



## CITY COUNCIL AGENDA

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I. 6:30 PM **CALL TO ORDER: JANUARY 10, 2017 COUNCIL WORKSHOP**

II. **PRESENTATIONS**

A. **UTILITY RATE STUDY REVIEW - NEWGEN STRATEGIES & SOLUTIONS, LLC**

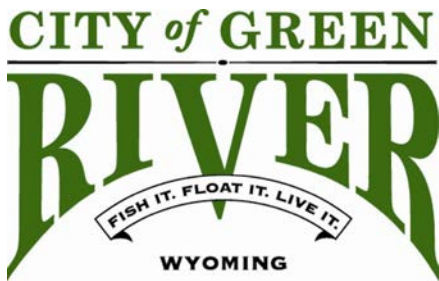
Documents:

[DRAFT UTILITY RATE STUDY.PDF](#)

III. **CITY ADMINISTRATOR'S REPORT**

IV. **MAYOR AND COUNCIL REPORTS**

V. **ADJOURNMENT**



# WATER, WASTEWATER, STORMWATER, AND MUNICIPAL SOLID WASTE COST OF SERVICE AND RATE DESIGN STUDY

City of Green River, Wyoming



PREPARED BY:





3420 Executive Center Drive  
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January 6, 2016

Mr. Chris Meats  
Finance Director  
City of Green River  
502 E. 2<sup>nd</sup> North Street  
Green River, WY 82935

**Re: Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Study**

Dear Mr. Meats:

NewGen Strategies & Solutions, LLC (NewGen) is pleased to provide the City of Green River (City) with the enclosed report summarizing our findings and recommendations from the conduct of a water, wastewater, stormwater, and municipal solid waste cost of service and rate design study (Study).

We appreciate the opportunity to assist the City of Green River in this engagement. In addition, we would like to acknowledge the excellent assistance we received from your staff. Without their support, this Study could not have been completed. Please contact us if you have any questions concerning this report.

Sincerely,

**NewGen Strategies and Solutions, LLC**

A handwritten signature in blue ink, appearing to read "D.S. Yanke", is written over the typed name and title.

**David S. Yanke**  
**President – Environmental Practice**

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# Section 1

## INTRODUCTION

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The City of Green River (City) retained NewGen Strategies & Solutions, LLC (NewGen) to perform an independent cost of service and rate design study (Study) for the City's water, wastewater, and municipal solid waste utilities. In addition to the existing public utility services, New Gen evaluated the cost and resulting rates associated with the development of a separate stormwater utility. As part of the Study, NewGen's Project Team (Project Team) was requested to forecast revenue requirements and rates from Fiscal Year (FY) 2017 through FY 2026. This report describes the analysis performed for the City and makes recommendations with respect to rates to be charged to the City's water, wastewater, and municipal solid waste customers.

Regular reviews of the performance of a utility's rates is an integral part of the management of any utility, and failure to monitor the City's rates can result in the need for significant rate actions. Our Project Team recommends that, going forward, the City regularly monitor and review the performance of its adopted rates and perform rate adjustments in a timely manner so as to preserve the financial integrity of the utility. The utility rate model, provided to the City in conjunction with this report, is a vital planning tool that can be used by the City to evaluate rate performance on an on-going basis.

The analysis performed by NewGen is designed to take into account the foreseeable changes from the current fiscal year (FY 2017) through FY 2026. The goal is to construct a planning tool with which the City can gain an understanding of the issues that need to be addressed during the Study's planning horizon. As with any forecast, assumptions must be made and the City should be aware that the actual rates required may be different from the projected rates outlined in this report due to unforeseen changes in key assumptions, such as system growth, inflation, etc.

## 1.1 Background

### 1.1.1 Water

The City's water distribution system is designed to maintain water quality from the point of entry at the water treatment plant, which is operated by the Joint Powers Water Board (JPWB), to the point of use by the citizens. The City maintains the following elements of the distribution system:

- 4,200 water meters;
- 2,500 water valves and fire hydrants;
- 4 pump stations;
- 25 pressure reducing valves, and
- 3 water tanks.

### 1.1.2 Wastewater

The City's wastewater collection system is designed to collect the wastewater from the City's residents and businesses and convey the wastewater to the wastewater treatment plant. The wastewater collection system includes 57 miles of sanitary lines, seven pump stations, and approximately 1,300 manholes.

The City is planning to replace the current wastewater treatment facility and will begin constructing a new facility in FY 2020. The cost of the new wastewater treatment facility has been included in NewGen's analysis.

### 1.1.3 Stormwater

The City's stormwater drainage system is designed to collect water runoff and convey it to the river (Green River). The drainage system includes drainage ditches, stormwater lines, catch basins, and two pump stations.<sup>1</sup>

### 1.1.4 Municipal Solid Waste

The solid waste utility provides residential and commercial collection service with plastic 90-gallon carts, 300-gallon containers, and metal dumpsters. The City also accepts refuse, recycling, and yard waste materials at drop-off facilities, and at the City's landfill. The City owned landfill is in the process of being closed, and as a result, municipal solid waste is in the process of being diverted to the Rock Springs Landfill (operated by the Sweetwater County Solid Waste Disposal District #1). To prepare for the City's landfill closure, a transfer station facility is currently in the design phase, and is planned to be in operation in 2017. The cost of the transfer station has been incorporated into NewGen's rate forecast.

NewGen completed a separate operational assessment of the City's municipal solid waste utility in October 2016. As a result of that assessment, the City is considering a transition to a commercial front load collection system from a rear load system. Details of that operational change are provided later in this report, and have been included in NewGen's financial analysis.

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<sup>1</sup> A catch basin is an inlet to a storm drainage system that typically includes a grate where stormwater enters, and a sump to capture sediment, debris, and other pollutants.



## Section 2

# REVENUE REQUIREMENT

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There are two primary ratemaking methodologies employed in the utility industry, the cash basis and the utility basis. The primary difference between the cash basis and the utility basis involves the treatment of depreciation, return on invested capital, and debt service. The cash basis, which is the most common method used by municipalities, includes debt service and funding for cash capital outlays (i.e., PAYG “pay as you go”) but excludes depreciation and return on invested capital in the revenue requirement determination. The cash basis focuses on meeting the cash demands of the utility. The utility basis, most commonly used by investor-owned utilities, includes depreciation and return on invested capital, but excludes debt service and cash capital outlays from the revenue requirement determination. In performing this analysis, the Project Team has utilized the cash basis to develop the City’s water, wastewater, stormwater, and municipal solid waste revenue requirements.

### 2.1 Test Year Revenue Requirement

NewGen reviewed historical financial results for prior fiscal years and developed a “Test Year” for the Study based on the FY 2016<sup>2</sup> Approved Budget. A Test Year is a common term in rate studies that refers to a fiscal year budget that is used as a basis for setting rates. The Test Year should be representative of “typical” conditions, with adjustments for any unusual or one-time revenues or expenses. Further, any projected non-recurring expenses or revenues are identified and incorporated into the financial forecast.

The Test Year was used to develop a ten-year revenue requirement forecast for FY 2017 through FY 2026. The revenue requirement identifies the amount that should be recovered from rates in order to fully recover the cost of providing service. To ensure the City’s budget accurately reflects the cost of providing water, wastewater, stormwater, and municipal solid waste service, several adjustments were made to operation and maintenance (O&M) expenses, capital costs, and revenue offsets (i.e., miscellaneous revenues received by the utility other than through rates.) Discussions were held with City staff to assist in determining and clarifying the known and measureable adjustments.

In addition to the Test Year, the revenue requirement forecast relies on a capital improvement plan (as shown in Schedule 3), forecasted rolling stock purchases (as shown in Schedule 4), future debt service (as shown in Schedule 5), and reserves (as shown in Schedule 6). The following sections summarize the notable factors affecting the projected revenue requirement.

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<sup>2</sup> The City’s fiscal year starts July 1 and ends June 30; the year cited is the year in which the fiscal year ends.

## 2.2 Capital Improvement Plan

At present, the City estimates approximately \$44.5 million in utility capital improvements are needed over the next 10 years. These improvements will be funded by a combination of grants, City reserves, debt, and pay-as-you-go (PAYG) funding through cash generated by utility rates.

The current plan is to fund \$23.9 million through state revolving funds (debt), \$12 million through grants, and the remaining \$8.6 million will be funded through cash (via utility rates and the City’s reserves). Table 2-1 below details the City’s Capital Improvement Funding Plan.

Table 2-1  
Projected CIP Funding for FY 2017 through FY 2026

Project Name	CIP Amount
<b>Water</b>	
WYDOT Urban Systems Project Support – Water Spot Improvements	\$332,000
Meter Automation	720,000
Hitching Post Water Replacement – Monroe to Shoshone	400,000
Recoat Teton Tank	200,000
Cast Iron Water Replacement Phase 1	2,000,000
<b>Subtotal Water CIP</b>	<b>\$3,652,000</b>
<b>Wastewater</b>	
WYDOT Urban Systems Project Support - Sewer Spot Improvements	\$25,000
Northside Lift Station & Force Main Replacement – Design	156,000
Northside Lift Station & Force Main Replacement – Construction	1,300,000
Hutton & Collier Lift Station Replacement – Construction	855,000
WWTP Design Phase	2,400,000
Manhole Rehabilitation Project	35,000
West End (Underpass) Sewer Replacement	300,000
Clay Tile Sewer Lining/Replacement	2,000,000
WWTP Construction	27,600,000
<b>Subtotal Wastewater CIP</b>	<b>\$34,671,000</b>
<b>Municipal Solid Waste</b>	
Transfer Station and Landfill Closure	\$6,175,000
<b>Subtotal Municipal Solid Waste CIP</b>	<b>\$6,175,000</b>
<b>Total CIP</b>	<b>\$ 44,498,000</b>

Additional detail regarding the City’s CIP forecast is listed in Schedule 3, located in the Appendix.

**Debt Service**

The City does not currently have any debt associated with the City’s utility operations. The projected principal and interest payments associated with the new bond issues were calculated by the Project Team for use in the Study. Table 2-2 below illustrates the projected debt service schedule for the new issuances. Additional detail regarding the City’s planned bond issues is in Schedule 5, located in the Appendix.

**Table 2-2  
Debt P&I Payments <sup>(1)</sup>**

	FY 2018	FY 2020	FY 2022 <sup>(2)</sup>	FY 2024	FY 2026	10 Year Total
<b>Projected Debt</b>						
Principal	\$131,388	\$254,648	\$625,790	\$656,205	\$688,160	\$4,382,133
Interest	65,127	189,117	559,722	529,307	497,352	3,440,023
<b>Total</b>	<b>\$196,515</b>	<b>\$443,764</b>	<b>\$1,185,512</b>	<b>\$1,185,512</b>	<b>\$1,185,512</b>	<b>\$7,822,156</b>
<b>Allocation of Debt to Utility Functions</b>						
Water	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wastewater	171,515	418,764	1,160,512	1,160,512	1,160,512	7,572,156
Solid Waste	25,000	25,000	25,000	25,000	25,000	250,000
<b>Total</b>	<b>\$196,515</b>	<b>\$443,764</b>	<b>\$1,185,512</b>	<b>\$1,185,512</b>	<b>\$1,185,512</b>	<b>\$7,822,156</b>

1. Because NewGen developed a 10-year forecast, NewGen’s presentation of financial information in the tables within the report has only shown data for “every other year,” for brevity. For a detailed review of every year, please refer to the schedules located in the Appendix.
2. Increase in debt in FY 2022 is related to the construction of the new wastewater treatment facility.

**Revenue Offsets**

In order to calculate the revenues that are required to be recovered from utility rates to pay for the expenses associated with providing water, wastewater, stormwater, and municipal waste services, it is necessary to isolate the cost of service by subtracting utility-related non-rate revenues from the cost of service. The revenue offsets used by the Project Team correlate with the amounts for miscellaneous fees in the FY 2016 budget, and a \$100,000 adjustment to reflect fees charged to commercial businesses at the transfer station. Therefore, the revenue offsets total \$134,850 as detailed below in Table 2-3.

**Table 2-3  
Revenue Offsets**

	FY 2016	Adjustments	Test Year
Water Non-Rate Revenues	\$20,650	-	\$20,650
Wastewater Non-Rate Revenues	2,500	-	2,500
Stormwater Non-Rate Revenues	0	-	0
Solid Waste Non-Rate Revenues	11,700	\$100,000 <sup>(1)</sup>	11,700
<b>Total Revenue Offsets</b>	<b>\$34,850</b>	<b>\$100,000</b>	<b>\$134,850</b>

1. Projected tipping fees for commercial customers at the transfer station.

### 2.3 Revenue Requirement

In developing the 10-year forecasted revenue requirement for each utility, the Project Team utilized the City’s adopted FY 2016 budget, adjusted as discussed above, as the basis for the revenue requirement through FY 2026. The Project Team reviewed and compared the inflation factors used in NewGen’s forecast with industry accepted standards. This comparison showed that the City’s factors were reasonable. As such, the Project Team has utilized the inflation factors represented in Table 2-4.

Table 2-4  
Inflation Factors

	FY 2018	FY 2020	FY 2022	FY 2024	FY 2026
General	2.30%	2.30%	2.50%	2.50%	2.50%
Salaries	3.00%	3.00%	3.00%	3.00%	3.00%
Benefits	3.00%	3.00%	3.00%	3.00%	3.00%
Chemicals	3.00%	3.00%	2.50%	2.50%	2.50%
Electric	3.00%	2.50%	2.50%	2.50%	2.50%
Equip Fuel	2.50%	2.50%	2.50%	2.50%	2.50%
Insurance	3.00%	3.00%	3.00%	3.00%	3.00%
Water Purchase - JPWB	3.00%	3.00%	3.00%	3.00%	3.00%
Disposal Expense	3.00%	3.00%	2.50%	2.50%	2.50%
Equipment Cost - Capital Purchase	2.00%	2.00%	2.00%	2.00%	2.00%
None	0.00%	0.00%	0.00%	0.00%	0.00%

The projected revenue requirement is shown, by utility, in Table 2-5 for the 10-year forecast. A detailed revenue requirement forecast for water, wastewater, stormwater, and municipal solid waste is provided in Schedules 1 and 2, respectively.

**Table 2-5  
Revenue Requirement Forecast <sup>(1)</sup>**

	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>
Water	\$2,354,226	\$2,518,280	\$2,638,293	\$2,695,687	\$2,793,760
Wastewater	1,249,861	1,454,428	1,590,929	1,848,823	2,390,965
Stormwater	131,340	160,223	164,220	168,336	172,574
Solid Waste	1,807,533	2,394,919	2,459,393	2,506,986	2,566,491
<b>Total</b>	<b>\$5,542,960</b>	<b>\$6,527,850</b>	<b>\$6,852,835</b>	<b>\$7,219,832</b>	<b>\$7,923,790</b>

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>
Water	\$2,877,966	\$2,964,862	\$3,054,536	\$3,147,077	\$3,187,629
Wastewater	2,675,208	2,713,223	2,752,288	2,792,430	2,833,682
Stormwater	201,956	206,468	211,114	215,899	220,826
Solid Waste	2,637,687	2,710,841	2,786,007	2,863,241	2,942,600
<b>Total</b>	<b>\$8,392,817</b>	<b>\$8,595,394</b>	<b>\$8,803,945</b>	<b>\$9,018,647</b>	<b>\$9,184,737</b>

1. The Test Year is based on the City's 2016 budget. The City Council has already adopted rates for FY 2017, therefore NewGen's recommended rate forecast begins with FY 2018.

## Section 3

### RATES

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Note: NewGen has developed a 10-year financial forecast for the City of Green River. For purposes of displaying financial data in tables to fit on one page, only “even years” of the forecast have been included in the tables (FY 2018, FY 2020, FY 2022, FY 2024, and FY 2026). For detailed information regarding the entire 10-year forecast, please refer to the schedules located in the Appendix.

### 3.1 Normalized Precipitation Year

In evaluating the performance of existing water and wastewater rates, and to project future water and wastewater rates, some estimation of billed water consumption and billed wastewater flow is required. In making this estimation, it is necessary to consider a period of normal precipitation. If data involving abnormal weather patterns is utilized (i.e., unusually low or excessive precipitation), then the resulting revenue estimates could be too high or too low. For purposes of the Study, the Project Team reviewed rainfall data from January 2013 through March 2016 and selected the 12 month period of June 2013 to May 2014 and determined that period to be the closest to normal based on the five-year normal precipitation figures as published by the National Climactic Data Center.

### 3.2 Water Rates

The City’s current rate structure recovers approximately 40.0% of revenue from a fixed monthly charge. Providing water service is a highly fixed cost operation, and the fixed costs must be considered and appropriately aligned with the rate structure. If too much of the utility’s costs are recovered through a variable rate, the utility is at a greater risk of under recovering its costs if water usage declines. NewGen has designed the water rates to continue to recover 40.0% of the water utility’s annual revenue from fixed monthly rates.

The other important consideration for setting equitable rates for water service is the establishment of customer classes for cost distribution after costs are allocated to service functions. A customer class should generally include only those customers who:

- Are similar in location in relation to the utility;
- Use the same or similar facilities of the utility;
- Receive similar service from the utility; and
- Place similar demands on the utility.

