	-	-
463	Epa Grant 56Ep06	320658	BLD	Wastewater Plant	GRANT	9/15/2004	180,208	-	180,208	180,208	-	-	-
464	Epa Grant 56Ep06	320661	BLD	Wastewater Plant	GRANT	10/15/2004	9,496	-	9,496	9,496	-	-	-
465	Epa Grant 56Ep06	320663	BLD	Wastewater Plant	GRANT	11/15/2004	542,285	-	542,285	542,285	-	-	-
466	Epa Grant	320665	BLD	Wastewater Plant	GRANT	12/15/2004	479,119	-	479,119	479,119	-	-	-
467	Epa Grant 56E906	320668	BLD	Wastewater Plant	GRANT	3/15/2005	24,094	-	24,094	24,094	-	-	-
468	Epa Grant Fy06	320670	BLD	Wastewater Plant	GRANT	4/15/2005	7,998	-	7,998	7,998	-	-	-
469	Epa Grant 56Ep06	320672	BLD	Wastewater Plant	GRANT	5/15/2005	263,892	-	263,892	263,892	-	-	-
470	Epa Grant 56Ep06	320681	BLD	Wastewater Plant	GRANT	6/15/2005	9,929	-	9,929	9,929	-	-	-
471	2003 Wwtp Clarifier/Hdws Scada-Svcs Thru 8/12/05	320683	BLD	Wastewater Plant	PURCHASED	8/12/2005	3,512	-	3,512	3,512	-	-	-
472	2003 Epa Wwtp Mod Project Services Thru 9/9/05	320684	BLD	Wastewater Plant	GRANT	9/9/2005	4,141	-	4,141	4,141	-	-	-
473	2003 Wwtp Modification:Final Payment +1% Dor	320685	BLD	Wastewater Plant	PURCHASED	10/1/2005	83,662	-	83,662	83,662	-	-	-
474	Trolley Hoist Install-Headworks:Epa Grant	320686	BLD	Wastewater Plant	GRANT	10/19/2005	8,497	-	8,497	8,497	-	-	-
475	Wwtp Modif Project Const Insp Thru 10/14-11/11/05	320687	BLD	Wastewater Plant	PURCHASED	11/11/2005	8,248	-	8,248	8,248	-	-	-
476	Change Orders-Trolley Crane Epa Wwtp Fac Grant	320688	BLD	Wastewater Plant	GRANT	11/21/2005	1,710	-	1,710	1,710	-	-	-
477	Wwtp Modif Project Prof Svcs 11/11-12/09/05	320690	BLD	Wastewater Plant	PURCHASED	12/9/2005	3,999	-	3,999	3,999	-	-	-
478	03 Wwtp Clarifier/Hdws Scada/Svcs Thru 4/28/06	320691	BLD	Wastewater Plant	PURCHASED	5/1/2006	147	-	147	147	-	-	-
479	Epa Grant Fy01 Wastewater Facilities Proj-56Ep03	32066	IMP	Wastewater Plant	GRANT	6/30/2002	78,700	-	78,700	78,700	-	-	-
480	Epa Grant Fy02 Wastewater Facilities Proj-56Ep03	32067	IMP	Wastewater Plant	GRANT	6/30/2002	9,700	-	9,700	9,700	-	-	-
481	Epa Grant Fy03 Wastewater Facilities Proj-56Ep03	32068	IMP	Wastewater Plant	GRANT	7/1/2002	529,845	-	529,845	529,845	-	-	-
482	Epa Grant Fy03 Wastewater Facilities Proj-56Ep04	320610	IMP	Wastewater Plant	GRANT	7/1/2002	118,263	-	118,263	118,263	-	-	-
483	Epa Grant Fy03 Wastewater Facilities Proj-56Ep05	320611	IMP	Wastewater Plant	GRANT	7/1/2002	100,066	-	100,066	100,066	-	-	-
484	Epa Grant General Entries Facilities Proj-56Ep01	32060	IMP	Wastewater Plant	GRANT	6/30/2002	157,484	-	157,484	157,484	-	-	-
485	Epa Grant Fy01 Wastewater Facilities Proj-56Ep01	32061	IMP	Wastewater Plant	GRANT	6/30/2002	213	-	213	213	-	-	-
486	Epa Grant Fy02 Wastewater Facilities Proj-56Ep01	32062	IMP	Wastewater Plant	GRANT	6/30/2002	4,049	-	4,049	4,049	-	-	-
487	Software System	320641	M&E	Wastewater Plant	PURCHASED	4/15/2004	21,384	-	21,384	-	-	-	21,384
488	Wwtp	4883	BLD	Wastewater Plant	PURCHASED	9/25/2003	580	-	580	580	-	-	-
489	Building Design Wwtp	4884	BLD	Wastewater Plant	PURCHASED	3/15/2005	2,369	-	2,369	2,369	-	-	-
490	Wwtp Storage Building	4885	BLD	Wastewater Plant	PURCHASED	4/15/2005	1,957	-	1,957	1,957	-	-	-
491	Wwtp Maintenance Building	4886	BLD	Wastewater Plant	PURCHASED	5/15/2005	6,765	-	6,765	6,765	-	-	-
492	Wwtp Modification	4887	BLD	Wastewater Plant	PURCHASED	6/15/2005	1,845	-	1,845	1,845	-	-	-
493	Wwtp Maintenance Building Svcs Thru 7/29/05	4888	BLD	Wastewater Plant	PURCHASED	8/17/2005	1,381	-	1,381	1,381	-	-	-

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Classification of Existing Wastewater Utility System Assets III

Line No.	Description	Asset ID	Type	Location	Acquired	Acquired Date	Asset Cost	Adj. Acq. Amt.	Wastewater System				
									Adjustments [2]	Treatment	Trans.	Collection	General Plant
494	Wwtp Storage Building Bidding & Neg Svcs-10/14	4889	BLD	Wastewater Plant	PURCHASED	10/14/2005	853	-	853	853	-	-	-