The City currently maintains the following customer classes:

- |               |                |
|---------------|----------------|
| ■ Residential | ■ Construction |
| ■ Commercial  | ■ Hydrant      |

### 3.2.1 Water Rate Structure

The water rate structure currently consists of a two-part rate design composed of: 1) a minimum monthly charge for all customers; and 2) a volumetric charge per cubic foot for consumption.

The current retail water rates, effective as of July 1, 2016, are shown in Table 3-1 and Table 3-2. Residential and commercial customers are assessed minimum charges that increase with increasing meter size. Larger water meters can place greater demands on the water system and, thus, should pay a greater fixed charge to compensate the utility for the infrastructure placed into service to serve this potential demand.

Table 3-1  
Current Monthly Minimum Water Rates

Meter Size (inches)	Monthly Minimum Bill
Residential & Commercial	
5/8"	\$18.00
1"	23.96
1.5"	32.76
2"	41.80
3"	74.62
4"	121.69
6"	211.48
8"	373.54
Construction Meters	
3/4"	18.00
4"	121.69
Hydrant Meter	\$107.00

Residential and commercial customers have a volumetric rate structure with a declining block volumetric rate, that is a volumetric rate which decreases the unit charge as consumption increases. In recent years, many utilities have been transitioning away from declining block rates in an effort to encourage customers to conserve water. Table 3-2 lists the current volumetric rates for residential and commercial customers.

Table 3-2  
Current Volumetric Water Rates

Customer Class	Volumetric Rate (per Cubic Foot)
Residential	
0 – 268	\$ -
269-670	0.02376
> 670	\$0.01506
Commercial	
0 – 268	-
269-670	0.02991
> 670	\$0.01517

Changes to the rate design structure are recommended to improve the equity of overall charges to customers and to encourage conservation. The Project Team recommends changes to the existing rate structure based on the standards promulgated by the American Water Works Association (AWWA). These changes include the following:

- Both residential and commercial customers’ minimum charges should be increased based on the AWWA meter flow capacities. Therefore, larger water meter sizes should have the minimum charge increased commensurate with their ability to place demands on the system; and
- Transition the current residential and commercial declining block rate structure to reflect an inclining block rate structure, to promote water conservation through an equitable rate design.

These changes are discussed in more detail below.

### 3.2.2 Escalating Meter Charges

The investment required in a water system is in direct relationship to the number and size of connections on the system. For connections which are larger in size, the City must install larger capacity infrastructure to meet the instantaneous demand that can be placed on the system by these larger connections. As such, from a pure cost causation standpoint, it is common industry practice to charge larger size connections (i.e., larger meters) higher monthly charges, based on the recognized demand each size meter can place on the system.

In establishing charges which escalate based on meter size, the Project Team recommends utilizing the meter flow capacities, which can be found in AWWA publications. These capacities are used to establish higher charges for larger meters based on the relationship in recognized flow on a gallons per minute (gpm) basis.



Table 3-3 illustrates these meter factors.

**Table 3-3  
Meter Factors**

Meter Size	Current Meter Factor Applied	AWWA Meter Factor	Variation
3/4"	1.0	1.0	-
1"	1.33	1.67	0.34
1 1/2"	1.82	3.33	1.51
2"	2.32	5.33	3.01
3"	4.15	10.00	5.85
4"	6.76	16.67	9.91
6"	11.75	33.33	21.58
8"	20.75	53.33	32.58

The Project Team has designed monthly water minimum charges that gradually adjust over the 10-year forecast period to increase by meter size to reflect the demands placed on the system.

### **3.2.3 Phase Out Declining Block Rate**

In order to better promote conservation in rate design an inclining block rate structure is typically utilized. An inclining block rate structure increases the unit rate paid as the volume of usage increases. Due to the economic concept of elasticity of demand, with the cost of water rising based on consumption, the user is more inclined to use less water in order to avoid the higher costs. These measures result in less water consumption by customers and send a better pricing signal to customers to encourage conservation. In an effort to minimize the impact this type of rate structure has on indoor (essential) water use, this rate design typically includes average residential indoor water use at the lowest volumetric rate. In the City's current rate structure, this average residential indoor water use volume (268 cubic feet) is included as part of the minimum charge.

The City currently maintains a declining block rate structure for residential and commercial customers. Currently 66% of the residential consumption is in the highest tier, and 95% of the commercial consumption is in the highest tier. In order to mitigate the overall rate impact resulting from transitioning the rate structure from a declining to inclining structure, the Project Team recommends the City gradually decrease the variance between the current rate blocks until the rate blocks are essentially the same in FY 2020. After FY 2020, NewGen recommends a modest increase in the volumetric rate for the highest tier, with an inclining block rate structure fully implemented by FY 2024.

### **3.2.4 Proposed Rates**

In consideration of the City's financial policies, such as maintaining a reserve balance equal to 25% of operating expense, the adopted rates must generate sufficient revenue to meet these metrics as well as recover the cost of service.

Table 3-4 illustrates the estimated water rates for residential and commercial customers under the proposed rate structure for the 10-year forecast period.

**Table 3-4  
Proposed Residential and Commercial Water Rates**

	Current	FY 2018	FY 2020	FY 2022	FY 2024	FY 2026
<b>Minimum Charge (Residential and Commercial)</b>						
3/4" or less	\$18.00	\$18.00	\$18.00	\$18.00	\$18.00	\$18.00
1"	23.96	30.06	30.06	30.06	30.06	30.06
1.5"	32.76	45.00	59.94	59.94	59.94	59.94
2"	41.80	63.00	95.94	95.94	95.94	95.94
3"	74.62	108.00	180.00	180.00	180.00	180.00
4"	121.69	180.00	300.06	300.06	300.06	300.06
6"	211.48	288.00	450.00	599.94	599.94	599.94
8"	373.54	540.00	720.00	959.94	959.94	959.94
<b>Volumetric Rate (per cubic foot) - Residential</b>						
0 – 268 CF	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
269 – 670 CF	0.02376	0.02138	0.01818	0.01818	0.01818	0.01818
>670 CF	0.01506	0.01657	0.01822	0.01922	0.02022	0.02022
<b>Volumetric Rate (per cubic foot) - Commercial</b>						
0 – 268 CF	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
269 – 670 CF	0.02991	0.02542	0.01818	0.01818	0.01818	0.01818
>670 CF	0.01517	0.01669	0.01822	0.01922	0.02022	0.02022

Proposed water rates for the entire 10-year forecast are located in Schedule 7, in the Appendix.

Table 3-5 shows the proposed water rates for construction and hydrant customers under the proposed new rate structure for the next 10 years.

**Table 3-5  
Proposed Construction and Hydrant Rates**

	Current	FY 2018	FY 2020	FY 2022	FY 2024	FY 2026
<b>Minimum Charge</b>						
<b>Construction</b>						
3/4" or less	\$18.00	\$18.00	\$18.00	\$18.00	\$18.00	\$18.00
4"	121.69	180.00	300.06	300.06	300.06	300.06
<b>Hydrant</b>	107.00	125.00	150.00	150.00	150.00	150.00
<b>Volumetric Rate (per cubic foot)</b>						
<b>Construction</b>						
Hydrant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0 – 2,000 CF	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
> 2,000 CF	0.06000	0.06600	0.07260	0.07986	0.07986	0.07986

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Table 3-6 illustrates the expected revenue under the projected rates as compared to the projected revenue requirement. Table 3-6 illustrates that the water utility will generate enough revenue to sufficiently recover the cost of service if the proposed rates are implemented.

Table 3-6  
Projected Water Revenue Performance with the Proposed Rates

	FY 2018	FY 2020	FY 2022	FY 2024	FY 2026
Projected Revenue Under Proposed Rates	\$2,735,479	\$2,896,978	\$3,028,798	\$3,143,285	\$3,174,797
Revenue Requirement	(2,518,280)	(2,695,687)	(2,877,966)	(3,054,536)	(3,187,629)
Over/(Under) Recovery	217,199	201,291	150,832	88,749	(12,832)
Cumulative Over/(Under) Recovery	\$454,570	\$753,048	\$1,021,584	\$1,189,413	\$1,188,505

Schedule 1 (page 8 of 9) provides additional detail regarding the proposed water rates and revenue performance.

### 3.2.5 Average Residential Water Bill

Using the proposed rates, Table 3-7 presents the projected monthly impact for residential customers with a 3/4-inch meter, assuming consumption of 500, 1,000, and 1,500 cubic feet.

Table 3-7  
Average Residential Water Bill

	Current	FY 2018	FY 2020	FY 2022	FY 2024	FY 2026
500 Cubic Feet	\$23.51	\$22.96	\$22.22	\$22.22	\$22.22	\$22.22
Adjustment from Prior Year		(2.3%)	(3.2%)	0%	0%	0%
1,000 Cubic Feet	\$32.53	\$32.06	\$31.32	\$31.65	\$31.98	\$31.98
Adjustment from Prior Year		(1.4%)	(2.3%)	1.1%	1.0%	0%
1,500 Cubic Feet	\$40.05	\$40.35	\$40.43	\$41.26	\$42.09	\$42.09
Adjustment from Prior Year		0.7%	0.2%	2.0%	2.0%	0%

## 3.3 Wastewater Rates

The current wastewater rates are shown in Table 3-8. Residential and commercial customers are both charged a minimum monthly charge. Commercial customers are also charged a volumetric rate per cubic foot of water consumption.

### 3.3.1 Wastewater Rate Structure

The commercial wastewater rate structure is composed of a monthly minimum charge, and a volumetric charge which is typical for the industry. Currently, the residential wastewater rate is composed of a flat monthly minimum charge and no volumetric charge. This type of rate structure is rarely used any longer in the industry for billing residential customers. It is more typical for residential customers to pay a minimum charge per month, plus a volumetric rate based on the residential customer's monthly water

consumption. The volumetric rate charged to residential customers for wastewater service is typically based on their average winter water consumption (November, December, January, and February). A resident’s average water consumption during these winter months is typically fairly representative of their return flows to the wastewater system, as irrigation use in winter months is minimal to none.

The current wastewater rates are shown in Table 3-8.

**Table 3-8  
Current Residential and Commercial Wastewater Rates**

Customer	Rate
<b>Residential</b>	
Minimum Monthly Customer Charge	\$18.80
Volumetric (per cubic foot)	-
<b>Commercial</b>	
Minimum Monthly Customer Charge	\$4.41
Volumetric (per cubic foot)	0.03360

### 3.3.2 Proposed Rates

The wastewater rates, just like the water rates, must generate sufficient revenue to recover the cost of service, and comply with the City’s reserve policy of maintaining 25% of the utility’s operating expenses in a dedicated reserve.<sup>3</sup>

In designing rates that are consistent with rate setting practices within the wastewater industry, NewGen is incorporating a volumetric rate for the residential customers and increasing the monthly minimum bill for commercial customers to be more consistent with the monthly minimum bill charged residential customers. The rate structure designed by NewGen also recommends that the residential and commercial customer classes should both be paying the same volumetric rate per cubic foot of wastewater generated – which is achieved in FY 2023 (See Schedule 7, page 5 of 6). It should be recognized that increases are needed in the wastewater rate structure in order to fund the construction of the new wastewater treatment plant that is being designed for the City of Green River. The recommended rate structure ensures that the cost of the facility is equitably shared by all residential and commercial customers.<sup>4</sup>

<sup>3</sup> This is a standard financial policy for both publically and privately operated utilities.

<sup>4</sup> Each residential customer’s “winter average” water consumption for wastewater billing purposes will be based on the three lowest months of water consumption during the months of November, December, January and February. So if a residential customer averages 500 cubic feet of water consumption in three of the four months (with the fourth month at 750 cubic feet), then the monthly volumetric charge would be 500 cubic feet multiplied by the volumetric wastewater rate. This is the standard billing approach for residential wastewater customers within the industry.

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Table 3-9 shows the proposed wastewater rates for retail customers during the even years of the 10-year forecast.

**Table 3-9  
Proposed Residential and Commercial Wastewater Rates**

	Current	FY 2018	FY 2020	FY 2022	FY 2024	FY 2026
<b>Residential</b>						
Minimum Charge	\$18.80	\$18.80	\$18.80	\$18.80	\$18.80	\$18.80
Volumetric (per cubic foot)	-	0.00500	0.01750	0.03000	0.03937	0.03937
<b>Commercial</b>						
Minimum Charge	\$4.41	\$11.41	\$18.80	\$18.80	\$18.80	\$18.80
Volumetric (per cubic foot)	0.03360	0.03360	0.03360	0.03360	0.03937	0.03937

Table 3-10 shows the forecasted revenue generated by the proposed wastewater rates. With the proposed rate structure, the wastewater facility generates sufficient revenue to recover the cost of providing wastewater services, and building a new wastewater treatment plant.

**Table 3-10  
Projected Wastewater Revenue with the Proposed Rates**

	FY 2018	FY 2020	FY 2022	FY 2024	FY 2026
Projected Revenue Under Proposed Rates	\$1,590,519	\$2,016,487	\$2,443,599	\$2,863,195	\$2,891,898
Rate Revenue Requirement	(1,454,428)	(1,848,823)	(2,675,208)	(2,752,288)	(2,833,682)
Over/(Under) Recovery	136,091	167,664	(231,609)	110,907	58,217
Cumulative Over/(Under) Recovery	\$293,717	\$685,509	\$291,941	\$389,680	\$532,977

### 3.3.3 Average Residential Wastewater Bill

Table 3-11 presents the monthly impact of the proposed wastewater rates on residential customer bills at 675 and 1,000 cubic feet of billed wastewater volume.

**Table 3-11  
Average Residential Wastewater Bill**

	Current	FY 2018	FY 2020	FY 2022	FY 2024	FY 2026
675 Cubic Feet	\$18.80	\$22.18	\$30.61	\$39.05	\$45.37	\$45.37
Adjustment from Prior Year <sup>(1)</sup>		18.0%	16.0%	12.1%	4.9%	0%
1,000 Cubic Feet	\$18.80	\$23.80	\$36.30	\$48.80	\$58.17	\$58.17
Adjustment from Prior Year		26.6%	20.8%	14.7%	5.7%	0%

1. The percentage increase is calculated on the prior year's average bill. The "odd years" are not shown in this table so the annual percentage increase shown in Table 3-12 ties to the detailed wastewater rate forecast as shown in Schedule 7, page 5 of 6.

### 3.4 Stormwater Rates

Currently the City does not charge for stormwater services. NewGen evaluated the cost and resulting rates associated with the development of a separate stormwater utility. NewGen has developed rates to sufficiently recover the cost of providing stormwater services.

#### 3.4.1 Stormwater Rate Structure

The proposed stormwater rate has a monthly minimum charge and no volumetric charge which is typical for the industry. Furthermore, NewGen has designed stormwater rates for commercial customers, and placed them in the following customer classes:

- Small – 3/4” to 1” meters
- Medium – 1 3/4 to 3” meters
- Large – 4” to 8” meters

#### 3.4.2 Proposed Rates

The Project Team has proposed gradual rate increases, as shown in Table 3-12. The City should carefully monitor rate revenue performance to ensure the stability of the revenue stream. Should revenues not be generated as anticipated, more immediate rate action may be needed.

Table 3-12  
Proposed Stormwater Rates

	Current	FY 2018	FY 2020	FY 2022	FY 2024	FY 2026
<b>Residential</b>						
Minimum Charge	\$-	\$3.00	\$3.50	\$3.75	\$4.00	\$4.00
<b>Commercial <sup>1</sup></b>						
Small	\$-	3.00	3.50	3.75	4.00	4.00
Medium	-	6.00	7.00	7.50	8.00	8.00
Large	-	\$30.00	\$35.00	\$37.50	\$40.00	\$40.00

1. Commercial rates have the following multipliers based on the residential rate. Small = 1, Medium = 2.0, and Large = 10.00.

Table 3-13 shows the projected revenue generated by the proposed stormwater rates. With the proposed rate structure, the stormwater facility generates sufficient revenue to recover the cost of providing stormwater services.

Table 3-13  
Projected Stormwater Revenue with the Proposed Rates

	FY 2018	FY 2020	FY 2022	FY 2024	FY 2026
Projected Revenue Under Proposed Rates	\$162,270	\$189,315	\$204,871	\$220,720	\$222,932
Revenue Requirement	(160,223)	(168,336)	(201,956)	(211,114)	(220,826)
Over/(Under) Recovery	2,047	20,979	2,915	9,606	2,107
Cumulative Over/(Under) Recovery	\$2,047	\$21,076	\$41,679	\$50,712	\$58,744

### 3.5 Municipal Solid Waste Rates

#### 3.5.1 Solid Waste Allocation to Customer Classes

After calculating the costs for each service category over the forecasted 10-year period, the service categories' costs were then allocated to a customer class. Table 3-14 identifies the recovery basis for each service category.

Table 3-14  
Service Category Allocations

Service Category	Recovery Basis
Administration	Redistributed to All Service Categories Based on Customer Count
Automated Cart Collection – Refuse	Monthly 90-gallon cart and 300-gallon container rates
Community Clean Up	Monthly Residential Rate
Yard Waste Drop-off/ Processing	Monthly Residential Rate
On-Call Bulk Trash Collection	Monthly Residential Rate
Recycling Collection – Commercial Cardboard	Commercial Front Load Recycling Rate
Front Load – Refuse	Commercial Front Load Refuse Rate
HHW Collection & Disposal	Monthly Residential Rate
Disposal Tip Fee	Allocated to Residential and Commercial Collection Service Categories Based on CY of Capacity
Recycling Processing/ Recycling Drop-off	Monthly Residential Rate
Transfer Station	Redistributed to All Service Categories Based on Customer Count

#### 3.5.2 Determination of Billing Units

In order to calculate the cost of service on a customer basis, NewGen determined the number of annual billing units for the residential and commercial customers classes. NewGen received billing data for each customer class from City staff and determined the cost of service by dividing the cost of service by the appropriate billing units.

##### 90-Gallon Cart Collection

The City charges a flat monthly fee to each cart account serviced by the City. Table 3-15 provides the billing unit forecast for the cart customer class. The projections were developed assuming no growth in the residential customer class in order to keep the rate analysis conservative. Please note that the refuse units reflected below include both commercial and residential accounts, as some commercial accounts are provided service via cart.

**Table 3-15  
90-Gallon Cart Billing Units**

	FY 2018	FY 2020	FY 2022	FY 2024	FY 2026
<b>Residential Customers</b>					
90-Gallon Carts	3,620	3,620	3,620	3,620	3,620
Additional Refuse Carts <sup>1</sup>	181	181	181	181	181
<b>Total Residential</b>	<b>3,801</b>	<b>3,801</b>	<b>3,801</b>	<b>3,801</b>	<b>3,801</b>
<b>Commercial Customers</b>					
90-Gallon Carts	47	47	47	47	47
Additional Refuse Carts <sup>1</sup>	2	2	2	2	2
<b>Total Commercial</b>	<b>49</b>	<b>49</b>	<b>49</b>	<b>49</b>	<b>49</b>

1. All additional carts are 90-gallon.

### 300-Gallon Container Collection

With the City’s potential transition to a commercial front load collection operation for larger commercial accounts, a number of the City’s 300-gallon business customers would be moved from their current 300-gallon container(s), to a front load metal dumpster (4 CY, 6 CY, or 8 CY). NewGen analyzed 300-gallon customer data provided by City Staff and re-designed the 300-gallon container matrix, based on the number of customers, and their respective collection frequency, that the City and NewGen projected would transition to a front load dumpster. Tables 3-16 and 3-17 below show the original number of 300-gallon containers, and the resulting new matrix of 300-gallon containers once those customers are transitioned to front load collection.

**Table 3-16  
Current Number of 300-Gallon Accounts**

<u>Current Number of Accounts</u>	Collection Frequency (Per Week)						Total Accounts	Total Containers
	1	2	3	4	5	6		
1 Container	114	24	8	2	5	2	155	155
2 Container	19	13	12	2	8	0	54	108
3 Container	3	3	2	0	2	0	10	30
4 Container	4	2	2	1	1	1	11	44
5 Container	1	0	0	0	1	0	2	10
6 Container	0	1	1	1	0	1	4	24
7 Container	0	1	0	0	0	0	1	7
8 Container	0	0	0	0	0	0	0	0
9 Container	0	1	1	0	0	0	2	18
10 Container	0	0	0	0	0	0	0	0
<b>Total Original Accounts</b>	<b>141</b>	<b>45</b>	<b>26</b>	<b>6</b>	<b>17</b>	<b>4</b>	<b>239</b>	<b>396</b>



Table 3-17  
New Estimated Number of 300-Gallon Accounts

New Estimated Accounts	Collection Frequency (Per Week)						Total Accounts	Total Containers
	1	2	3	4	5	6		
1 Container	113	11	1	1	2	0	128	128
2 Container	7	0	0	0	0	0	7	14
3 Container	1	0	0	0	0	0	1	3
4 Container	0	0	0	0	0	0	0	0
5 Container	0	0	0	0	0	0	0	0
6 Container	0	0	0	0	0	0	0	0
7 Container	0	0	0	0	0	0	0	0
8 Container	0	0	0	0	0	0	0	0
9 Container	0	0	0	0	0	0	0	0
10 Container	0	0	0	0	0	0	0	0
<b>New Estimated Accounts</b>	<b>121</b>	<b>11</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>136</b>	<b>145</b>

Table 3-18 provides the annual number of plastic container collections for both 90-gallon carts and 300-gallon containers.

Table 3-18  
Annual Cart/Container Collections (90 and 300-Gallon)

	90-Gallon Carts <sup>(1)</sup>	300-Gallon Carts <sup>(2)</sup>
Total Annual Collections	200,200	8,788
1. 90-gallon collections calculated based on the residential and commercial can count multiplied by 52 weeks. 2. 300-gallon collections calculated based on the revised 300-gallon matrix		

### Commercial Front Load Collection

With the transition to a front load collection operation, the City intends to provide commercial customers with refuse collection via front load dumpsters in the following sizes: 4, 6, or 8 CY. Commercial customers are assessed a fixed charge per collection based on the size of the dumpster collected. Billing units for front load commercial collection are comprised of two components:

- **Collection cost:** Used to recover the cost of collection operations, administration, and container maintenance
- **Volume of disposal capacity:** Measured in cubic yards and used to allocate disposal costs to each cubic yard of container capacity

Table 3-19 shows the projected billing units for front load commercial refuse customers. To be conservative, NewGen assumed a 0% growth rate for these customers. The customer counts displayed in Table 3-19 are based on the number of customers that NewGen removed from the original number of 300-gallon containers provided by City Staff.

Table 3-19  
Commercial Front Load Refuse Collection Accounts

Dumpster Size	Collection Frequency						Total
	1	2	3	4	5	6	
4 CY	19	11	19	3	12	-	64
6 CY	30	10	4	6	-	2	52
8 CY	-	-	-	-	-	-	-
<b>Total Front Load</b>	<b>49</b>	<b>21</b>	<b>23</b>	<b>9</b>	<b>12</b>	<b>2</b>	<b>116</b>

### 3.5.3 Municipal Solid Waste Rate Structure

The City currently charges a monthly rate for residential and commercial 90-gallon cart collection, with an additional charge for additional carts. For commercial 300-gallon containers, the City charges a “per lift” fee. As the City plans to transition to commercial front load collection, the current “per lift” methodology is no longer applicable. NewGen has designed rates for front load commercial cardboard and commercial refuse collection, utilizing a rate matrix, which is widely used in the industry.

### 3.5.4 Proposed Rates

The Project Team has proposed rate increases to support the City’s plan to close the City’s landfill, construct a new transfer station, and transition to a front load collection operation for commercial refuse and cardboard, as shown in Table 3-20. The City should carefully monitor rate revenue performance to ensure the stability of the revenue stream. Should revenues not be generated as anticipated, more immediate rate action may be needed.

Table 3-20 shows the proposed municipal solid waste rates for residential and commercial customers during the even years of the 10-year forecast. Schedule 8 provides a more detailed rate design forecast showing all 10 years (FY 2017 – FY 2026).

The average annual increase over 10 years to a residential customer’s bill equates to a 7.5% annual rate increase. This includes the cost of closing the City’s landfill and beginning the operation of the transfer station.

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**Table 3-20  
Proposed Residential and Commercial Municipal Solid Waste Rates**

	Current	FY 2018	FY 2020	FY 2022	FY 2024	FY 2026
<b>Residential</b>						
90-Gallon, First Container	\$25.50	\$35.00	\$45.00	\$47.50	\$49.00	\$49.00
90-Gallon, Second Container	\$17.70	\$20.00	\$25.00	\$25.00	\$25.00	\$25.00
<b>Commercial</b>						
90-Gallon, First Container	\$25.50	\$35.00	\$45.00	\$47.50	\$49.00	\$49.00
90-Gallon, Second Container	\$17.70	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00
300 Gallon 1x Week <sup>(1)</sup>	\$76.70	\$75.00	\$77.25	\$79.57	\$81.95	\$81.95
300-Gallon Collections Exceeding 1 x Week	\$17.70	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00
Cardboard (per 4 CY and 6 CY container) <sup>(2)</sup>	-	\$58.50	\$61.00	\$64.00	\$67.00	\$67.00

1. The current rate charged by the City for a 300-gallon collection is \$17.70 per lift (\$17.70 x 4.33 collections per month = \$76.70). NewGen's proposed rate is a monthly rate, with additional collections (more than once per week) charged on a per lift basis.
2. There is no current rate for commercial cardboard via front load collection.

Commercial front load refuse rates are provided in Table 3-21, in a matrix format. It is exceedingly common in the industry for municipalities to structure dumpster rates in such a fashion. It is important to note that for commercial businesses that generate a large amount of waste, the metal dumpsters offer a considerable cost savings on a per cubic yard basis. For instance, a 300-gallon container costs \$17.32 for 1.5 CY of waste to be collected.<sup>5</sup> A 4 CY dumpster collected six times per week costs only \$22.45 for 4 CY of waste to be collected.<sup>6</sup> That is a 30% increase in cost for 166% more capacity. Another way to quantify the cost savings is to examine the effective cost per cubic yard of disposal. A 300-gallon container costs \$11.54 per CY and a 4 CY is \$5.61 per CY – **less than half the cost.**<sup>7</sup>

**Table 3-21  
Proposed Commercial Refuse Front Load Rates – FY 2018**

Dumpster Size	Collection Frequency (per week)					
	1	2	3	4	5	6
4 CY	\$115.52	\$209.04	\$302.57	\$396.10	\$489.62	\$583.15
6 CY	145.96	269.93	393.90	517.87	641.84	765.81
8 CY	176.40	330.81	485.23	639.64	794.05	948.47

Table 3-22 shows the projected revenue using the proposed municipal solid waste rates.

<sup>5</sup> \$75.00 ÷ 4.33 collections per month = \$17.32.

<sup>6</sup> \$583.11 ÷ (4.33 weeks x 6 collections/week) = \$22.45.

<sup>7</sup> \$17.32 ÷ 1.5 CY = \$11.54 per CY; \$22.45 ÷ 4 CY = \$5.61 per CY.

Table 3-22  
 Projected Municipal Solid Waste Revenue Performance with the Proposed Rates

	FY 2018	FY 2020	FY 2022	FY 2024	FY 2026
Projected Revenue Under Proposed Rates	\$2,126,584	\$2,593,231	\$2,719,745	\$2,802,691	\$2,802,691
Revenue Requirement	(2,394,919)	(2,506,986)	(2,637,687)	(2,786,007)	(2,942,600)
Over/(Under) Recovery	(268,335)	86,245	82,058	16,684	(139,909)
Cumulative Over/(Under) Recovery	\$24,132 <sup>(1)</sup>	\$8,447	\$227,255	\$252,842	\$52,383

1. Carried over from FY 2017. See Schedule 2, page 8 of 8.

### 3.6 Rate Benchmarking

#### 3.6.1 Water and Wastewater Benchmarking

Figure 3.1 shows the monthly water and wastewater bill for a residential customer that consumes 1,500 CF of water, and generates 750 CF of wastewater. NewGen benchmarked the City of Green River with seven other communities that are located in Wyoming or geographically near the City of Green River. Based on the City of Green River’s current, as well as proposed water and wastewater rates for FY 2018, the City of Green River compares very favorably with the other cities.

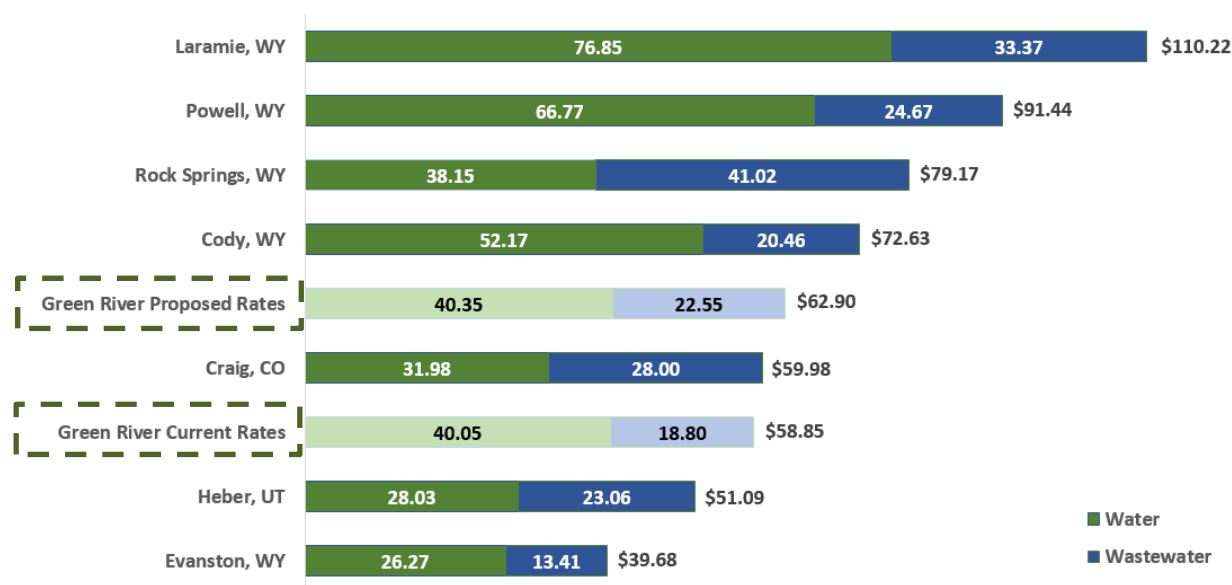


Figure 3-1. Water and Wastewater Benchmarking Data

### 3.6.2 Municipal Solid Waste Benchmarking

Figure 3.2 shows the typical monthly solid waste rate for a residential customer. Based on the City of Green River’s current as well as proposed solid waste rates for FY 2018, the City of Green River has one of the highest solid waste rates, per the information available from the other communities.

NewGen would emphasize that when benchmarking solid waste rates with neighboring communities for comparison purposes, it is important to remember that the rates may not “tell the entire story.” For instance, in the case of Rock Springs the residential rate is \$19 per month, but does not include the tax assessment for the solid waste district which is included in each homeowner’s annual tax bill, and effectively adds an additional \$6 per month to the rate.<sup>8</sup> Larger cities will typically, but not always, have greater economies of scale due to a larger residential and commercial customer base, resulting in lower solid waste rates. Communities will sometimes realize a lower residential solid waste rate through the operation of a landfill which then charges a “host fee” per ton of waste brought in from outside the city/county, which is then used to subsidize their community’s local residential solid waste rate. Smaller communities that have to haul their waste to another community for disposal typically have a higher residential rate since they have the additional cost of hauling the material to another city or county, and this may require the construction of a transfer station. In summary, there are many factors that may cause residential solid waste rates to vary between communities, and those factors need to be considered when comparing solid waste rates.

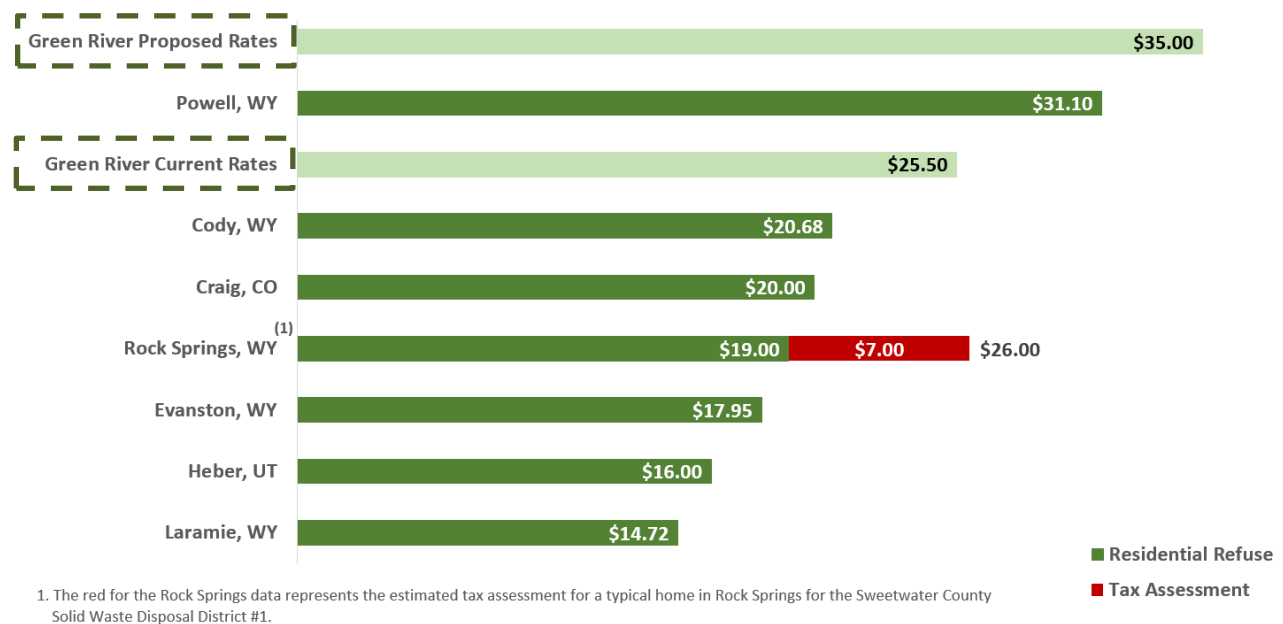


Figure 3-2. Municipal Solid Waste Benchmarking Data

<sup>8</sup> This is an estimate, as the tax assessment will vary based on the assessed value of the home.