495	Wwtp Maint Bldg Eng Svc Thru 11/14/05	48810	BLD	Wastewater Plant	PURCHASED	11/4/2005	833	-	833	833	-	-	-
496	Light Fixtures(27)/Lamps-60	48811	BLD	Wastewater Plant	PURCHASED	12/23/2005	2,633	-	2,633	2,633	-	-	-
497	Wwtp Maint Bldg Constr Phase Svcs Thru 12/16/05	48812	BLD	Wastewater Plant	PURCHASED	12/16/2005	1,331	-	1,331	1,331	-	-	-
498	Wwtp Storage Bldg Proj(Ingrm-Clev&Mm) Const+1%Dor	48813	BLD	Wastewater Plant	PURCHASED	1/1/2006	103,089	-	103,089	103,089	-	-	-
499	2003 Wwtp Modifications Insp Svcs 12/10-1/27/06	48814	BLD	Wastewater Plant	PURCHASED	2/1/2006	3,314	-	3,314	3,314	-	-	-
500	Wwtp Maint Bldg 01/27/06 Construction Phase Svcs	48815	BLD	Wastewater Plant	PURCHASED	2/1/2006	428	-	428	428	-	-	-
501	Wwtp Storage Bldg Project Const Svcs Thru 3/24/06	48816	BLD	Wastewater Plant	PURCHASED	3/24/2006	108,910	-	108,910	108,910	-	-	-
502	Wwtp Storage Bldg Project Const Svcs Thru 4/24/06	48817	BLD	Wastewater Plant	PURCHASED	4/24/2006	139,761	-	139,761	139,761	-	-	-
503	Wwtp Storage Bldg Project Const Svcs Thru 5/22/06	48818	BLD	Wastewater Plant	PURCHASED	5/23/2006	46,460	-	46,460	46,460	-	-	-
504	Wwtp Storage Bldg Project Const Svcs Thru 6/28/06	48819	BLD	Wastewater Plant	PURCHASED	6/28/2006	56,612	-	56,612	56,612	-	-	-
505	Wwtp Reroofing Project-3/1-5/31/06//Thinkone Dba	48820	BLD	Wastewater Plant	PURCHASED	6/8/2006	5,325	-	5,325	5,325	-	-	-
506	Landscaping/Edging & Replace Faulty Wall Station	48821	BLD	Wastewater Plant	PURCHASED	7/7/2006	847	-	847	-	-	-	847
507	Wwtp Reroofing Proj Design Svcs 7/1-7/31/06	48822	BLD	Wastewater Plant	PURCHASED	7/31/2006	715	-	715	715	-	-	-
508	Wwtp Roofing Proj 8/06 Design & Bidding Services	48823	BLD	Wastewater Plant	PURCHASED	9/19/2006	3,195	-	3,195	3,195	-	-	-
509	Wwtp Reroofing Proj:Bidding Svcs 2/1-2/28/07	48824	BLD	Wastewater Plant	PURCHASED	2/28/2007	717	-	717	717	-	-	-
510	Wwtp Upgrade-Early Out Prof Svcs Thru 2/3/07	48825	BLD	Wastewater Plant	PURCHASED	2/20/2007	9,770	-	9,770	9,770	-	-	-
511	Wwtp Early Out Proj:Design Svcs Thru 2/16/07	48826	BLD	Wastewater Plant	PURCHASED	3/1/2007	35,142	-	35,142	35,142	-	-	-
512	Wwtp Early Out Proj:Design Svcs Thru 3/31/07	48827	BLD	Wastewater Plant	PURCHASED	3/31/2007	2,997	-	2,997	2,997	-	-	-
513	Wwtp Reroofing Proj:Bidding Svcs 3/1-4/20/07	48828	BLD	Wastewater Plant	PURCHASED	4/23/2007	2,968	-	2,968	2,968	-	-	-
514	Wwtp Upgrade Proj:Design Svcs Thru 3/31/07	48829	BLD	Wastewater Plant	PURCHASED	4/30/2007	5,424	-	5,424	5,424	-	-	-
515	Wwtp Early Out Proj:Design Svcs Thru 3/31/07	48830	BLD	Wastewater Plant	PURCHASED	4/30/2007	22,034	-	22,034	22,034	-	-	-
516	Wwtp Reroofing Proj:Bidding/Nego 4/23-27 & 5/1/07	48831	BLD	Wastewater Plant	PURCHASED	5/29/2007	788	-	788	788	-	-	-
517	Wwtp Upgrade Proj:Design Svcs Thru 4/28/07	48832	BLD	Wastewater Plant	PURCHASED	6/11/2007	22,871	-	22,871	22,871	-	-	-
518	Wwtp Early Out Proj:Design Svcs Thru 4/28/07	48833	BLD	Wastewater Plant	PURCHASED	6/11/2007	21,192	-	21,192	21,192	-	-	-
519	Wwtp Upgrade Proj:Ph I-Design Svcs Thru 6/30/07	48834	BLD	Wastewater Plant	PURCHASED	6/30/2007	111,987	-	111,987	111,987	-	-	-
520	Wwtp Upgrade Proj:Design Svcs Thru 6/30/07	48835	BLD	Wastewater Plant	PURCHASED	6/30/2007	11,440	-	11,440	11,440	-	-	-
521	Wwtp Early Out Proj:Design Svcs 7/1-8/4/07	48836	BLD	Wastewater Plant	PURCHASED	7/31/2007	1,306	-	1,306	1,306	-	-	-
522	Wwtp Reroofing Proj:Bidding Svc 5/21-7/31	48837	BLD	Wastewater Plant	PURCHASED	8/7/2007	2,767	-	2,767	2,767	-	-	-
523	Wwtp Reroofing Proj:Constr Admin Svcs 8/7-8/22/07	48838	BLD	Wastewater Plant	PURCHASED	8/31/2007	1,380	-	1,380	1,380	-	-	-
524	Wwtp Upgrade Proj:Constr Svcs Thru 8/4/07	48839	BLD	Wastewater Plant	PURCHASED	8/9/2007	145,079	-	145,079	145,079	-	-	-
525	Wwtp Upgrade Proj:Design Svcs Thru 9/1/07	48840	BLD	Wastewater Plant	PURCHASED	8/31/2007	2,565	-	2,565	2,565	-	-	-