## Section 4

# POLICY ISSUES AND RECOMMENDATIONS

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This section addresses several policy issues and provides recommendations by NewGen for consideration by the City. These recommendations are based on NewGen’s experience with cost of service and rate design studies as well as NewGen’s expertise in dealing with economic and financial planning issues for municipal utilities throughout the United States.

### 4.1 Each Utility Should Operate Financially Independent – No Financial Subsidies

It is important that each utility – water, wastewater, stormwater, and municipal solid waste be able to operate financially independent from the other utilities (i.e., on a “stand alone” basis). One utility should not be required to subsidize another utility, as that can potentially lead to legal challenges or complaints from certain customers that may not use one utility as much as another. For instance, if a customer is a large user of water, but not a large user of the wastewater system, the City should not have water rates that generate “excess revenue” to subsidize the wastewater utility.<sup>9</sup> The rates proposed by NewGen ensure that the utilities operate in an independent manner and are not required to subsidize any of the other utilities.

### 4.2 Equivalent Meter Factors

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

The City currently charges minimum bills that increase with an increase in the meter size. However, the minimum bills for some of the larger meter sizes do not increase sufficiently to reflect the demand capacities of these meters. For the purposes of designing minimum bills, NewGen utilized the American Water Works Association’s published meter factors, which align with industry best management practices to transition the City’s minimum bills to match AWWA standard meter factors by year six (FY 2022) of the 10-year forecast period. These meter factors are shown in Table 4-1.

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<sup>9</sup> It should be noted that this is merely an example and the City does not have any type of subsidy occurring between the four utilities.

Table 4-1  
Meter Factors

Meter Size	Current Meter Factor Applied	AWWA Meter Factor	Variation
3/4	1.0	1.0	-
1	1.33	1.67	0.34
1 ½	1.82	3.33	1.51
2"	2.32	5.33	3.01
3"	4.15	10.00	5.85
4"	6.76	16.67	9.91
6"	11.75	33.33	21.58
8"	20.75	53.33	32.58

### **4.3 Inclining Block Rates**

It is very common for municipalities to implement inclining block rates for billing water consumption. Increasing block rates encourage water conservation. NewGen has designed rates that allow the City to phase away from a declining block rate structure for residential and commercial water customers to achieve a modest inclining block rate structure by FY 2020.

Since the change from a declining to an inclining block rate structure is to be phased in over the next three years, the City may wish to conduct further analysis to determine whether some of the larger commercial customers should be considered for a straight volumetric rate structure due to their economic contribution to the City. Any consideration of a straight volumetric rate structure for large industrial and/or institutional customers should be evaluated during FY 2018. NewGen does not believe it is necessary, however that may be something the City wishes to further study. Regardless, the City should phase away from the declining block rate structure.

### **4.4 Monitor the Residential “Winter Average” Consumption Data**

As the City phases in a residential “winter average” for billing wastewater consumption with a minimum monthly charge AND a volumetric rate, it is important to ensure the billing department be educated on how to properly capture that data. It is equally important to educate the residential customers to this new billing format.

### **4.5 Continue the Use of a Dedicated Reserve for Each Utility**

NewGen would recommend the City continue the use of a dedicated reserve for each utility. The establishment of a reserve for each utility has allowed the City to prepare for some significant capital expenditures without the need to issue debt (i.e., the water utility). Schedule 4 (Rolling Stock) and Schedule 6 (Reserves) have been specifically designed by NewGen to assist the City in the continual use of these dedicated reserves. Having the available funds to purchase equipment and fund major capital repairs is a critical component to running a utility, no less four separate utilities.

#### **4.6 Track Tonnage – Transfer Station, City Trucks, etc.**

With the closing of the City’s landfill it will be essential that the City review the tonnage, by truck, that is being transported to the Rock Springs Landfill, on a weekly basis. It is important to track the tonnage to make sure not only that the routing and loads are being optimized, but also to track the annual tonnage of waste being generated and disposed of by the City of Green River. It is also essential to track the tonnage being collected in the conversion to a commercial front load operation to ensure that the routes are balanced. NewGen would also recommend that this tonnage information be used to assist in negotiating a lower tipping fee, if possible, as one of the largest customers of the Rock Springs Landfill.

#### **4.7 Transfer Station Charges**

NewGen would strongly recommend that a clearly defined and equitable rate structure be implemented at the transfer station for commercial businesses that bring their waste to the transfer station. The rate should be sufficient to recover an equitable portion of the operating costs associated the transfer station, as well as the disposal cost at the Rock Springs Landfill. Revenues generated through these fees can help offset overall costs for the solid waste utility, which will directly assist in minimizing future increases to the monthly residential solid waste rate.

#### **4.8 Container Audit**

Conduct a container audit of all containers in the field as well as those in inventory, with a specific focus on commercial businesses. The City should then compare the number of containers in the field versus what is being billed to the commercial customers. Oftentimes NewGen has found that containers are either being picked up more frequently than they are billed, or there are more, or larger containers in the field, than what is billed. That may or may not be the case in Green River, but it is always good to verify that it is not the case.

#### **4.9 Track Front Load Container Conversion**

NewGen and the City worked in a collaborative manner to develop a forecast of the number of customers, size of dumpsters, and frequency of collection that would be required in the conversion to commercial front load dumpsters. This was a “high-level” analysis that went beyond the initial scope of services as part of this cost of service study. Nevertheless, NewGen worked with the City to complete this task so as to provide a comprehensive cost of service study. This conversion should be monitored closely – both operationally and financially as this was an estimate based on the current customer base and is subject to change.

#### **4.10 Stormwater Rates – GIS Based**

NewGen provided stormwater rates that are easy to understand and implement. As GIS data becomes more readily available, the City may wish to convert some of the larger commercial accounts to a GIS based rate.



## Appendix

### List of Schedules

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#### List of Schedules

Schedule 1	Water, Wastewater, and Stormwater Revenue Requirement
Schedule 2	Municipal Solid Waste Revenue Requirement
Schedule 3	CIP (Excluding Rolling Stock)
Schedule 4	Rolling Stock
Schedule 5	Debt Issues
Schedule 6	Reserves
Schedule 7	Water, Wastewater, and Stormwater Proposed Rates
Schedule 8	Municipal Solid Waste Proposed Rates

City of Green River, Wyoming  
Water, Wastewater, Stormwater, and Municipal  
Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Water, Wastewater, and Stormwater Financial Forecast										CITY OF GREEN RIVER																													
Test Year Based on:										2016 Budget																													
Line No.	Department	Account Code	Detailed Account Code	Account Name	Test Year	Inflation Factor	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Notes/ Source																						
							FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026																							
<b>1 Wastewater</b>																																							
<b>2 Utility Engineering Expenses</b>																																							
<b>3 Administrative Duties WW</b>																																							
4	71.	51	10	Personnel Services Full-Time Salaries	\$	72,723	Salaries	\$	74,905	\$	77,152	\$	79,466	\$	81,850	\$	84,306	\$	86,835	\$	89,440	\$	92,123	\$	94,887	\$	97,733												
5	71.	52	20	Premium Pay Shift Differential Full-time		20	Salaries		20		21		22		22		23		24		24		25		26		27												
6	71.	52	30	Premium Pay Full-time Overtime		551	Salaries		568		585		602		620		639		658		678		698		719		740												
7	71.	53	10	Employee Benefits Budget Federal Taxes		5,631	Benefits		5,800		5,974		6,153		6,337		6,527		6,723		6,925		7,133		7,347		7,567												
8	71.	53	20	Employee Benefits Budget Worker Compensation		2,595	Benefits		2,672		2,753		2,835		2,920		3,008		3,098		3,191		3,287		3,385		3,487												
9	71.	53	30	Employee Benefits Budget Retirement		11,632	Benefits		11,981		12,341		12,711		13,092		13,485		13,889		14,306		14,735		15,177		15,633												
10	71.	53	40	Employee Benefits Budget Health Insurance		15,166	Benefits		15,621		16,090		16,572		17,070		17,582		18,109		18,652		19,212		19,788		20,382												
11	71.	53	50	Employee Benefits Budget Uniform Allowance		310	General		317		324		332		340		347		356		365		374		383		393												
12	71.	60		Operations & Maintenance Budget		2,000	General		2,046		2,093		2,141		2,190		2,241		2,297		2,354		2,413		2,473		2,535												
13	71.	62	10	Supplies Office Supplies		-	General		-		-		-		-		-		-		-		-		-		-												
14	71.	62	20	Supplies Tech/General Supplies		-	General		-		-		-		-		-		-		-		-		-		-												
15	71.	62	50	Supplies Fleet Maintenance & Supplies		-	General		-		-		-		-		-		-		-		-		-		-												
16	71.	62	60	Supplies Operational Maintenance & Repair		-	General		-		-		-		-		-		-		-		-		-		-												
17	71.	63	20	Outside Services Advertising		-	General		-		-		-		-		-		-		-		-		-		-												
18	71.	63	30	Outside Services Non-Professional Services		-	General		-		-		-		-		-		-		-		-		-		-												
19	71.	65	30	Training, Travel & Meals Travel & Meals		-	General		-		-		-		-		-		-		-		-		-		-												
20	71.	66	40	Public Utility Services Postage & Shipping		-	General		-		-		-		-		-		-		-		-		-		-												
21	71.	66	60	Public Utility Services Telephone & T.V. Charges		-	General		-		-		-		-		-		-		-		-		-		-												
22	71.	68	10	Other Services & Charges Subscriptions, Memberships, Dues		-	General		-		-		-		-		-		-		-		-		-		-												
23	71.	68	20	Other Services & Charges City Purchased Uniforms		84	General		86		88		90		92		94		96		99		101		104		106												
24	71.	69	20	Depreciation		-	None		-		-		-		-		-		-		-		-		-		-												
25	71.	69	99	Small Asset Purchases		-	Equipment Co		-		-		-		-		-		-		-		-		-		-												
26	71.	70		Capital Asset Purchase		-	Equipment Co		-		-		-		-		-		-		-		-		-		-												
27				Compensated Absence		33,360	Salaries		33,360		34,361		35,391		12,151		-		-		-		-		-		-		Adjustments										
28				Future Personnel Additions - Salary		-	Salaries		-		-		39,763		40,956		42,185		43,450		44,754		46,096		47,479		48,903		Adjustments										
29				Future Personnel Additions - Benefits		-	Benefits		-		-		14,282		14,711		15,152		15,607		16,075		16,557		17,054		17,565		Adjustments										
30	<b>Subtotal Administrative Duties WW</b>					\$	144,071		\$	147,376		\$	151,780		\$	156,351		\$	161,142		\$	166,063		\$	171,025		\$	176,023		\$	181,073								
31																																							
32	<b>Building Utilities - WW Fund</b>																																						
33	71.	60		Operations & Maintenance Budget		\$	156,066	General		\$	159,656		\$	163,328		\$	167,084		\$	170,927		\$	174,858		\$	178,836		\$	182,836										
34	71.	62	50	Supplies Fleet Maintenance & Supplies		-	General		-		-		-		-		-		-		-		-		-		-		-										
35	71.	66	10	Public Utility Services Natural Gas Services		-	General		-		-		-		-		-		-		-		-		-		-		-										
36	71.	66	20	Public Utility Services Electric Services		-	Electric		-		-		-		-		-		-		-		-		-		-		-										
37	71.	66	30	Public Utility Services Water Services		-	General		-		-		-		-		-		-		-		-		-		-		-										
38	71.	70		Capital Asset Purchase		-	Equipment Co		-		-		-		-		-		-		-		-		-		-		-										
39	<b>Subtotal Building Utilities - WW Fund</b>					\$	156,066		\$	159,656		\$	163,328		\$	167,084		\$	170,927		\$	174,858		\$	178,836		\$	182,836		\$	186,836								
40																																							
41	<b>WW Collection Inspection</b>																																						
42	71.	51	10	Personnel Services Full-Time Salaries		\$	44,497	Salaries		\$	45,832		\$	47,207		\$	48,623		\$	50,082		\$	51,584		\$	53,132		\$	54,726		\$	56,368		\$	58,059		\$	59,800	
43	71.	52	10	Premium Pay Shift Differential Full-time			16	Salaries			17			18			18			19			20			21			21			22			22				
44	71.	52	30	Premium Pay Full-time Overtime			477	Salaries			506			521			537			553			569			586			604			622			641				
45	71.	53	10	Employee Benefits Budget Federal Taxes			3,460	Benefits			3,564			3,671			3,781			3,894			4,011			4,131			4,255			4,383			4,515		4,650		
46	71.	53	20	Employee Benefits Budget Worker Compensation			1,593	Benefits			1,640			1,689			1,740			1,792			1,846			1,902			1,959			2,017			2,078		2,140		
47	71.	53	30	Employee Benefits Budget Retirement			7,140	Benefits			7,354			7,575			7,802			8,036			8,277			8,525			8,781			9,045			9,316		9,595		
48	71.	53	40	Employee Benefits Budget Health Insurance			10,163	Benefits			10,468			10,782			11,106			11,439			11,782			12,136			12,500			12,875			13,261		13,659		
49	71.	53	50	Employee Benefits Budget Uniform Allowance			241	Benefits			248			255			263			271			279			288			296			305			314		324		
50	71.	60		Operations & Maintenance Budget			14,000	General			14,322			14,651			14,988			15,333			15,686			16,078			16,480			16,892			17,314		17,747		
51	71.	62	10	Supplies Office Supplies			-	General			-			-			-			-			-			-			-			-		-		-			
52	71.	62	20	Supplies Tech/General Supplies			-	General			-			-			-			-			-			-			-			-		-		-			
53	71.	62	30	Supplies Small Tools			-	General			-			-			-			-			-			-			-			-		-		-			
54	71.	62	50	Supplies Fleet Maintenance & Supplies			-	Equip Fuel			-			-			-			-			-			-			-			-		-		-			
55	71.	62	60	Supplies Operational Maintenance & Repair			-	General			-			-			-			-			-			-			-			-		-		-			
56	71.	62	70	Supplies Computer, Hardware & Software			-	General			-			-			-			-			-			-			-			-		-		-			
57	71.	63	10	Outside Services Professional Services			-	General			-			-			-			-			-			-			-			-		-		-			
58	71.	63	30	Outside Services Non-Professional Services			-	General			-			-			-			-			-			-			-			-		-		-			
59	71.	65	30	Training, Travel & Meals Travel & Meals			-	General			-			-																									

City of Green River, Wyoming  
Water, Wastewater, Stormwater, and Municipal  
Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Water, Wastewater, and Stormwater Financial Forecast																												
Test Year Based on: <b>2016 Budget</b>																												
Line No.	Department	Account Code	Detailed Account Code	Account Name	Test Year	Inflation Factor	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Notes/ Source											
							FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026												
64																												
65	WW Collection Sewer Cleaning																											
66	71.	51	10	Personnel Services Full-Time Salaries	\$	50,932	\$	52,460	\$	54,034	\$	55,655	\$	57,324	\$	59,044	\$	60,815	\$	62,640	\$	64,519	\$	66,455	\$	68,448		
67	71.	52	10	Premium Pay Shift Differential Full-time		22		22		23		24		24		25		26		26		27		27		28		29
68	71.	52	30	Premium Pay Full-time Overtime		632		651		671		691		712		733		755		778		801		825		850		
69	71.	53	10	Employee Benefits Budget Federal Taxes		3,965		4,084		4,207		4,333		4,463		4,597		4,735		4,877		5,023		5,174		5,329		
70	71.	53	20	Employee Benefits Budget Worker Compensation		1,826		1,880		1,937		1,995		2,055		2,117		2,180		2,245		2,313		2,382		2,454		
71	71.	53	30	Employee Benefits Budget Retirement		8,185		8,431		8,684		8,944		9,212		9,489		9,773		10,067		10,369		10,680		11,000		
72	71.	53	40	Employee Benefits Budget Health Insurance		6,858		7,064		7,275		7,494		7,719		7,950		8,189		8,434		8,687		8,948		9,216		
73	71.	53	50	Employee Benefits Budget Uniform Allowance		231		236		242		247		253		259		265		272		278		285		293		
74	71.	60		Operations & Maintenance Budget		21,500		21,995		22,500		23,018		23,547		24,089		24,691		25,308		25,941		26,590		27,254		
75	71.	62	20	Supplies Tech/General Supplies		-		-		-		-		-		-		-		-		-		-		-		
76	71.	62	30	Supplies Small Tools		-		-		-		-		-		-		-		-		-		-		-		
77	71.	62	50	Supplies Fleet Maintenance & Supplies		-		-		-		-		-		-		-		-		-		-		-		
78	71.	62	60	Supplies Operational Maintenance & Repair		-		-		-		-		-		-		-		-		-		-		-		
79	71.	63	30	Outside Services Non-Professional Services		-		-		-		-		-		-		-		-		-		-		-		
80	71.	65	30	Training, Travel & Meals Travel & Meals		-		-		-		-		-		-		-		-		-		-		-		
81	71.	66	40	Public Utility Services Postage & Shipping		-		-		-		-		-		-		-		-		-		-		-		
82	Subtotal WW Collection Sewer Cleaning				\$	94,151	\$	96,823	\$	99,572	\$	102,400	\$	105,309	\$	108,302	\$	111,429	\$	114,647	\$	117,959	\$	121,366	\$	124,873		
83																												
84	Root Control Program																											
85	71.	51	10	Personnel Services Full-Time Salaries	\$	12,279	\$	12,561	\$	12,850	\$	13,146	\$	13,448	\$	13,757	\$	14,101	\$	14,454	\$	14,815	\$	15,185	\$	15,565		
86	71.	51	30	Personnel Services Seasonal Salaries		2,421		2,476		2,533		2,591		2,651		2,712		2,780		2,849		2,921		2,994		3,068		
87	71.	52	10	Premium Pay Shift Differential Full-time		5		5		5		5		6		6		6		6		6		6		6		
88	71.	52	30	Premium Pay Full-time Overtime		144		147		150		154		157		161		165		169		173		178		182		
89	71.	53	10	Employee Benefits Budget Federal Taxes		1,140		1,174		1,209		1,246		1,283		1,321		1,361		1,402		1,444		1,487		1,532		
90	71.	53	20	Employee Benefits Budget Worker Compensation		526		541		558		574		592		609		628		647		666		686		707		
91	71.	53	30	Employee Benefits Budget Retirement		1,973		2,032		2,093		2,156		2,220		2,287		2,355		2,426		2,499		2,574		2,651		
92	71.	53	40	Employee Benefits Budget Health Insurance		3,092		3,185		3,280		3,379		3,480		3,584		3,692		3,803		3,917		4,034		4,155		
93	71.	53	50	Employee Benefits Budget Uniform Allowance		62		64		65		67		68		70		71		73		75		77		79		
94	71.	60		Operations & Maintenance Budget		2,000		2,046		2,093		2,141		2,190		2,241		2,297		2,354		2,413		2,473		2,535		
95	71.	62	20	Supplies Tech/General Supplies		-		-		-		-		-		-		-		-		-		-		-		
96	71.	62	30	Supplies Small Tools		-		-		-		-		-		-		-		-		-		-		-		
97	71.	62	50	Supplies Fleet Maintenance & Supplies		-		-		-		-		-		-		-		-		-		-		-		
98	71.	62	60	Supplies Operational Maintenance & Repair		-		-		-		-		-		-		-		-		-		-		-		
99	71.	65	30	Training, Travel & Meals Travel & Meals		-		-		-		-		-		-		-		-		-		-		-		
100	Subtotal Root Control Program				\$	23,640	\$	24,231	\$	24,837	\$	25,458	\$	26,095	\$	26,749	\$	27,456	\$	28,183	\$	28,929	\$	29,695	\$	30,481		
101																												
102	Lab & Analysis & QA Program																											
103	71.	51	10	Personnel Services Full-Time Salaries	\$	33,933	\$	34,951	\$	35,999	\$	37,079	\$	38,191	\$	39,337	\$	40,517	\$	41,733	\$	42,985	\$	44,274	\$	45,603		
104	71.	52	10	Premium Pay Shift Differential Full-time		14		14		15		15		16		16		16		17		17		18		19		
105	71.	52	30	Premium Pay Full-time Overtime		402		426		439		452		466		480		494		509		524		540		540		
106	71.	53	10	Employee Benefits Budget Federal Taxes		2,640		2,719		2,801		2,885		2,971		3,060		3,152		3,247		3,344		3,445		3,548		
107	71.	53	20	Employee Benefits Budget Worker Compensation		1,216		1,253		1,290		1,329		1,369		1,410		1,452		1,496		1,540		1,587		1,634		
108	71.	53	30	Employee Benefits Budget Retirement		5,452		5,615		5,784		5,957		6,136		6,320		6,510		6,705		6,906		7,113		7,327		
109	71.	53	40	Employee Benefits Budget Health Insurance		9,158		9,433		9,716		10,007		10,307		10,617		10,935		11,263		11,601		11,949		12,308		
110	71.	53	50	Employee Benefits Budget Uniform Allowance		165		169		173		177		181		185		189		194		199		204		209		
111	71.	60		Operations & Maintenance Budget		7,000		7,161		7,326		7,494		7,667		7,843		8,039		8,240		8,446		8,657		8,874		
112	71.	62	10	Supplies Office Supplies		-		-		-		-		-		-		-		-		-		-		-		
113	71.	62	20	Supplies Tech/General Supplies		-		-		-		-		-		-		-		-		-		-		-		
114	71.	62	50	Supplies Fleet Maintenance & Supplies		-		-		-		-		-		-		-		-		-		-		-		
115	71.	62	60	Supplies Operational Maintenance & Repair		-		-		-		-		-		-		-		-		-		-		-		
116	71.	63	30	Outside Services Non-Professional Services		-		-		-		-		-		-		-		-		-		-		-		
117	71.	65	30	Training, Travel & Meals Travel & Meals		-		-		-		-		-		-		-		-		-		-		-		
118	71.	66	40	Public Utility Services Postage & Shipping		-		-		-		-		-		-		-		-		-		-		-		
119	Subtotal Lab & Analysis & QA Program				\$	59,979	\$	61,728	\$	63,529	\$	65,382	\$	67,290	\$	69,254	\$	71,291	\$	73,389	\$	75,548	\$	77,771	\$	80,060		
120																												
121	Maintenance Sewer/ Lift Station																											
122	71.	51	10	Personnel Services Full-Time Salaries	\$	26,840	\$	27,645	\$	28,474	\$	29,328	\$	30,208	\$	31,114	\$	32,048	\$	33,009	\$	34,000	\$	35,020	\$	36,070		
123	71.	51	30	Personnel Services Seasonal Salaries		2,421		2,493		2,568		2,645		2,724		2,806		2,890		2,977								

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Water, Wastewater, and Stormwater Financial Forecast																	
Test Year Based on: <b>2016 Budget</b>																	
Line No.	Department	Account Code	Detailed Account Code	Account Name	Test Year	Inflation Factor	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Notes/ Source
							FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	
128	71.	53	30	Employee Benefits Budget Retirement	4,310	Benefits	4,439	4,573	4,710	4,851	4,996	5,146	5,301	5,460	5,624	5,792	
129	71.	53	40	Employee Benefits Budget Health Insurance	6,564	Benefits	6,761	6,964	7,173	7,388	7,610	7,838	8,073	8,315	8,565	8,822	
130	71.	53	50	Employee Benefits Budget Uniform Allowance	134	General	137	141	144	147	150	154	158	162	166	170	
131	71.	60		Operations & Maintenance Budget	8,000	General	8,184	8,372	8,565	8,762	8,963	9,187	9,417	9,652	9,894	10,141	
132	71.	62	20	Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
133	71.	62	30	Supplies Small Tools	-	General	-	-	-	-	-	-	-	-	-	-	
134	71.	62	50	Supplies Fleet Maintenance & Supplies	-	Equip Fuel	-	-	-	-	-	-	-	-	-	-	
135	71.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-	
136	71.	63	20	Outside Services Advertising	-	General	-	-	-	-	-	-	-	-	-	-	
137	71.	63	30	Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-	
138	71.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-	
139	71.	66	40	Public Utility Services Postage & Shipping	-	General	-	-	-	-	-	-	-	-	-	-	
140	71.	66	60	Public Utility Services Telephone & T.V. Charges	-	General	-	-	-	-	-	-	-	-	-	-	
141	<b>Subtotal Maintenance Sewer/ Lift Station</b>				\$ 51,905		\$ 53,405	\$ 54,949	\$ 56,538	\$ 58,173	\$ 59,856	\$ 61,606	\$ 63,407	\$ 65,262	\$ 67,170	\$ 69,135	
142																	
143	<b>Preventative Maintenance Program</b>																
144	71.	51	10	Personnel Services Full-Time Salaries	63,433	Salaries	65,336	67,296	69,315	71,395	73,537	75,743	78,015	80,355	82,766	85,249	
145	71.	51	20	Personnel Services Part-time Salaries	-	Salaries	-	-	-	-	-	-	-	-	-	-	
146	71.	51	30	Personnel Services Seasonal Salaries	8,713	Salaries	8,974	9,243	9,520	9,806	10,100	10,403	10,715	11,037	11,368	11,709	
147	71.	52	10	Premium Pay Shift Differential Full-time	25	Salaries	26	27	28	29	30	30	31	32	33	34	
148	71.	52	30	Premium Pay Full-time Overtime	744	Salaries	767	790	813	838	863	889	915	943	971	1,000	
149	71.	53	10	Employee Benefits Budget Federal Taxes	5,603	Benefits	5,771	5,944	6,122	6,306	6,495	6,690	6,891	7,097	7,310	7,530	
150	71.	53	20	Employee Benefits Budget Worker Compensation	2,581	Benefits	2,658	2,738	2,820	2,905	2,992	3,082	3,174	3,270	3,368	3,469	
151	71.	53	30	Employee Benefits Budget Retirement	10,189	Benefits	10,495	10,809	11,134	11,468	11,812	12,166	12,531	12,907	13,294	13,693	
152	71.	53	40	Employee Benefits Budget Health Insurance	13,509	Benefits	13,914	14,332	14,761	15,204	15,660	16,130	16,614	17,113	17,625	18,155	
153	71.	53	50	Employee Benefits Budget Uniform Allowance	306	Benefits	315	325	334	344	355	365	376	388	399	411	
154	71.	60		Operations & Maintenance Budget	52,800	General	54,014	55,257	56,528	57,828	59,158	60,537	62,153	63,706	65,299	66,932	
155	71.	62	10	Supplies Office Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
156	71.	62	20	Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
157	71.	62	30	Supplies Small Tools	-	General	-	-	-	-	-	-	-	-	-	-	
158	71.	62	50	Supplies Fleet Maintenance & Supplies	-	Equip Fuel	-	-	-	-	-	-	-	-	-	-	
159	71.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-	
160	71.	63	10	Outside Services Professional Services	-	General	-	-	-	-	-	-	-	-	-	-	
161	71.	63	30	Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-	
162	71.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-	
163	71.	66	40	Public Utility Services Postage & Shipping	-	General	-	-	-	-	-	-	-	-	-	-	
164	71.	68	10	Other Services & Charges Subscriptions, Memberships, Dues	-	General	-	-	-	-	-	-	-	-	-	-	
165	71.	70		Capital Asset Purchase	-	Equipment Co	-	-	-	-	-	-	-	-	-	-	
166	<b>Subtotal Preventative Maintenance Program</b>				\$ 157,903		\$ 162,271	\$ 166,761	\$ 171,377	\$ 176,122	\$ 181,001	\$ 186,135	\$ 191,416	\$ 196,848	\$ 202,435	\$ 208,181	
167																	
168	<b>Project Design &amp; Const Eng WW/F</b>																
169	71.	51	10	Personnel Services Full-Time Salaries	32,368	Salaries	33,339	34,340	35,370	36,431	37,524	38,650	39,809	41,003	42,233	43,500	
170	71.	52	30	Premium Pay Full-time Overtime	724	Salaries	746	768	792	815	840	865	891	918	945	973	
171	71.	53	10	Employee Benefits Budget Federal Taxes	2,542	Benefits	2,618	2,696	2,777	2,860	2,946	3,035	3,126	3,220	3,316	3,416	
172	71.	53	20	Employee Benefits Budget Worker Compensation	1,171	Benefits	1,206	1,243	1,280	1,318	1,358	1,399	1,441	1,484	1,528	1,574	
173	71.	53	50	Employee Benefits Budget Retirement	5,252	Benefits	5,409	5,572	5,739	5,911	6,088	6,271	6,459	6,653	6,852	7,058	
174	71.	53	40	Employee Benefits Budget Health Insurance	7,165	Benefits	7,380	7,602	7,830	8,065	8,306	8,556	8,812	9,077	9,349	9,629	
175	71.	53	50	Employee Benefits Budget Uniform Allowance	138	General	141	144	147	151	154	158	162	166	170	174	
176	71.	62	10	Supplies Office Supplies	1,000	General	1,023	1,047	1,071	1,095	1,120	1,148	1,177	1,207	1,237	1,268	
177	71.	66	40	Public Utility Services Postage & Shipping	-	General	-	-	-	-	-	-	-	-	-	-	
178	<b>Subtotal Project Design &amp; Const Eng WW/F</b>				\$ 50,360		\$ 51,863	\$ 53,411	\$ 55,005	\$ 56,646	\$ 58,337	\$ 60,081	\$ 61,877	\$ 63,726	\$ 65,631	\$ 67,593	
179																	
180	<b>Travel/Training Formula WW Fund</b>																
181	71.	52	10	Personnel Services Full-Time Salaries	9,231	Salaries	9,508	9,793	10,087	10,390	10,701	11,022	11,353	11,694	12,044	12,406	
182	71.	52	10	Premium Pay Shift Differential Full-time	3	Salaries	3	3	3	3	3	3	4	4	4	4	
183	71.	52	30	Premium Pay Full-time Overtime	77	Salaries	79	81	84	86	89	92	94	97	100	103	
184	71.	53	10	Employee Benefits Budget Federal Taxes	716	Benefits	737	760	782	806	830	855	880	907	934	962	
185	71.	53	20	Employee Benefits Budget Worker Compensation	330	Benefits	340	350	360	371	382	394	405	418	430	443	
186	71.	53	30	Employee Benefits Budget Retirement	1,478	Benefits	1,522	1,568	1,615	1,663	1,713	1,765	1,818	1,872	1,928	1,986	
187	71.	53	40	Employee Benefits Budget Health Insurance	1,916	Benefits	1,973	2,033	2,094	2,156	2,221	2,288	2,356	2,427	2,500	2,575	
188	71.	53	50	Employee Benefits Budget Uniform Allowance	45	Benefits	46	48	49	51	52	54	55	57	59	60	