526	Wwtp Reroofing Proj:Constr Svcs Thru 8/31/07	48841	BLD	Wastewater Plant	PURCHASED	9/1/2007	101,762	-	101,762	101,762	-	-	-
527	Wwtp Reroofing:1% Grt (Metalworks) Thru 8/31/07	48842	BLD	Wastewater Plant	PURCHASED	9/1/2007	1,028	-	1,028	1,028	-	-	-
528	Wwtp Upgrade Proj:Design Svcs Thru 9/1/07 Ph 1	48843	BLD	Wastewater Plant	PURCHASED	9/27/2007	285,402	-	285,402	285,402	-	-	-
529	Wwtp Upgrade Proj:Constr Svcs Thru 9/29/07	48844	BLD	Wastewater Plant	PURCHASED	9/30/2007	5,173	-	5,173	5,173	-	-	-
530	Wwtp Upgrade Proj:Design Svcs Thru 9/29/07	48845	BLD	Wastewater Plant	PURCHASED	9/30/2007	172,447	-	172,447	172,447	-	-	-
531	Wwtp Early Out:Constr Svcs Thru 11/08/07 Phase I	48846	BLD	Wastewater Plant	PURCHASED	10/31/2007	46,089	-	46,089	46,089	-	-	-
532	Wwtp Early Out:Constr Svcs Thru 11/08/07 1%Grt	48847	BLD	Wastewater Plant	PURCHASED	10/31/2007	466	-	466	466	-	-	-
533	Wwtp Early Out:Mixer Equip Purchase Phase I	48848	BLD	Wastewater Plant	PURCHASED	10/31/2007	25,305	-	25,305	25,305	-	-	-
534	Wwtp Modifications Discharge Permit App Fee	48850	BLD	Wastewater Plant	PURCHASED	11/7/2007	4,000	-	4,000	4,000	-	-	-
535	Wwtp Upgrade Proj:Constr Svcs Thru 10/27/07	48851	BLD	Wastewater Plant	PURCHASED	11/12/2007	2,637	-	2,637	2,637	-	-	-
536	Wwtp Upgrade Proj:Design Svcs Thru 11/24/07	48852	BLD	Wastewater Plant	PURCHASED	11/30/2007	234,044	-	234,044	234,044	-	-	-
537	Wwtp Upgrade Proj:Design Svcs Thru 10/27/07	48853	BLD	Wastewater Plant	PURCHASED	11/30/2007	5,960	-	5,960	5,960	-	-	-
538	Wwtp Early Out:Constr Svcs Thru 12/14/07 Phase I	48855	BLD	Wastewater Plant	PURCHASED	12/18/2007	3,207	-	3,207	3,207	-	-	-
539	Wwtp Early Out:Constr Svcs Thru 12/14/07 1%Grt	48856	BLD	Wastewater Plant	PURCHASED	12/14/2007	32	-	32	32	-	-	-
540	Wwtp Early Out:Mixer Equip Purchase Phase I	48857	BLD	Wastewater Plant	PURCHASED	12/18/2007	15,816	-	15,816	15,816	-	-	-
541	Wwtp Early Out:Inspection Svcs 11/25-12/29/07	48858	BLD	Wastewater Plant	PURCHASED	12/29/2007	2,965	-	2,965	2,965	-	-	-
542	Wwtp Upgrade Proj:Design Svcs Thru 12/29/07	48859	BLD	Wastewater Plant	PURCHASED	12/29/2007	407,030	-	407,030	407,030	-	-	-
543	Wwtp Upgrade Proj:Design Svcs Thru 10/27/07	48860	BLD	Wastewater Plant	PURCHASED	12/31/2007	177,596	-	177,596	177,596	-	-	-
544	Wwtp Upgrade Proj:Planning Review Fees	48861	BLD	Wastewater Plant	PURCHASED	1/22/2008	400	-	400	400	-	-	-
545	Wwtp Upgrade Proj:Design Svcs Thru 2/2/08	48862	BLD	Wastewater Plant	PURCHASED	1/31/2008	439,551	-	439,551	439,551	-	-	-
546	Wwtp Upgrade Proj:Prof Svcs Thru 3/1/08 Phase 1	48863	BLD	Wastewater Plant	PURCHASED	3/24/2008	352,750	-	352,750	352,750	-	-	-
547	Wwtp Upgrade Proj:Prof Svcs Thru 3/29/08 Phase 1	48864	BLD	Wastewater Plant	PURCHASED	4/16/2008	340,463	-	340,463	340,463	-	-	-
548	Wwtp Early Out:Constr Svcs Thru 04/21/08 Phase I	48865	BLD	Wastewater Plant	PURCHASED	4/21/2008	5,682	-	5,682	5,682	-	-	-

City of Bozeman, Montana  
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Classification of Existing Wastewater Utility System Assets III

Line No.	Description	Asset ID	Type	Location	Acquired	Acquired Date	Asset Cost	Adj. Acq. Amt.	Wastewater System				General Plant
									Adjustments [2]	Treatment	Trans.	Collection	
549	Wwtp Early Out:Constr Svcs Thru 04/21/08 1% Grt	48866	BLD	Wastewater Plant	PURCHASED	4/21/2008	57	57	57	-	-	-	-
550	Wwtp Upgrade Proj:Design Svcs Thru 3/29/08	48869	BLD	Wastewater Plant	PURCHASED	5/12/2008	253,286	253,286	253,286	-	-	-	-
551	Wwtp Early Out:Mixer Equip Purchase Phase I	48870	BLD	Wastewater Plant	PURCHASED	5/27/2008	3,274	3,274	3,274	-	-	-	-
552	Wwtp Upgrade Proj:Design Svcs Thru 5/24/08	48871	BLD	Wastewater Plant	PURCHASED	6/19/2008	295,523	295,523	295,523	-	-	-	-
553	Wwtp Expansion Review 5/1/08-5/7/08	48872	BLD	Wastewater Plant	PURCHASED	6/1/2008	763	763	763	-	-	-	-
554	Wwtp Upgrade Proj:Design Svcs Thru 6/28/08	48873	BLD	Wastewater Plant	PURCHASED	6/28/2008	149,797	149,797	149,797	-	-	-	-