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Water, Wastewater, and Stormwater Financial Forecast				CITY OF GREEN RIVER														
				Test Year Based on: 2016 Budget														
Line No.	Department	Account Code	Detailed Account Code	Account Name	Test Year	Inflation Factor	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Notes/ Source	
							FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		
189	71.	60		Operations & Maintenance Budget	8,183	General	8,371	8,564	8,761	8,962	9,168	9,398	9,632	9,873	10,120	10,373		
190	71.	62		50 Supplies Fleet Maintenance & Supplies	-	Equip Fuel	-	-	-	-	-	-	-	-	-	-		
191	71.	62		20 Training, Travel & Meals Training - Employees	-	General	-	-	-	-	-	-	-	-	-	-		
192	71.	62		30 Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-		
193	<b>Subtotal Travel/Training Formula WW Fund</b>				\$ 21,978		\$ 22,580	\$ 23,199	\$ 23,835	\$ 24,489	\$ 25,161	\$ 25,870	\$ 26,599	\$ 27,348	\$ 28,120	\$ 28,912		
194																		
195	<b>Collection Service Request</b>																	
196	70.	63		20 Outside Services Advertising	-	General	-	-	-	-	-	-	-	-	-	-		
197	70.	63		30 Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-		
198	70.	65		30 Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-		
199	70.	68		10 Other Services & Charges Subscriptions, Memberships, Dues	-	General	-	-	-	-	-	-	-	-	-	-		
200	70.	70		Capital Asset Purchase	-	Equipment Cc	-	-	-	-	-	-	-	-	-	-		
201	<b>Subtotal Collection Service Request</b>				\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
202																		
203	<b>Wastewater Transfers</b>																	
204	71.			9900 Transfers Out To General Fund	276,270	General	282,624	289,125	295,774	302,577	309,537	317,275	325,207	333,337	341,670	350,212		
205	71.			9940 Pay-As-You-Go (PAYG)	-	General	-	-	-	-	-	-	-	-	-	-	CIP	
206	71.			9950 Transfers Out To Risk Management Fund	11,000	Salaries	11,330	11,670	12,020	12,381	12,752	13,135	13,529	13,934	14,353	14,783		
207				Transfer Out To Rolling Stock Vehicle Replacement	-	Equipment Cc	-	46,900	47,838	48,795	49,771	50,766	51,781	52,817	53,873	54,951	Rolling Stock	
208				Transfer Out To Unrestricted Reserve	-	None	-	50,000	100,000	100,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	A
209	<b>Subtotal Wastewater Transfers</b>				\$ 287,270		\$ 293,954	\$ 397,694	\$ 455,632	\$ 463,753	\$ 497,059	\$ 506,176	\$ 515,517	\$ 525,088	\$ 534,896	\$ 544,946		
210																		
211	<b>Debt</b>				\$ 353,919	None	\$ 94,538	\$ 171,515	\$ 171,515	\$ 418,764	\$ 913,263	\$ 1,160,512	\$ 1,160,512	\$ 1,160,512	\$ 1,160,512	\$ 1,160,512	\$ 1,160,512	Debt
212																		
213	<b>Total Wastewater Expenses</b>				\$ 1,482,829		\$ 1,252,361	\$ 1,456,928	\$ 1,593,429	\$ 1,851,323	\$ 2,393,465	\$ 2,677,708	\$ 2,715,723	\$ 2,754,788	\$ 2,794,930	\$ 2,836,182		
214																		
215	<b>Wastewater Revenues</b>																	
216	71.			4410 Charges for Services Rendered	-	None	-	-	-	-	-	-	-	-	-	-		
217	71.			4440 Specialized Service Fees	-	None	-	-	-	-	-	-	-	-	-	-		
218	71.			4610 Miscellaneous	(100)	None	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)		
219	71.			4461 Interest Income	(2,400)	None	(2,400)	(2,400)	(2,400)	(2,400)	(2,400)	(2,400)	(2,400)	(2,400)	(2,400)	(2,400)		
220	<b>Total Wastewater Revenues</b>				\$ (2,500)		\$ (2,500)	\$ (2,500)	\$ (2,500)	\$ (2,500)	\$ (2,500)	\$ (2,500)	\$ (2,500)	\$ (2,500)	\$ (2,500)	\$ (2,500)		
221																		
222	<b>Wastewater Revenue Requirement</b>				\$ 1,480,329		\$ 1,249,861	\$ 1,454,428	\$ 1,590,929	\$ 1,848,823	\$ 2,390,965	\$ 2,675,208	\$ 2,713,223	\$ 2,752,288	\$ 2,792,430	\$ 2,833,682		
223																		
224	<b>Wastewater Forecasted Rate Revenue</b>						\$ 1,407,487	\$ 1,590,519	\$ 1,815,057	\$ 2,016,487	\$ 2,229,006	\$ 2,443,599	\$ 2,700,055	\$ 2,863,195	\$ 2,877,511	\$ 2,891,898		
225	<b>Wastewater Over/(Under) Recovery</b>						\$ 157,626	\$ 136,091	\$ 224,128	\$ 167,664	\$ (161,959)	\$ (231,609)	\$ (13,168)	\$ 110,907	\$ 85,080	\$ 58,217		
226	<b>Cumulative Over/(Under) Recovery</b>						\$ 157,626	\$ 293,717	\$ 517,845	\$ 685,509	\$ 523,550	\$ 291,941	\$ 278,773	\$ 389,680	\$ 474,761	\$ 532,977		
227																		
228																		
229	<b>Water Expenses</b>																	
230	<b>Meter Reading</b>																	
231	72.	51		10 Personnel Services Full-Time Salaries	33,037	Salaries	34,028	35,049	36,101	37,184	38,299	39,448	40,632	41,850	43,106	44,399		
232	72.	51		20 Personnel Services Part-Time Salaries	16,037	Salaries	16,518	17,014	17,524	18,050	18,592	19,149	19,724	20,316	20,925	21,553		
233	72.	52		30 Premium Pay Full-time Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-		
234	72.	53		10 Employee Benefits Budget Federal Taxes	3,778	Benefits	3,892	4,009	4,129	4,253	4,380	4,512	4,647	4,786	4,930	5,078		
235	72.	53		20 Employee Benefits Budget Worker Compensation	1,737	Benefits	1,789	1,843	1,898	1,955	2,014	2,074	2,137	2,201	2,267	2,335		
236	72.	53		30 Employee Benefits Budget Retirement	5,243	Benefits	5,400	5,562	5,729	5,901	6,078	6,261	6,448	6,642	6,841	7,046		
237	72.	53		40 Employee Benefits Budget Health Insurance	18,701	Benefits	19,262	19,840	20,435	21,048	21,680	22,330	23,000	23,690	24,401	25,133		
238	72.	53		50 Employee Benefits Budget Uniform Allowance	315	General	322	330	337	345	353	362	371	380	390	399		
239	72.	60		Operations & Maintenance Budget	4,000	General	4,092	4,186	4,282	4,381	4,482	4,594	4,709	4,826	4,947	5,071		
240	72.	62		10 Supplies Office Supplies	-	General	-	-	-	-	-	-	-	-	-	-		
241	72.	62		20 Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-		
242	72.	62		50 Supplies Fleet Maintenance & Supplies	-	Equipment Cc	-	-	-	-	-	-	-	-	-	-		
243	72.	62		60 Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-		
244	72.	63		30 Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-		
245	72.	63		40 Public Utility Services Postage & Shipping	-	General	-	-	-	-	-	-	-	-	-	-		
246				Compensated Adjustment	20,060	Salaries	20,060	20,662	21,282	7,307	-	-	-	-	-	-		
247	<b>Subtotal Meter Reading</b>				\$ 102,910		\$ 105,365	\$ 108,495	\$ 111,718	\$ 100,424	\$ 95,878	\$ 98,730	\$ 101,667	\$ 104,692	\$ 107,806	\$ 111,014		

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
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City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Water, Wastewater, and Stormwater Financial Forecast																	
Test Year Based on: <b>2016 Budget</b>																	
Line No.	Department	Account Code	Detailed Account Code	Account Name	Test Year	Inflation Factor	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Notes/ Source
							FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	
248																	
249	<b>Administrative Duties Water Fund</b>																
250	72.	51	10	Personnel Services Full-Time Salaries	\$ 49,942	Salaries	\$ 51,440	\$ 52,983	\$ 54,573	\$ 56,210	\$ 57,896	\$ 59,633	\$ 61,422	\$ 63,265	\$ 65,163	\$ 67,117	
251	72.	51	20	Personnel Services Part-Time Salaries	1,347	Salaries	1,387	1,429	1,472	1,516	1,562	1,608	1,657	1,706	1,758	1,810	
252	72.	52	10	Premium Pay Shift Differential Full-time	15	Salaries	15	15	16	16	17	17	18	18	19	20	
253	72.	52	30	Premium Pay Full-time Overtime	406	Salaries	418	431	444	457	471	485	499	514	530	546	
254	72.	53	10	Employee Benefits Budget Federal Taxes	3,977	Benefits	4,097	4,219	4,346	4,476	4,611	4,749	4,891	5,038	5,189	5,345	
255	72.	53	20	Employee Benefits Budget Worker Compensation	1,831	Benefits	1,886	1,943	2,001	2,061	2,123	2,186	2,252	2,320	2,389	2,461	
256	72.	53	30	Employee Benefits Budget Retirement	7,993	Benefits	8,232	8,479	8,734	8,996	9,266	9,544	9,830	10,125	10,429	10,741	
257	72.	53	40	Employee Benefits Budget Health Insurance	12,629	Benefits	13,007	13,398	13,800	14,214	14,640	15,079	15,531	15,997	16,477	16,972	
258	72.	53	50	Employee Benefits Budget Uniform Allowance	275	Benefits	283	292	300	310	319	328	338	348	359	370	
259	72.	60		Operations & Maintenance Budget	2,000	General	2,046	2,093	2,141	2,190	2,241	2,297	2,354	2,413	2,473	2,535	
260	72.	62	10	Supplies Office Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
261	72.	62	20	Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
262	72.	62	50	Supplies Fleet Maintenance & Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
263	72.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-	
264	72.	63	30	Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-	
265	72.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-	
266	72.	66	40	Public Utility Services Postage & Shipping	-	General	-	-	-	-	-	-	-	-	-	-	
267	72.	66	60	Public Utility Services Telephone & T.V. Charges	-	General	-	-	-	-	-	-	-	-	-	-	
268	72.	68	10	Other Services & Charges Subscriptions, Memberships, Dues	-	General	-	-	-	-	-	-	-	-	-	-	
269	72.	68	20	Other Services & Charges City Purchased Uniforms	84	General	86	88	90	92	94	96	99	101	104	106	
270	72.	69	20	Depreciation	-	None	-	-	-	-	-	-	-	-	-	-	
271	72.	70		Capital Asset Purchase	-	Equipment Cc	-	-	-	-	-	-	-	-	-	-	
272	<b>Subtotal Administrative Duties Water Fund</b>																
273					\$ 80,498		\$ 82,898	\$ 85,370	\$ 87,916	\$ 90,538	\$ 93,238	\$ 96,023	\$ 98,892	\$ 101,846	\$ 104,889	\$ 108,023	
274	<b>Building Utilities - Water Fund</b>																
275	72.	60		Operations & Maintenance Budget	82,876	General	84,782	86,732	88,727	90,768	92,855	95,177	97,556	99,995	102,495	105,057	
276	72.	62	50	Supplies Fleet Maintenance & Supplies	-	Equip Fuel	-	-	-	-	-	-	-	-	-	-	
277	72.	66	10	Public Utility Services Natural Gas Services	-	General	-	-	-	-	-	-	-	-	-	-	
278	72.	66	20	Public Utility Services Electric Services	-	Electric	-	-	-	-	-	-	-	-	-	-	
279	72.	66	30	Public Utility Services Water Services	-	General	-	-	-	-	-	-	-	-	-	-	
280	72.	70		Capital Asset Purchase	-	Equipment Cc	-	-	-	-	-	-	-	-	-	-	
281	<b>Subtotal Building Utilities - Water Fund</b>																
282					\$ 82,876		\$ 84,782	\$ 86,732	\$ 88,727	\$ 90,768	\$ 92,855	\$ 95,177	\$ 97,556	\$ 99,995	\$ 102,495	\$ 105,057	
283	<b>Curb Stop Program</b>																
284	72.	51	10	Personnel Services Full-Time Salaries	18,853	Salaries	19,418	20,001	20,601	21,219	21,856	22,511	23,187	23,882	24,599	25,337	
285	72.	52	10	Premium Pay Shift Differential Full-time	8	Salaries	8	8	9	9	9	9	10	10	10	10	
286	72.	52	30	Premium Pay Full-time Overtime	232	Salaries	239	246	254	261	269	277	286	294	303	312	
287	72.	53	10	Employee Benefits Budget Federal Taxes	1,468	Benefits	1,512	1,557	1,604	1,652	1,702	1,753	1,805	1,859	1,915	1,973	
288	72.	53	20	Employee Benefits Budget Worker Compensation	676	Benefits	696	717	738	761	783	807	831	856	882	908	
289	72.	53	30	Employee Benefits Budget Retirement	3,031	Benefits	3,121	3,215	3,312	3,411	3,513	3,619	3,727	3,839	3,954	4,073	
290	72.	53	40	Employee Benefits Budget Health Insurance	4,317	Benefits	4,446	4,580	4,717	4,859	5,004	5,155	5,309	5,469	5,633	5,802	
291	72.	53	50	Employee Benefits Budget Uniform Allowance	96	General	99	101	103	106	108	111	114	116	119	122	
292	72.	60		Operations & Maintenance Budget	8,460	General	8,655	8,854	9,057	9,266	9,479	9,716	9,959	10,208	10,463	10,724	
293	72.	62	30	Supplies Small Tools	-	General	-	-	-	-	-	-	-	-	-	-	
294	72.	62	50	Supplies Fleet Maintenance & Supplies	-	Equip Fuel	-	-	-	-	-	-	-	-	-	-	
295	72.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-	
296	72.	63	30	Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-	
297	72.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-	
298	72.	68	10	Other Services & Charges Subscriptions, Memberships, Dues	-	General	-	-	-	-	-	-	-	-	-	-	
299	<b>Subtotal Curb Stop Program</b>																
300					\$ 37,140		\$ 38,195	\$ 39,279	\$ 40,395	\$ 41,543	\$ 42,723	\$ 43,957	\$ 45,227	\$ 46,533	\$ 47,877	\$ 49,261	
301	<b>Water Distribution Maintenance</b>																
302	72.	51	10	Personnel Services Full-Time Salaries	73,704	Salaries	75,915	78,192	80,538	82,954	85,443	88,006	90,646	93,366	96,167	99,052	
303	72.	51	20	Personnel Services Part-Time Salaries	-	Salaries	-	-	-	-	-	-	-	-	-	-	
304	72.	51	30	Personnel Services Seasonal Salaries	17,425	Salaries	17,948	18,486	19,041	19,612	20,201	20,807	21,431	22,074	22,736	23,418	
305	72.	52	10	Premium Pay Shift Differential Full-time	27	Salaries	27	28	29	30	31	32	33	34	35	36	
306	72.	52	30	Premium Pay Full-time Overtime	770	Salaries	793	816	841	866	892	919	947	975	1,004	1,034	
307	72.	53	10	Employee Benefits Budget Federal Taxes	7,064	Benefits	7,276	7,494	7,719	7,951	8,189	8,435	8,688	8,949	9,217	9,494	
308	72.	53	20	Employee Benefits Budget Worker Compensation	3,255	Benefits	3,353	3,454	3,557	3,664	3,774	3,887	4,004	4,124	4,248	4,375	
309	72.	53	30	Employee Benefits Budget Retirement	11,823	Benefits	12,178	12,543	12,920	13,307	13,706	14,118	14,541	14,977	15,427	15,889	
310	72.	53	40	Employee Benefits Budget Health Insurance	17,793	Benefits	18,327	18,877	19,443	20,026	20,627	21,246	21,883	22,540	23,216	23,912	

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Water, Wastewater, and Stormwater Financial Forecast																											
Test Year Based on: <b>2016 Budget</b>																											
Line No.	Department	Account Code	Detailed Account Code	Account Name	Test Year	Inflation Factor	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Notes/ Source										
							FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026											
311	72.	53	50	Employee Benefits Budget Uniform Allowance	406	General	415	425	434	444	455	466	478	489	502	514											
312	72.	60		Operations & Maintenance Budget	90,000	General	92,070	94,188	96,354	98,570	100,837	103,358	105,942	108,591	111,305	114,088											
313	72.	62	10	Supplies Office Supplies	-	General	-	-	-	-	-	-	-	-	-	-											
314	72.	62	20	Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-											
315	72.	62	30	Supplies Small Tools	-	General	-	-	-	-	-	-	-	-	-	-											
316	72.	62	40	Supplies Internal Incentives Program	-	General	-	-	-	-	-	-	-	-	-	-											
317	72.	62	50	Supplies Fleet Maintenance & Supplies	-	Equip Fuel	-	-	-	-	-	-	-	-	-	-											
318	72.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-											
319	72.	62	70	Supplies Computer, Hardware & Software	-	General	-	-	-	-	-	-	-	-	-	-											
320	72.	63	10	Outside Services Professional Services	-	General	-	-	-	-	-	-	-	-	-	-											
321	72.	63	20	Outside Services Advertising	-	General	-	-	-	-	-	-	-	-	-	-											
322	72.	63	30	Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-											
323	72.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-											
324	72.	66	40	Public Utility Services Postage & Shipping	-	General	-	-	-	-	-	-	-	-	-	-											
325	72.	68	10	Other Services & Charges Subscriptions, Memberships, Dues	-	General	-	-	-	-	-	-	-	-	-	-											
326	72.	70		Capital Asset Purchase	-	Equipment Cc	-	-	-	-	-	-	-	-	-	-											
327	<b>Subtotal Water Distribution Maintenance</b>				\$	222,267	\$	228,302	\$	234,503	\$	240,876	\$	247,425	\$	254,155	\$	261,273	\$	268,592	\$	276,118	\$	283,856	\$	291,812	
328																											
329	<b>Water System Inspection</b>																										
330	72.	51	10	Personnel Services Full-Time Salaries	\$	25,959	Salaries	\$	26,738	\$	27,540	\$	28,366	\$	29,217	\$	30,094	\$	30,996	\$	31,926	\$	32,884	\$	33,871	\$	34,887
331	72.	52	10	Premium Pay Shift Differential Full-time	9	Salaries	10	10	10	11	11	11	12	12	12	13											
332	72.	52	30	Premium Pay Full-time Overtime	283	Salaries	291	300	309	318	328	337	348	358	369	380											
333	72.	53	10	Employee Benefits Budget Federal Taxes	2,019	Benefits	2,080	2,142	2,207	2,273	2,341	2,411	2,484	2,558	2,635	2,714											
334	72.	53	20	Employee Benefits Budget Worker Compensation	929	Benefits	957	986	1,015	1,046	1,077	1,110	1,143	1,177	1,212	1,249											
335	72.	53	30	Employee Benefits Budget Retirement	4,166	Benefits	4,291	4,420	4,553	4,689	4,830	4,975	5,124	5,278	5,436	5,599											
336	72.	53	40	Employee Benefits Budget Health Insurance	6,196	Benefits	6,382	6,574	6,771	6,974	7,183	7,399	7,621	7,849	8,085	8,327											
337	72.	53	50	Employee Benefits Budget Uniform Allowance	148	General	151	155	158	162	166	170	174	179	183	188											
338	72.	60		Operations & Maintenance Budget	29,000	General	29,667	30,349	31,047	31,761	32,492	33,304	34,137	34,990	35,865	36,762											
339	72.	62	10	Supplies Office Supplies	-	General	-	-	-	-	-	-	-	-	-	-											
340	72.	62	20	Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-											
341	72.	62	20	Supplies Small Tools	-	General	-	-	-	-	-	-	-	-	-	-											
342	72.	62	50	Supplies Fleet Maintenance & Supplies	-	Equip Fuel	-	-	-	-	-	-	-	-	-	-											
343	72.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-											
344	72.	62	70	Supplies Computer, Hardware & Software	-	General	-	-	-	-	-	-	-	-	-	-											
345	72.	63	20	Outside Services Advertising	-	General	-	-	-	-	-	-	-	-	-	-											
346	72.	63	30	Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-											
347	72.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-											
348	72.	66	40	Public Utility Services Postage & Shipping	-	General	-	-	-	-	-	-	-	-	-	-											
349	72.	68	10	Other Services & Charges Subscriptions, Memberships, Dues	-	General	-	-	-	-	-	-	-	-	-	-											
350	72.	70		Capital Asset Purchase	-	Equipment Cc	-	-	-	-	-	-	-	-	-	-											
351	<b>Subtotal Water System Inspection</b>				\$	68,710	\$	70,567	\$	72,476	\$	74,436	\$	76,451	\$	78,521	\$	80,714	\$	82,968	\$	85,285	\$	87,668	\$	90,118	
352																											
353	<b>Remote Meter/Work Order Program</b>																										
354	72.	51	10	Personnel Services Full-Time Salaries	\$	35,141	Salaries	\$	36,195	\$	37,281	\$	38,400	\$	39,552	\$	40,738	\$	41,960	\$	43,219	\$	44,516	\$	45,851	\$	47,227
355	72.	52	10	Premium Pay Shift Differential Full-time	16	Salaries	17	17	18	18	19	19	20	20	21	22											
356	72.	52	30	Premium Pay Full-time Overtime	451	Salaries	465	479	493	508	523	539	555	572	589	607											
357	72.	53	10	Employee Benefits Budget Federal Taxes	2,740	Benefits	2,822	2,907	2,994	3,084	3,176	3,272	3,370	3,471	3,575	3,682											
358	72.	53	20	Employee Benefits Budget Worker Compensation	1,260	Benefits	1,298	1,337	1,377	1,418	1,461	1,505	1,550	1,596	1,644	1,694											
359	72.	53	30	Employee Benefits Budget Retirement	5,651	Benefits	5,821	5,995	6,175	6,360	6,551	6,748	6,950	7,159	7,373	7,595											
360	72.	53	40	Employee Benefits Budget Health Insurance	8,045	Benefits	8,286	8,535	8,791	9,055	9,326	9,606	9,894	10,191	10,497	10,812											
361	72.	53	50	Employee Benefits Budget Uniform Allowance	207	General	211	216	221	226	232	237	243	249	256	262											
362	72.	60		Operations & Maintenance Budget	32,473	General	33,220	33,984	34,766	35,565	36,383	37,293	38,225	39,181	40,160	41,164											
363	72.	62	10	Supplies Office Supplies	-	General	-	-	-	-	-	-	-	-	-	-											
364	72.	62	20	Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-											
365	72.	62	20	Supplies Small Tools	-	General	-	-	-	-	-	-	-	-	-	-											
366	72.	62	50	Supplies Fleet Maintenance & Supplies	-	Equip Fuel	-	-	-	-	-	-	-	-	-	-											
367	72.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-											
368	72.	62	70	Supplies Computer, Hardware & Software	-	General	-	-	-	-	-	-	-	-	-	-											
369	72.	63	20	Outside Services Advertising	-	General	-	-	-	-	-	-	-	-	-	-											
370	72.	63	30	Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-											
371	72.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-											
372	<b>Subtotal Remote Meter/Work Order Program</b>				\$	85,984	\$	88,335	\$	90,751	\$	93,234	\$	95,787	\$	98,410	\$	101,179	\$	104,027	\$	106,955	\$	109,966	\$	113,063	
373																											

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Water, Wastewater, and Stormwater Financial Forecast																											
Test Year Based on: <b>2016 Budget</b>																											
Line No.	Department	Account Code	Detailed Account Code	Account Name	Test Year	Inflation Factor	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Notes/ Source										
							FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026											
374	<b>Project Design &amp; Const Eng W/F</b>																										
375	72.	51	10	Personnel Services Full-Time Salaries	\$	39,084	Salaries	\$	40,256	\$	41,464	\$	42,708	\$	43,989	\$	45,309	\$	46,668	\$	48,068	\$	49,510	\$	50,995	\$	52,525
376	72.	52	30	Premium Pay Full-time Overtime		1,086	Salaries		1,119		1,152		1,187		1,223		1,259		1,297		1,336		1,376		1,417		1,460
377	72.	53	10	Employee Benefits Budget Federal Taxes		3,086	Benefits		3,179		3,274		3,372		3,473		3,577		3,685		3,795		3,909		4,026		4,147
378	72.	53	20	Employee Benefits Budget Worker Compensation		1,422	Benefits		1,465		1,509		1,554		1,600		1,648		1,698		1,749		1,801		1,855		1,911
379	72.	53	30	Employee Benefits Budget Retirement		6,375	Benefits		6,566		6,763		6,966		7,175		7,390		7,612		7,840		8,076		8,318		8,567
380	72.	53	40	Employee Benefits Budget Health Insurance		8,708	Benefits		8,969		9,238		9,516		9,801		10,095		10,398		10,710		11,031		11,362		11,703
381	72.	53	50	Employee Benefits Budget Uniform Allowance		171	General		175		179		184		188		192		197		202		207		212		217
382	72.	60		Operations & Maintenance Budget		1,700	General		1,739		1,779		1,820		1,862		1,905		1,952		2,001		2,051		2,102		2,155
383	72.	66	40	Public Utility Services Postage & Shipping		-	General		-		-		-		-		-		-		-		-		-		-
384	<b>Subtotal Project Design &amp; Const Eng W/F</b>																										
385					\$	61,632		\$	63,468	\$	65,359	\$	67,306	\$	69,311	\$	71,376	\$	73,507	\$	75,701	\$	77,961	\$	80,289	\$	82,686
386	<b>Pump Station Maintenance Program</b>																										
387	72.	51	10	Personnel Services Full-Time Salaries	\$	20,474	Salaries	\$	21,088	\$	21,721	\$	22,373	\$	23,044	\$	23,735	\$	24,447	\$	25,181	\$	25,936	\$	26,714	\$	27,516
388	72.	52	10	Premium Pay Shift Differential Full-time		8	Salaries		8		8		9		9		9		9		10		10		10		10
389	72.	52	30	Premium Pay Full-time Overtime		221	Salaries		227		234		241		248		256		264		271		280		288		297
390	72.	53	10	Employee Benefits Budget Federal Taxes		1,592	Benefits		1,639		1,689		1,739		1,791		1,845		1,901		1,958		2,016		2,077		2,139
391	72.	53	20	Employee Benefits Budget Worker Compensation		733	Benefits		755		778		801		825		850		875		901		928		956		985
392	72.	53	30	Employee Benefits Budget Retirement		3,286	Benefits		3,384		3,486		3,590		3,698		3,809		3,923		4,041		4,162		4,287		4,416
393	72.	53	40	Employee Benefits Budget Health Insurance		4,455	Benefits		4,589		4,727		4,869		5,015		5,165		5,320		5,480		5,644		5,813		5,988
394	72.	53	50	Employee Benefits Budget Uniform Allowance		103	General		106		108		111		113		116		119		122		125		128		131
395	72.	60		Operations & Maintenance Budget		35,000	General		35,805		36,629		37,471		38,333		39,214		40,195		41,200		42,230		43,285		44,368
396	72.	62	10	Supplies Office Supplies		-	General		-		-		-		-		-		-		-		-		-		-
397	72.	62	20	Supplies Tech/General Supplies		-	General		-		-		-		-		-		-		-		-		-		-
398	72.	62	30	Supplies Small Tools		-	General		-		-		-		-		-		-		-		-		-		-
399	72.	62	50	Supplies Fleet Maintenance & Supplies		-	Equip Fuel		-		-		-		-		-		-		-		-		-		-
400	72.	62	60	Supplies Operational Maintenance & Repair		-	General		-		-		-		-		-		-		-		-		-		-
401	72.	63	30	Outside Services Non-Professional Services		-	General		-		-		-		-		-		-		-		-		-		-
402	72.	65	30	Training, Travel & Meals Travel & Meals		-	General		-		-		-		-		-		-		-		-		-		-
403	<b>Subtotal Pump Station Maintenance Program</b>																										
404					\$	65,872		\$	67,602	\$	69,379	\$	71,203	\$	73,076	\$	74,999	\$	77,053	\$	79,163	\$	81,331	\$	83,559	\$	85,849
405	<b>Water Purchase from JPWB</b>																										
406	72.	66	30	Public Utility Services Water Services	\$	1,239,884	Water Purcha	\$	1,239,884	\$	1,277,080	\$	1,315,393	\$	1,354,855	\$	1,402,478	\$	1,451,775	\$	1,502,805	\$	1,555,628	\$	1,610,309	\$	1,666,911
407	<b>Subtotal Water Purchase from JPWB</b>																										
408					\$	1,239,884		\$	1,239,884	\$	1,277,080	\$	1,315,393	\$	1,354,855	\$	1,402,478	\$	1,451,775	\$	1,502,805	\$	1,555,628	\$	1,610,309	\$	1,666,911
409	<b>Travel/Training Formula H2O Fund</b>																										
410	72.	51	10	Personnel Services Full-Time Salaries	\$	6,231	Salaries	\$	6,418	\$	6,610	\$	6,808	\$	7,013	\$	7,223	\$	7,440	\$	7,663	\$	7,893	\$	8,130	\$	8,373
411	72.	51	20	Personnel Services Part-time Salaries		108	Salaries		112		115		118		122		126		129		133		137		141		146
412	72.	52	10	Premium Pay Shift Differential Full-time		2	Salaries		2		2		2		2		2		2		2		2		2		2
413	72.	52	30	Premium Pay Full-time Overtime		56	Salaries		57		59		61		63		65		66		68		70		73		75
414	72.	53	10	Employee Benefits Budget Federal Taxes		492	Benefits		507		522		537		554		570		587		605		623		642		661
415	72.	53	20	Employee Benefits Budget Worker Compensation		226	Benefits		233		240		247		255		263		270		279		287		295		304
416	72.	53	30	Employee Benefits Budget Retirement		998	Benefits		1,028		1,059		1,091		1,123		1,157		1,192		1,228		1,264		1,302		1,341
417	72.	53	40	Employee Benefits Budget Health Insurance		1,509	Benefits		1,554		1,601		1,649		1,698		1,749		1,801		1,855		1,911		1,968		2,028
418	72.	53	50	Employee Benefits Budget Uniform Allowance		37	General		38		38		39		40		41		42		43		44		45		47
419	72.	60		Operations & Maintenance Budget		8,084	General		8,270		8,460		8,655		8,854		9,057		9,284		9,516		9,754		9,998		10,248
420	72.	62	50	Supplies Fleet Maintenance & Supplies		-	Equip Fuel		-		-		-		-		-		-		-		-		-		-
421	72.	65	20	Training, Travel & Meals Training - Employees		-	General		-		-		-		-		-		-		-		-		-		-
422	72.	65	30	Training, Travel & Meals Travel & Meals		-	General		-		-		-		-		-		-		-		-		-		-
423	<b>Subtotal Travel/Training Formula H2O Fund</b>																										
424					\$	17,742		\$	18,218	\$	18,706	\$	19,208	\$	19,723	\$	20,253	\$	20,815	\$	21,393	\$	21,987	\$	22,597	\$	23,225
425	<b>Water Maint/Distribution Program</b>																										
426	72.	62	20	Supplies Tech/General Supplies	\$	-	General	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
428	<b>Subtotal Water Maint/Distribution Program</b>																										
429					\$	-		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
430	<b>Water Transfers</b>																										
431	72.		9900	Transfers Out To General Fund	\$	276,270	General	\$	282,624	\$	289,125	\$	295,774	\$	302,577	\$	309,537	\$	317,275	\$	325,207	\$	333,337	\$	341,670	\$	350,212
432	72.		9940	Pay-As-You-Go (PAYG)		-	None		-		-		-		-		-		-		-		-		-		-
433	72.		9950	Transfers Out To Risk Management Fund		4,500	Salaries		4,635		4,774		4,917		5,065		5,217		5,373		5,534		5,700		5,871		6,048
434				Transfers Out To Rolling Stock Vehicle Replacement		-	Equipment Co		-		46,900		47,838		48,795		49,771		50,766		51,781		52,817		53,873		- CIP
435				Transfers Out To Unrestricted Reserve		-	None		-		50,000		100,000		100,000		125,000		125,000		125,000		125,000		125,000		125,000 A
436	<b>Subtotal Water Transfers</b>																										
					\$	280,770		\$	287,259	\$	390,799	\$	448,530	\$	456,437	\$	489,524	\$	498,414	\$	507,523	\$	516,854	\$	526,415	\$	481,260



City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Water, Wastewater, and Stormwater Financial Forecast				CITY OF GREEN RIVER													
				Test Year Based on:													
				2016 Budget													
Line No.	Department	Account Code	Detailed Account Code	Account Name	Test Year	Inflation Factor	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Notes/ Source
							FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	
437																	
438	Debt				\$ -	None	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
439																	
440	Total Water Expenses				\$ 2,346,285		\$ 2,374,876	\$ 2,538,930	\$ 2,658,943	\$ 2,716,337	\$ 2,814,410	\$ 2,898,616	\$ 2,985,512	\$ 3,075,186	\$ 3,167,727	\$ 3,208,279	
441																	
442	Water Revenues																
443	72.		4410	Charges for Services Rendered	\$ -	None	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
444	72.		4420	MISC Services	(10,500)	None	(10,500)	(10,500)	(10,500)	(10,500)	(10,500)	(10,500)	(10,500)	(10,500)	(10,500)	(10,500)	
445	72.		4430	Additional Service Charges	-	None	-	-	-	-	-	-	-	-	-	-	
446	72.		4440	Specialized Service Fees	(2,500)	None	(2,500)	(2,500)	(2,500)	(2,500)	(2,500)	(2,500)	(2,500)	(2,500)	(2,500)	(2,500)	
447	72.		4610	Miscellaneous	(250)	None	(250)	(250)	(250)	(250)	(250)	(250)	(250)	(250)	(250)	(250)	
448	72.		4661	Interest Income	(7,400)	None	(7,400)	(7,400)	(7,400)	(7,400)	(7,400)	(7,400)	(7,400)	(7,400)	(7,400)	(7,400)	
449	Total Water Revenues				\$ (20,650)		\$ (20,650)	\$ (20,650)	\$ (20,650)	\$ (20,650)	\$ (20,650)	\$ (20,650)	\$ (20,650)	\$ (20,650)	\$ (20,650)	\$ (20,650)	
450																	
451	Water Revenue Requirement				\$ 2,325,635		\$ 2,354,226	\$ 2,518,280	\$ 2,638,293	\$ 2,695,687	\$ 2,793,760	\$ 2,877,966	\$ 2,964,862	\$ 3,054,536	\$ 3,147,077	\$ 3,187,629	
452																	
453	Water Forecasted Rate Revenue						\$ 2,591,597	\$ 2,735,479	\$ 2,735,479	\$ 2,896,978	\$ 2,911,463	\$ 3,028,798	\$ 3,043,942	\$ 3,143,285	\$ 3,159,002	\$ 3,174,797	
454	Water Over/ (Under) Recovery						\$ 237,371	\$ 217,199	\$ 97,186	\$ 201,291	\$ 117,703	\$ 150,832	\$ 79,080	\$ 88,749	\$ 11,924	\$ (12,832)	
455	Cumulative Over/(Under) Recovery						\$ 237,371	\$ 454,570	\$ 551,757	\$ 753,048	\$ 870,751	\$ 1,021,584	\$ 1,100,664	\$ 1,189,413	\$ 1,201,338	\$ 1,188,505	
456																	
457																	
458	Stormwater Expenses																
459	Clean Catch Basin Programs																
460	10.	51		10 Personnel Services Full-Time Salaries	\$ -	None	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
461	10.	51		30 Personnel Services Seasonal Salaries	-	None	-	-	-	-	-	-	-	-	-	-	
462	10.	52		30 Premium Pay Full-time Overtime	-	None	-	-	-	-	-	-	-	-	-	-	
463	10.	53		10 Employee Benefits Budget Federal Taxes	-	None	-	-	-	-	-	-	-	-	-	-	
464	10.	53		20 Employee Benefits Budget Worker Compensation	-	None	-	-	-	-	-	-	-	-	-	-	
465	10.	53		30 Employee Benefits Budget Retirement	-	None	-	-	-	-	-	-	-	-	-	-	
466	10.	53		40 Employee Benefits Budget Health Insurance	-	None	-	-	-	-	-	-	-	-	-	-	
467	10.	62		20 Supplies Tech/General Supplies	-	None	-	-	-	-	-	-	-	-	-	-	
468	Subtotal Clean Catch Basin Program				\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
469																	
470	Herbicide Appl & Root Control																
471	10.	51		10 Personnel Services Full-Time Salaries	\$ 6,106	Salaries	\$ 6,289	\$ 6,477	\$ 6,672	\$ 6,872	\$ 7,078	\$ 7,290	\$ 7,509	\$ 7,734	\$ 7,966	\$ 8,205	
472	10.	51		20 Personnel Services Part-time Salaries	-	Salaries	-	-	-	-	-	-	-	-	-	-	
473	10.	51		30 Personnel Services Seasonal Salaries	7,745	Salaries	7,978	8,217	8,464	8,718	8,979	9,248	9,526	9,812	10,106	10,409	
474	10.	52		10 Premium Pay Shift Differential Full-time	3	Salaries	3	3	3	3	3	3	4	4	4	4	
475	10.	52		30 Premium Pay Full-time Overtime	83	Salaries	85	88	90	93	96	99	102	105	108	111	
476	10.	53		10 Employee Benefits Budget Federal Taxes	1,067	Benefits	1,099	1,132	1,166	1,201	1,237	1,275	1,313	1,352	1,393	1,434	
477	10.	53		20 Employee Benefits Budget Worker Compensation	493	Benefits	508	524	539	555	572	589	607	625	644	663	
478	10.	53		30 Employee Benefits Budget Retirement	983	Benefits	1,012	1,042	1,074	1,106	1,139	1,173	1,208	1,245	1,282	1,320	
479	10.	53		40 Employee Benefits Budget Health Insurance	1,582	Benefits	1,629	1,678	1,728	1,780	1,833	1,888	1,945	2,003	2,064	2,125	
480	10.	53		50 Employee Benefits Budget Uniform Allowance	31	Benefits	32	33	34	35	36	37	38	39	40	42	
481	10.	50		Operations & Maintenance Budget	3,000	General	3,069	3,140	3,212	3,286	3,361	3,445	3,531	3,620	3,710	3,803	
482	10.	52		20 Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
483	10.	52		50 Supplies Fleet Maintenance & Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
484	10.	62		60 Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-	
485	10.	65		30 Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-	
486	Subtotal Herbicide Appl & Root Control				\$ 21,093		\$ 21,704	\$ 22,334	\$ 22,982	\$ 23,649	\$ 24,335	\$ 25,049	\$ 25,783	\$ 26,539	\$ 27,317	\$ 28,118	
487																	
488	Drainage Inspection																
489	10.	51		10 Personnel Services Full-Time Salaries	\$ 11,573	Salaries	\$ 11,921	\$ 12,278	\$ 12,647	\$ 13,026	\$ 13,417	\$ 13,819	\$ 14,234	\$ 14,661	\$ 15,101	\$ 15,554	
490	10.	51		20 Personnel Services Part-time Salaries	-	Salaries	-	-	-	-	-	-	-	-	-	-	
491	10.	51		30 Personnel Services Seasonal Salaries	6,293	Salaries	6,482	6,677	6,877	7,083	7,296	7,515	7,740	7,972	8,211	8,458	
492	10.	52		10 Premium Pay Shift Differential Full-time	5	Salaries	5	5	5	5	5	6	6	6	6	6	
493	10.	52		30 Premium Pay Full-time Overtime	134	Salaries	138	142	146	150	155	160	164	169	174	180	
494	10.	53		10 Employee Benefits Budget Federal Taxes	1,382	Benefits	1,423	1,466	1,510	1,555	1,600	1,650	1,700	1,751	1,803	1,857	
495	10.	53		20 Employee Benefits Budget Worker Compensation	637	Benefits	656	676	696	717	738	760	783	807	831	856	
496	10.	53		30 Employee Benefits Budget Retirement	1,858	Benefits	1,914	1,972	2,031	2,092	2,154	2,219	2,286	2,354	2,425	2,498	
497	10.	53		40 Employee Benefits Budget Health Insurance	2,815	Benefits	2,899	2,986	3,076	3,168	3,263	3,361	3,462	3,566	3,673	3,783	
498	10.	53		50 Employee Benefits Budget Uniform Allowance	65	Benefits	67	69	72	74	76	78	80	83	85	88	
499	10.	60		Operations & Maintenance Budget	2,300	General	2,353	2,407	2,462	2,519	2,577	2,641	2,707	2,775	2,844	2,916	
500	10.	62		20 Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-	