555	Wwtp Upgrade Proj:Planning Review Fees	48874	BLD	Wastewater Plant	PURCHASED	7/7/2008	1,850	1,850	1,850	-	-	-	-
556	Wwtp Upgrade Proj:Design Svcs Thru 8/18/08	48875	BLD	Wastewater Plant	PURCHASED	8/26/2008	102,544	102,544	102,544	-	-	-	-
557	Wwtp Upgrade Proj:Pump,Flanges & Control Panel	48876	BLD	Wastewater Plant	PURCHASED	9/2/2008	48,060	48,060	48,060	-	-	-	-
558	Wwtp Upgrade Proj:Design Svcs Thru 8/30/08	48877	BLD	Wastewater Plant	PURCHASED	9/17/2008	63,682	63,682	63,682	-	-	-	-
559	Wwtp Early Out:Constr Svcs Thru 10/03/08 Phase I	48878	BLD	Wastewater Plant	PURCHASED	9/25/2008	10,405	10,405	10,405	-	-	-	-
560	Wwtp Upgrade Proj:Fsp Review Fee	48879	BLD	Wastewater Plant	PURCHASED	9/30/2008	1,313	1,313	1,313	-	-	-	-
561	Wwtp Early Out:Constr Svcs Thru 10/03/08 1%Grt	48880	BLD	Wastewater Plant	PURCHASED	9/30/2008	105	105	105	-	-	-	-
562	Wwtp Upgrade Proj:Design Svcs Thru 9/27/08	48881	BLD	Wastewater Plant	PURCHASED	10/30/2008	80,027	80,027	80,027	-	-	-	-
563	Wwtp Upgrade Proj:Design Svcs Thru 11/22/08	48882	BLD	Wastewater Plant	PURCHASED	11/30/2008	179,563	179,563	179,563	-	-	-	-
564	Wwtp Upgrade Proj:Design Svcs Thru 12/27/08	48883	BLD	Wastewater Plant	PURCHASED	1/14/2009	20,287	20,287	20,287	-	-	-	-
565	Wwtp Upgrade Proj:Design Svcs Thru 01/31/09	48884	BLD	Wastewater Plant	PURCHASED	2/17/2009	49,257	49,257	49,257	-	-	-	-
566	Wrf Upgrade Ph.1:Const Svcs Thru 01/31/09 Pmt#1	48885	BLD	Wastewater Plant	PURCHASED	2/19/2009	328,613	328,613	328,613	-	-	-	-
567	Wrf Upgrade Ph.1:1%Grt (Williams) Pmt#1 Thru 01/31	48886	BLD	Wastewater Plant	PURCHASED	2/19/2009	3,319	3,319	3,319	-	-	-	-
568	Wrf Upgrade Ph.1:Fsp Planning Review Fees	48887	BLD	Wastewater Plant	PURCHASED	2/27/2009	220	220	220	-	-	-	-
569	Wrf Upgrade Ph.1:Legal 2001/Bid Ad	48888	BLD	Wastewater Plant	PURCHASED	3/1/2009	253	253	253	-	-	-	-
570	Wrf Upgrade Ph.1:Building Inspection Admin Costs	48889	BLD	Wastewater Plant	PURCHASED	3/1/2009	3,591	3,591	3,591	-	-	-	-
571	Wrf Upgrade Ph.1:Boundary Realignment Tr 1 Cos 1015	48890	BLD	Wastewater Plant	PURCHASED	3/6/2009	1,142	1,142	1,142	-	-	-	-
572	Wwtp Upgrade Proj:Design Svcs Thru 02/28/09	48891	BLD	Wastewater Plant	PURCHASED	3/16/2009	13,085	13,085	13,085	-	-	-	-
573	Wrf Upgrade Ph.1:Const Admin Svcs Thru 02/28/09	48892	BLD	Wastewater Plant	PURCHASED	3/16/2009	60,055	60,055	60,055	-	-	-	-
574	Wrf Upgrade Ph.1:Const Svcs Thru 04/07/09 Pmt#2	48893	BLD	Wastewater Plant	PURCHASED	3/31/2009	872,282	872,282	872,282	-	-	-	-
575	Wrf Upgrade Ph.1:1%Grt (Williams) Pmt#2 Thru 04/07	48894	BLD	Wastewater Plant	PURCHASED	3/31/2009	8,811	8,811	8,811	-	-	-	-
576	Wwtp Upgrade:Bldg Permits 255 Moss Bridge Rd	48895	BLD	Wastewater Plant	PURCHASED	4/3/2009	834	834	834	-	-	-	-
577	Wwtp Upgrade Proj:Design Svcs Thru 04/09/09	48896	BLD	Wastewater Plant	PURCHASED	4/20/2009	9,780	9,780	9,780	-	-	-	-
578	Wrf Upgrade Ph.1:Const Admin Svcs Thru 04/09/09	48897	BLD	Wastewater Plant	PURCHASED	4/20/2009	48,260	48,260	48,260	-	-	-	-
579	Wwtp Upgrade:Bldg Permits 255 Moss Bridge Rd	48898	BLD	Wastewater Plant	PURCHASED	4/24/2009	1,934	1,934	1,934	-	-	-	-
580	Wrf Upgrade Ph.1:Const Svcs Thru 04/30/09 Pmt#3	48899	BLD	Wastewater Plant	PURCHASED	4/30/2009	207,934	207,934	207,934	-	-	-	-
581	Wrf Upgrade Ph.1:1%Grt (Williams) Pmt#3 Thru 04/30	488100	BLD	Wastewater Plant	PURCHASED	4/30/2009	2,100	2,100	2,100	-	-	-	-
582	Wrf Upgrade Ph.1:Const Admin Svcs Thru 04/25/09	488101	BLD	Wastewater Plant	PURCHASED	5/7/2009	70,397	70,397	70,397	-	-	-	-
583	Wrf Upgrade:Bldg Insp Permits 255 Moss Bridge Rd	488102	BLD	Wastewater Plant	PURCHASED	5/14/2009	5,420	5,420	5,420	-	-	-	-
584	Wrf Upgrade:Bldg Insp Permits 255 Moss Bridge Rd	488103	BLD	Wastewater Plant	PURCHASED	5/22/2009	5,862	5,862	5,862	-	-	-	-
585	Wrf Upgrade Ph 1:Fence Relocation/Gate Installatn	488104	BLD	Wastewater Plant	PURCHASED	5/31/2009	1,690	1,690	1,690	-	-	-	-
586	Wrf Upgrade Ph.1:Const Svcs Thru 05/31/09 Pmt#4	488105	BLD	Wastewater Plant	PURCHASED	5/31/2009	1,833,060	1,833,060	1,833,060	-	-	-	-
587	Wrf Upgrade Ph.1:1%Grt (Williams) Pmt#4 Thru 05/31	488106	BLD	Wastewater Plant	PURCHASED	5/31/2009	18,516	18,516	18,516	-	-	-	-
588	Wrf Upgrade Ph.1:Prof Svcs Thru 05/29/09	488107	BLD	Wastewater Plant	PURCHASED	6/1/2009	8,439	8,439	8,439	-	-	-	-
589	Wrf Upgrade Ph.1:Prof Svcs Thru 05/29/09	488108	BLD	Wastewater Plant	PURCHASED	6/1/2009	1,623	1,623	1,623	-	-	-	-
590	Wrf Upgrade Ph.1:Const Admin Svcs Thru 05/28/09	488109	BLD	Wastewater Plant	PURCHASED	6/15/2009	79,187	79,187	79,187	-	-	-	-
591	Wrf Upgrade Ph.1:Const Admin Svcs Thru 04/25/09	488110	BLD	Wastewater Plant	PURCHASED	6/15/2009	8,864	8,864	8,864	-	-	-	-
592	Wrf Upgrade Ph.1:Design Svcs Thru 06/27/09	488111	BLD	Wastewater Plant	PURCHASED	6/27/2009	36,833	36,833	36,833	-	-	-	-
593	Wrf Upgrade Ph.1:Const Admin Svcs Thru 06/27/09	488112	BLD	Wastewater Plant	PURCHASED	6/27/2009	99,192	99,192	99,192	-	-	-	-
594	Wrf Upgrade Ph.1:Const Svcs Thru 06/30/09 Pmt#5	488113	BLD	Wastewater Plant	PURCHASED	6/30/2009	1,932,387	1,932,387	1,932,387	-	-	-	-
595	Wrf Upgrade Ph.1:1%Grt (Williams) Pmt#5 Thru 06/30	488114	BLD	Wastewater Plant	PURCHASED	6/30/2009	19,519	19,519	19,519	-	-	-	-
596	Wrf Upgrade Constr July Expds	488115	BLD	Wastewater Plant	PURCHASED	7/31/2009	1,987,040	1,987,040	1,987,040	-	-	-	-
597	Wrf Upgrade Constr August Expds	488116	BLD	Wastewater Plant	PURCHASED	8/31/2009	1,892,092	1,892,092	1,892,092	-	-	-	-
598	Wrf Upgrade Constr September Expds	488117	BLD	Wastewater Plant	PURCHASED	9/30/2009	2,518,150	2,518,150	2,518,150	-	-	-	-
599	Wrf Upgrade Constr October Expds	488118	BLD	Wastewater Plant	PURCHASED	10/28/2009	1,908,493	1,908,493	1,908,493	-	-	-	-
600	Wrf Upgrade Constr November Expds	488119	BLD	Wastewater Plant	PURCHASED	11/30/2009	1,326,731	1,326,731	1,326,731	-	-	-	-
601	Wrf Upgrade Constr December Expds	488120	BLD	Wastewater Plant	PURCHASED	12/31/2009	778,405	778,405	778,405	-	-	-	-
602	Wrf Upgrade Constr January Expds	488121	BLD	Wastewater Plant	PURCHASED	1/25/2010	1,293,371	1,293,371	1,293,371	-	-	-	-
603	Wrf Upgrade Constr February Expds Fy10	488122	BLD	Wastewater Plant	PURCHASED	2/25/2010	625,005	625,005	625,005	-	-	-	-

**City of Bozeman, Montana  
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**Classification of Existing Wastewater Utility System Assets III**

Line No.	Description	Asset ID	Type	Location	Acquired	Acquired Date	Asset Cost	Adj. Acq. Amt.	Adj. Acq. Amt.	Wastewater System			General Plant	
										Adjustments [2]	Treatment	Trans.		Collection
604	Wrf Upgrade Constr	March Expds	488123	BLD	Wastewater Plant	PURCHASED	3/31/2010	1,747,994	-	1,747,994	1,747,994	-	-	-
605	Wrf Upgrade Constr	April Expds	488124	BLD	Wastewater Plant	PURCHASED	4/12/2010	110,944	-	110,944	110,944	-	-	-
606	Wrf Upgrade Constr	May Expds	488125	BLD	Wastewater Plant	PURCHASED	5/31/2010	1,372,290	-	1,372,290	1,372,290	-	-	-
607	Wrf Upgrade Admin/Lab Constr	May Expds	488126	BLD	Wastewater Plant	PURCHASED	5/10/2010	10,000	-	10,000	10,000	-	-	-
608	Wrf Upgrade Digester #3 Constr	May Expds	488127	BLD	Wastewater Plant	PURCHASED	5/31/2010	96,602	-	96,602	96,602	-	-	-
609	Wrf Upgrade Constr	June Expds	488128	BLD	Wastewater Plant	PURCHASED	6/30/2010	1,460,570	-	1,460,570	1,460,570	-	-	-
610	Wrf Upgrade Admin/Lab Constr	June Expds	488129	BLD	Wastewater Plant	PURCHASED	6/30/2010	139,629	-	139,629	139,629	-	-	-
611	Wrf Upgrade Digester #3 Constr	June Expds	488130	BLD	Wastewater Plant	PURCHASED	6/10/2010	15,000	-	15,000	15,000	-	-	-
612	Wrf Upgrade Constr	July Expds	488131	BLD	Wastewater Plant	PURCHASED	7/22/2010	128,608	-	128,608	128,608	-	-	-
613	Wrf Upgrade Admin/Lab Constr	July Expds	488132	BLD	Wastewater Plant	PURCHASED	7/20/2010	2,742	-	2,742	2,742	-	-	-
614	Wrf Upgrade Digester #3 Constr	July Expds	488133	BLD	Wastewater Plant	PURCHASED	7/12/2010	101,090	-	101,090	101,090	-	-	-
615	Wrf Upgrade Admin/Lab Constr	Aug Expds	488134	BLD	Wastewater Plant	PURCHASED	8/1/2010	65,427	-	65,427	65,427	-	-	-
616	Wrf Upgrade Constr	Aug Expds	488135	BLD	Wastewater Plant	PURCHASED	8/13/2010	1,419,927	-	1,419,927	1,419,927	-	-	-
617	Wrf Upgrade Digester #3 Constr	Aug Expds	488136	BLD	Wastewater Plant	PURCHASED	8/13/2010	117,725	-	117,725	117,725	-	-	-
618	Wrf Upgrade Constr	Sept Expds	488137	BLD	Wastewater Plant	PURCHASED	9/30/2010	1,486,103	-	1,486,103	1,486,103	-	-	-
619	Wrf Upgrade Admin/Lab Constr	Sept Expds	488138	BLD	Wastewater Plant	PURCHASED	9/30/2010	227,364	-	227,364	227,364	-	-	-
620	Wrf Upgrade Digester #3 Constr	Sept Expds	488139	BLD	Wastewater Plant	PURCHASED	9/30/2010	430,873	-	430,873	430,873	-	-	-
621	Wrf Upgrade Constr	Oct Expds	488140	BLD	Wastewater Plant	PURCHASED	10/31/2010	1,112,965	-	1,112,965	1,112,965	-	-	-
622	Wrf Upgrade Admin/Lab Constr	Oct Expds	488141	BLD	Wastewater Plant	PURCHASED	10/31/2010	38,371	-	38,371	38,371	-	-	-
623	Wrf Upgrade Digester #3 Constr	Oct Expds	488142	BLD	Wastewater Plant	PURCHASED	10/31/2010	299,635	-	299,635	299,635	-	-	-
624	Wrf Upgrade Constr	Nov Expds	488143	BLD	Wastewater Plant	PURCHASED	11/30/2010	1,125,019	-	1,125,019	1,125,019	-	-	-
625	Wrf Upgrade Admin/Lab Constr	Nov Expds	488144	BLD	Wastewater Plant	PURCHASED	11/30/2010	18,088	-	18,088	18,088	-	-	-
626	Wrf Upgrade Digester #7 Constr	Nov Expds	488145	BLD	Wastewater Plant	PURCHASED	11/30/2010	290,030	-	290,030	290,030	-	-	-
627	Wrf Upgrade Constr	Dec Expds	488146	BLD	Wastewater Plant	PURCHASED	12/31/2010	972,325	-	972,325	972,325	-	-	-
628	Wrf Upgrade Admin/Lab Constr	Dec Expds	488147	BLD	Wastewater Plant	PURCHASED	12/31/2010	40,307	-	40,307	40,307	-	-	-
629	Wrf Upgrade Digester #8 Constr	Dec Expds	488148	BLD	Wastewater Plant	PURCHASED	12/31/2010	683,166	-	683,166	683,166	-	-	-
630	Wrf Upgrade Constr	Jan Expds	488149	BLD	Wastewater Plant	PURCHASED	1/25/2011	1,271,505	-	1,271,505	1,271,505	-	-	-
631	Wrf Upgrade Admin/Lab Constr	Jan Expds	488150	BLD	Wastewater Plant	PURCHASED	1/31/2011	267,047	-	267,047	267,047	-	-	-
632	Wrf Upgrade Digester #8 Constr	Jan Expds	488151	BLD	Wastewater Plant	PURCHASED	1/28/2011	685,686	-	685,686	685,686	-	-	-
633	Wrf Upgrade Constr	Feb Expds	488152	BLD	Wastewater Plant	PURCHASED	2/22/2011	882,515	-	882,515	882,515	-	-	-
634	Wrf Upgrade Admin/Lab Constr	Feb Expds	488153	BLD	Wastewater Plant	PURCHASED	2/28/2011	135,698	-	135,698	135,698	-	-	-
635	Wrf Upgrade Constr	March Expds	488154	BLD	Wastewater Plant	PURCHASED	3/29/2011	249,021	-	249,021	249,021	-	-	-
636	Wrf Upgrade Digester #10 Constr	March Expds	488155	BLD	Wastewater Plant	PURCHASED	3/29/2011	1,161,004	-	1,161,004	1,161,004	-	-	-
637	Wrf Upgrade Constr	April Expds	488156	BLD	Wastewater Plant	PURCHASED	4/1/2011	1,595,262	-	1,595,262	1,595,262	-	-	-
638	Wrf Upgrade Admin/Lab Constr	April Expds	488157	BLD	Wastewater Plant	PURCHASED	4/19/2011	528,036	-	528,036	528,036	-	-	-
639	Wrf Upgrade Digester #10 Constr	April Expds	488158	BLD	Wastewater Plant	PURCHASED	4/21/2011	16,121	-	16,121	16,121	-	-	-
640	Wrf Upgrade Constr	May Expds	488159	BLD	Wastewater Plant	PURCHASED	5/31/2011	136,721	-	136,721	136,721	-	-	-
641	Wrf Upgrade Constr	May Expds	488160	BLD	Wastewater Plant	PURCHASED	5/31/2011	701,887	-	701,887	701,887	-	-	-
642	Wrf Upgrade Admin/Lab Constr	May Expds	488161	BLD	Wastewater Plant	PURCHASED	5/31/2011	65,250	-	65,250	65,250	-	-	-
643	Wrf Upgrade Digester #12 Constr	May Expds	488162	BLD	Wastewater Plant	PURCHASED	5/31/2011	865,737	-	865,737	865,737	-	-	-
644	Wrf Upgrade Constr	June Expds	488163	BLD	Wastewater Plant	PURCHASED	6/30/2011	677,323	-	677,323	677,323	-	-	-
645	Wrf Upgrade Admin/Lab Constr	June Expds	488164	BLD	Wastewater Plant	PURCHASED	6/30/2011	17,788	-	17,788	17,788	-	-	-
646	Wrf Upgrade Digester Constr	June Expds Fy11	488165	BLD	Wastewater Plant	PURCHASED	6/30/2011	26,331	-	26,331	26,331	-	-	-
647	Wrf Upgrade Constr	July Expds	488166	BLD	Wastewater Plant	PURCHASED	7/31/2011	531,045	-	531,045	531,045	-	-	-
648	Wrf Upgrade Admin/Lab Constr	July Expds	488167	BLD	Wastewater Plant	PURCHASED	7/31/2011	5,501	-	5,501	5,501	-	-	-
649	Wrf Upgrade Digester Constr	July Expds	488168	BLD	Wastewater Plant	PURCHASED	7/21/2011	218,006	-	218,006	218,006	-	-	-
650	Wrf Upgrade Constr	August Expds	488169	BLD	Wastewater Plant	PURCHASED	8/29/2011	614,391	-	614,391	614,391	-	-	-
651	Wrf Upgrade Constr	September Expds	488170	BLD	Wastewater Plant	PURCHASED	9/30/2011	631,804	-	631,804	631,804	-	-	-
652	Wrf Upgrade Digester Constr	Sept Expds	488171	BLD	Wastewater Plant	PURCHASED	9/22/2011	117,682	-	117,682	117,682	-	-	-
653	Wrf Upgrade Constr	October Expds	488172	BLD	Wastewater Plant	PURCHASED	10/1/2011	929,903	-	929,903	929,903	-	-	-
654	Wrf Upgrade Admin/Lab Constr	October Expds	488173	BLD	Wastewater Plant	PURCHASED	10/30/2011	42,950	-	42,950	42,950	-	-	-
655	Wrf Upgrade Constr	November Expds	488174	BLD	Wastewater Plant	PURCHASED	11/1/2011	4,236	-	4,236	4,236	-	-	-
656	Wrf Upgrade Constr	December Expds	488175	BLD	Wastewater Plant	PURCHASED	12/30/2011	74,121	-	74,121	74,121	-	-	-
657	Wrf Upgrade Constr	January Expds	488176	BLD	Wastewater Plant	PURCHASED	1/1/2012	557,050	-	557,050	557,050	-	-	-
658	Wrf:Wonderware Sftwre/Scada:February Expds Fy12		488177	BLD	Wastewater Plant	PURCHASED	2/13/2012	3,283	-	3,283	3,283	-	-	-

City of Bozeman, Montana  
Wastewater Impact Fee Study

Classification of Existing Wastewater Utility System Assets [1]

Line No.	Description	Asset ID	Type	Location	Acquired	Acquired Date	Asset Cost	Adjustments [2]	Adj. Acq. Amt.	Wastewater System				
										Treatment	Trans.	Collection	General Plant	
659	Wrf Upgrade Const	March Expds	488178	BLD	Wastewater Plant	PURCHASED	3/31/2012	830,982	-	830,982	830,982	-	-	-
660	Wrf Upgrade Admin/Lab Constr	March Expds	488179	BLD	Wastewater Plant	PURCHASED	3/1/2012	57,217	-	57,217	57,217	-	-	-
661	Wrf Upgrade Const	April Expds	488180	BLD	Wastewater Plant	PURCHASED	4/17/2012	227,846	-	227,846	227,846	-	-	-
662	Wrf Upgrade Const	May Expds	488181	BLD	Wastewater Plant	PURCHASED	5/22/2012	1,125,057	-	1,125,057	1,125,057	-	-	-
663	Wrf Upgrade Const	June Expds	488182	BLD	Wastewater Plant	PURCHASED	6/29/2012	209,333	-	209,333	209,333	-	-	-
664	Wrf Upgrade Const	July Expds	488183	BLD	Wastewater Plant	PURCHASED	7/31/2012	52,264	-	52,264	52,264	-	-	-
665	Wrf Upgrade Const	August Expds	488184	BLD	Wastewater Plant	PURCHASED	8/10/2012	2,840	-	2,840	2,840	-	-	-
666	Wrf Base Constrctn Retainage Thru 6/30/12		488185	BLD	Wastewater Plant	PURCHASED	6/29/2012	909,728	-	909,728	909,728	-	-	-
667	Wrf Admin Lab Cons Retainage Thru 6/30/12		488186	BLD	Wastewater Plant	PURCHASED	6/29/2012	43,467	-	43,467	43,467	-	-	-
668	Digester #3 Constr Retainage Thru 6/30/12 Fy12		488187	BLD	Wastewater Plant	PURCHASED	6/29/2012	265,094	-	265,094	265,094	-	-	-
669	Wrf Upgrade Const	Sept Expds	488188	BLD	Wastewater Plant	PURCHASED	9/30/2012	34,747	-	34,747	34,747	-	-	-
670	Wrf Upgrade Const	Oct Expds	488190	BLD	Wastewater Plant	PURCHASED	10/31/2012	325,265	-	325,265	325,265	-	-	-
671	Wrf Upgrade Const	Nov Expds	488191	BLD	Wastewater Plant	PURCHASED	11/30/2012	41,810	-	41,810	41,810	-	-	-
672	Wrf Upgrade Svcs:Jan Expds:Hot Wtr Heatng Biocide		488192	BLD	Wastewater Plant	PURCHASED	1/17/2013	2,460	-	2,460	2,460	-	-	-
673	Wrf Upgrade Const	Feb Expds	488193	BLD	Wastewater Plant	PURCHASED	2/5/2013	68,713	-	68,713	68,713	-	-	-
674	Wrf Upgrade Const	March Expds	488194	BLD	Wastewater Plant	PURCHASED	3/15/2013	23,477	-	23,477	23,477	-	-	-
675	Wrf Upgrade Const	April Expds	488195	BLD	Wastewater Plant	PURCHASED	4/11/2013	15,876	-	15,876	15,876	-	-	-
676	Wrf Upgrade Const	May Expds	488196	BLD	Wastewater Plant	PURCHASED	5/17/2013	50,395	-	50,395	50,395	-	-	-
677	Wrf:Wonderware Sftwre/Scada:February Expds Fy10		488215	BLD	Wastewater Plant	PURCHASED	2/25/2010	35,713	-	35,713	35,713	-	-	-
678	Wwtp Early Out Proj:Progress Payment-Pndn		48849	IMP	Wastewater Plant	PURCHASED	10/26/2007	5,150	-	5,150	5,150	-	-	-
679	Wwtp Early Out Proj:Payment As Per Agreement		48854	IMP	Wastewater Plant	PURCHASED	11/29/2007	7,090	-	7,090	7,090	-	-	-
680	Weir Installation:April On Aerations Basins		48867	IMP	Wastewater Plant	PURCHASED	4/24/2008	11,627	-	11,627	11,627	-	-	-
681	Rebuild/Repair Of Dredge		48868	IMP	Wastewater Plant	PURCHASED	4/25/2008	38,289	-	38,289	38,289	-	-	-
682	Impact Fee Credits-Sewer		32150	IMP	Wastewater Operation	PURCHASED	6/30/2003	349,512	-	349,512	-	-	-	349,512
683	Sewer Impact Improv Fy11-June Expds		32151	IMP	Wastewater Operation	PURCHASED	6/30/2011	224,616	-	224,616	-	224,616	-	-
684	Kohls Impfee Credit:Granary Project		32152	IMP	Wastewater Operation	PURCHASED	1/23/2012	8,838	-	8,838	-	-	-	8,838
685	Impact Fee/Sewer Oversizing Cottonwood:Ifcr-1403		32153	IMP	Wastewater Operation	PURCHASED	6/18/2015	170,277	-	170,277	-	-	-	170,277
686	Graf Sewer Impact Fee Credit/Graf Corridor		32154	IMP	Wastewater Operation	PURCHASED	9/9/2016	6,476	-	6,476	-	-	-	6,476
687	Public Sewer Improv:Oversizing-Huffine+Cottonwood		34290	IMP	Wastewater Operation	PURCHASED	9/19/2007	42,862	-	42,862	-	42,862	-	-
688	Bridger Drive Sewer Main Project		38660	IMP	Wastewater Operation	PURCHASED	9/30/2016	166,305	-	166,305	-	166,305	-	-
689	Bridger Drive Sewer Main Project-Oct Expds		38662	IMP	Wastewater Operation	PURCHASED	10/24/2016	70,106	-	70,106	-	70,106	-	-
690	TOTAL SYSTEM ASSETS - CURRENTLY REPORTED							\$ 195,102,803	\$ (1,802,729)	\$ 193,300,074	\$ 71,944,667	\$ 39,980,801	\$ 71,578,418	\$ 9,796,187
691	ALLOCATION OF OTHER DEVELOPER CONTRIBUTIONS							-	-	-	-	-	-	-
692	ALLOCATION OF INDIRECT PLANT							-	-	-	-	-	-	-
693	TOTAL ASSETS FOR IMPACT FEE DETERMINATION							\$ 195,102,803	\$ (1,802,729)	\$ 193,300,074	\$ 71,944,667	\$ 39,980,801	\$ 71,578,418	\$ 9,796,187
694								100.00%			37.22%	20.68%	37.03%	5.07%
695	TOTAL ASSETS CONSIDERED AS DONATIONS / CONTRIBUTIONS [3]									\$ 122,528,799	\$ 15,262,162	\$ 35,856,343	\$ 65,644,644	\$ 5,765,651
										CONTRIBUTION GRANT				

City of Bozeman, Montana  
Wastewater Impact Fee Study

Classification of Existing Wastewater Utility System Assets [1]

Line No.	Description	Asset ID	Type	Location	Acquired	Acquired Date	Asset Cost	Adjustments [2]	Adj. Acq. Amt.	Wastewater System				General Plant
										Treatment	Trans.	Collection		
Footnotes:														
[1]	Amounts shown are derived from fixed asset records provided by the City; amounts reported as of June 30, 2017. Amounts are classified to plant functions based on: i) fixed asset description and cost center / location; ii) relevance of fixed asset; and iii) ratemaking judgment.													
[2]	Adjustments to remove asset repairs, assets no longer in service, assets not applicable to the wastewater utility, and assets applicable to future capacity expansions.													
[3]	The City reported the following loan forgiveness:													
	U.S. Environmental Protection Agency Grants:													
	Water Reclamation Facility Admin Building Loan Forgiveness				2011		\$ 390,700		\$ 390,700	\$ 390,700	\$ -	\$ -	\$ -	
	Water Reclamation Facility Admin Building Loan Forgiveness				2011		359,300		359,300	359,300	-	-	-	
	Water Reclamation Facility Digester Loan Forgiveness				2011		384,000		384,000	384,000	-	-	-	
	Water Reclamation Facility Digester Loan Forgiveness				2011		816,000		816,000	816,000	-	-	-	
	Total Grants						<u>\$1,950,000</u>		<u>\$ 1,950,000</u>	<u>\$ 1,950,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	