City of Green River, Wyoming  
Water, Wastewater, Stormwater, and Municipal  
Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Water, Wastewater, and Stormwater Financial Forecast																											
Test Year Based on: <b>2016 Budget</b>																											
Line No.	Department	Account Code	Detailed Account Code	Account Name	Test Year	Inflation Factor	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Notes/ Source										
							FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026											
501	10.	62	30	Supplies Small Tools	-	General	-	-	-	-	-	-	-	-	-	-	-										
502	10.	62	50	Supplies Fleet Maintenance & Supplies	-	General	-	-	-	-	-	-	-	-	-	-	-										
503	10.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-	-										
504	10.	63	30	Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-	-										
505	10.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-	-										
506	10.	70		Capital Asset Purchase	-	Equipment Co	-	-	-	-	-	-	-	-	-	-	-										
507	<b>Subtotal Drainage Inspection</b>				\$	27,063	\$	27,858	\$	28,678	\$	29,521	\$	30,389	\$	31,284	\$	32,209	\$	33,162	\$	34,144	\$	35,154	\$	36,194	
508																											
509	<b>Lift Station Emergency Program</b>																										
510	10.	51	10	Personnel Services Full-Time Salaries	\$	-	Salaries	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
511	10.	52	30	Premium Pay Full-time Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
512	10.	53	10	Employee Benefits Budget Federal Taxes	-	Benefits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
513	10.	53	20	Employee Benefits Budget Worker Compensation	-	Benefits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
514	10.	53	30	Employee Benefits Budget Retirement	-	Benefits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
515	10.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
516	<b>Subtotal Lift Station Emergency Program</b>				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
517																											
518	<b>Maint for Drainage &amp; Ditches</b>																										
519	10.	51	10	Personnel Services Full-Time Salaries	\$	47,686	Salaries	\$	49,116	\$	50,590	\$	52,108	\$	53,671	\$	55,281	\$	56,939	\$	58,648	\$	60,407	\$	62,219	\$	64,086
520	10.	51	20	Personnel Services Part-time Salaries	-	Salaries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
521	10.	51	30	Personnel Services Seasonal Salaries	3,388	Salaries	3,489	3,594	3,702	3,813	3,927	4,045	4,167	4,292	4,420	4,553											
522	10.	52	10	Premium Pay Shift Differential Full-time	20	Salaries	21	21	22	23	23	24	25	25	26	27											
523	10.	52	30	Premium Pay Full-time Overtime	588	Salaries	605	623	642	661	681	702	723	744	767	790											
524	10.	53	10	Employee Benefits Budget Federal Taxes	3,974	Benefits	4,093	4,216	4,342	4,472	4,607	4,745	4,887	5,034	5,185	5,340											
525	10.	53	20	Employee Benefits Budget Worker Compensation	1,829	Benefits	1,884	1,940	1,999	2,059	2,120	2,184	2,250	2,317	2,387	2,458											
526	10.	53	30	Employee Benefits Budget Retirement	7,664	Benefits	7,894	8,130	8,374	8,626	8,884	9,151	9,425	9,708	9,999	10,299											
527	10.	53	40	Employee Benefits Budget Health Insurance	11,216	Benefits	11,553	11,899	12,256	12,624	13,003	13,393	13,795	14,208	14,635	15,074											
528	10.	53	50	Employee Benefits Budget Uniform Allowance	251	Benefits	258	266	274	282	291	300	309	318	327	337											
529	10.	60		Operations & Maintenance Budget	2,800	General	2,864	2,930	2,998	3,067	3,137	3,216	3,296	3,378	3,463	3,549											
530	10.	62	20	Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-											
531	10.	62	30	Supplies Small Tools	-	General	-	-	-	-	-	-	-	-	-	-											
532	10.	62	50	Supplies Fleet Maintenance & Supplies	-	General	-	-	-	-	-	-	-	-	-	-											
533	10.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-											
534	10.	63	30	Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-											
535	10.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-											
536				Cash Capital Outlays	25,000	None	-	25,000	25,000	25,000	25,000	50,000	50,000	50,000	50,000	50,000											
537	<b>Subtotal Maint for Drainage &amp; Ditches</b>				\$	104,415	\$	81,778	\$	109,211	\$	111,717	\$	114,297	\$	116,955	\$	144,698	\$	147,523	\$	150,432	\$	153,428	\$	156,514	
538																											
539	<b>Stormwater Transfers</b>																										
540				Transfers Out to Unrestricted Reserve	\$	-	None	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
541	<b>Subtotal Stormwater Transfers</b>				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
542																											
543	<b>Stormwater Capitial Contribution from Rates</b>				\$	-	None	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
544																											
545	<b>Total Stormwater Expenses</b>				\$	152,570	\$	131,340	\$	160,223	\$	164,220	\$	168,336	\$	172,574	\$	201,956	\$	206,468	\$	211,114	\$	215,899	\$	220,826	
546																											
547	<b>Stormwater Revenue</b>																										
548	<b>72.4410 - Charges for Services Rendered</b>				\$	-	None	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
549	<b>Total Stormwater Revenue</b>				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
550																											
551	<b>Stormwater Revenue Requirement</b>				\$	152,570	\$	131,340	\$	160,223	\$	164,220	\$	168,336	\$	172,574	\$	201,956	\$	206,468	\$	211,114	\$	215,899	\$	220,826	
552																											
553	<b>Forecasted Storm Water Rate Revenue</b>				\$	-	\$	162,270	\$	162,270	\$	189,315	\$	190,262	\$	204,871	\$	205,895	\$	220,720	\$	221,823	\$	222,932	\$	222,932	
554	<b>Stormwater Over/(Under) Recovery</b>				\$	-	\$	2,047	\$	(1,950)	\$	20,979	\$	17,688	\$	2,915	\$	(573)	\$	9,606	\$	5,925	\$	2,107	\$	2,107	
555	<b>Cumulative Over/(Under) Recovery</b>				\$	-	\$	2,047	\$	97	\$	21,076	\$	38,764	\$	41,679	\$	41,107	\$	50,712	\$	56,637	\$	58,744	\$	58,744	

NOTES:  
A. Transfer to respective utility reserve to accumulate funds for future needs.  
B. Wastewater Projected Revenues utilize historical and forecasted billing units and rates.  
C. Water Projected Revenues utilize historical and forecasted billing units and rates.


City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Municipal Solid Waste Financial Forecast				Test Year Based on <b>2016 Budget</b>														
Line No.	Department	Account Code	Detailed Account Code	Account Name	Test Year	Inflation Factor	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Notes/ Source	
							FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		
<b>1 Solid Waste Expenses</b>																		
<b>2 Administration</b>																		
3	70..	51	10	Personnel Services Full-Time Salaries	\$ 192,190	Salaries	\$ 197,955	\$ 203,894	\$ 210,011	\$ 216,311	\$ 222,800	\$ 229,484	\$ 236,369	\$ 243,460	\$ 250,764	\$ 258,287		
4	70..	51	20	Personnel Services Part-time Salaries	1,594	Salaries	1,642	1,691	1,742	1,794	1,848	1,904	1,961	2,020	2,080	2,143		
5	70..	51	30	Personnel Services Seasonal Salaries	1,871	Salaries	1,927	1,985	2,044	2,106	2,169	2,234	2,301	2,370	2,441	2,514		
6	70..	52	10	Premium Pay Shift Differential Full-time	76	Salaries	78	81	83	86	88	91	94	96	99	102		
7	70..	52	30	Premium Pay Full-time Overtime	517	Salaries	533	548	565	582	599	617	636	655	675	695		
8	70..	52	40	Premium Pay Part-time Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-		
9	70..	52	50	Premium Pay Seasonal Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-		
10	70..	53		Employee Benefits Budget	-	Benefits	-	-	-	-	-	-	-	-	-	-		
11	70..	53	10	Employee Benefits Budget Federal Taxes	15,069	Benefits	15,521	15,987	16,466	16,960	17,469	17,993	18,533	19,089	19,662	20,252		
12	70..	53	20	Employee Benefits Budget Worker Compensation	6,948	Benefits	7,156	7,371	7,592	7,820	8,054	8,296	8,545	8,801	9,065	9,337		
13	70..	53	30	Employee Benefits Budget Retirement	30,594	Benefits	31,512	32,458	33,431	34,434	35,467	36,531	37,627	38,756	39,919	41,116		
14	70..	53	40	Employee Benefits Budget Health Insurance	30,655	Benefits	31,575	32,522	33,498	34,502	35,538	36,604	37,702	38,833	39,998	41,198		
15	70..	53	50	Employee Benefits Budget Uniform Allowance	732	General	749	766	784	802	820	841	862	883	905	928		
16	70..	60		Operations & Maintenance Budget	22,092	General	22,600	23,120	23,652	24,196	24,752	25,371	26,005	26,655	27,322	28,005		
17	70..	62	10	Supplies Office Supplies	-	General	-	-	-	-	-	-	-	-	-	-		
18	70..	62	20	Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-		
19	70..	62	30	Supplies Small Tools	-	General	-	-	-	-	-	-	-	-	-	-		
20	70..	62	50	Supplies Fleet Maintenance & Supplies	-	General	-	-	-	-	-	-	-	-	-	-		
21	70..	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-		
22	70..	62	70	Supplies Computer, Hardware & Software	-	General	-	-	-	-	-	-	-	-	-	-		
23	70..	63	10	Outside Services Professional Services	-	General	-	-	-	-	-	-	-	-	-	-		
24	70..	63	20	Outside Services Advertising	-	General	-	-	-	-	-	-	-	-	-	-		
25	70..	63	30	Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-		
26	70..	65	20	Training, Travel & Meals Training - Employees	-	General	-	-	-	-	-	-	-	-	-	-		
27	70..	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-		
28	70..	66	40	Public Utility Services Postage & Shipping	-	General	-	-	-	-	-	-	-	-	-	-		
29	70..	66	60	Public Utility Services Telephone & T.V. Charges	-	General	-	-	-	-	-	-	-	-	-	-		
30	70..	68	10	Other Services & Charges Subscriptions, Memberships, Dues	-	General	-	-	-	-	-	-	-	-	-	-		
31	70..	68	20	Other Services & Charges City Purchased Uniforms	600	General	614	628	642	657	672	689	706	724	742	761		
32	70..	69		Admin Cost Due to General Fund	-	General	-	-	-	-	-	-	-	-	-	-		
33	70..	69	20	Depreciation	-	None	-	-	-	-	-	-	-	-	-	-		
34	70..	70		Capital Asset Purchase	-	Equipment C	-	-	-	-	-	-	-	-	-	-		
35				Compensated Absence	29,948	Salaries	29,948	30,846	31,772	10,908	-	-	-	-	-	-	Adjustments	
36	<b>Subtotal Administration</b>				\$ 332,886		\$ 341,810	\$ 351,897	\$ 362,282	\$ 351,158	\$ 350,278	\$ 360,655	\$ 371,340	\$ 382,343	\$ 393,672	\$ 405,337		
37																		
38	<b>Building Maintenance</b>																	
39	70..	60		Operations & Maintenance Budget	\$ 19,500	General	\$ 19,949	\$ 20,407	\$ 20,877	\$ 21,357	\$ 21,848	\$ 22,394	\$ 22,954	\$ 23,528	\$ 24,116	\$ 24,719		
40	70..	66	10	Public Utility Services Natural Gas Services	-	General	-	-	-	-	-	-	-	-	-	-		
41	70..	66	20	Public Utility Services Electric Services	-	Electric	-	-	-	-	-	-	-	-	-	-		
42	70..	66	30	Public Utility Services Water Services	-	General	-	-	-	-	-	-	-	-	-	-		
43	<b>Subtotal Building Maintenance</b>				\$ 19,500		\$ 19,949	\$ 20,407	\$ 20,877	\$ 21,357	\$ 21,848	\$ 22,394	\$ 22,954	\$ 23,528	\$ 24,116	\$ 24,719		
44																		
45	<b>Collection Automated</b>																	
46	70..	51	10	Personnel Services Full-Time Salaries	\$ 58,412	Salaries	\$ 60,165	\$ 61,970	\$ 63,829	\$ 65,744	\$ 67,716	\$ 69,747	\$ 71,840	\$ 73,995	\$ 76,215	\$ 78,501		
47	70..	51	20	Personnel Services Part-time Salaries	-	Salaries	-	-	-	-	-	-	-	-	-	-		
48	70..	52	10	Premium Pay Shift Differential Full-time	99	Salaries	102	105	109	112	115	119	122	126	130	133		
49	70..	52	30	Premium Pay Full-time Overtime	270	Salaries	278	286	295	303	313	322	332	342	352	362		
50	70..	53		Employee Benefits Budget	-	Benefits	-	-	-	-	-	-	-	-	-	-		
51	70..	53	10	Employee Benefits Budget Federal Taxes	4,525	Benefits	4,660	4,800	4,944	5,092	5,245	5,403	5,565	5,732	5,903	6,081		
52	70..	53	20	Employee Benefits Budget Worker Compensation	2,081	Benefits	2,143	2,207	2,273	2,342	2,412	2,484	2,559	2,636	2,715	2,796		

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Municipal Solid Waste Financial Forecast																	
			Test Year Based on		2016 Budget		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	
Line No.	Department	Account Code	Detailed Account Code	Account Name	Test Year	Inflation Factor	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Notes/ Source
53	70.	53	30	Employee Benefits Budget Retirement	9,328	Benefits	9,608	9,896	10,193	10,499	10,814	11,138	11,473	11,817	12,171	12,536	
54	70.	53	40	Employee Benefits Budget Health Insurance	17,508	Benefits	18,034	18,575	19,132	19,706	20,297	20,906	21,533	22,179	22,844	23,530	
55	70.	53	50	Employee Benefits Budget Uniform Allowance	359	General	367	376	385	393	402	412	423	433	444	455	
56	70.	60		Operations & Maintenance Budget	98,741	General	101,012	103,335	105,712	108,143	110,631	113,396	116,231	119,137	122,116	125,168	
57	70.	62	10	Supplies Office Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
58	70.	62	20	Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
59	70.	62	50	Supplies Fleet Maintenance & Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
60	70.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-	
61	70.	63	10	Outside Services Professional Services	-	General	-	-	-	-	-	-	-	-	-	-	
62	70.	63	30	Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-	
63	70.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-	
64	70.	69	20	Depreciation	-	None	-	-	-	-	-	-	-	-	-	-	
65	70.	69	99	Small Asset Purchases	-	General	-	-	-	-	-	-	-	-	-	-	
66	70.	70		Capital Asset Purchase	-	Equipment C	-	-	-	-	-	-	-	-	-	-	
67	<b>Subtotal Collection Automated</b>				\$ 191,323		\$ 196,369	\$ 201,551	\$ 206,871	\$ 212,335	\$ 217,945	\$ 223,928	\$ 230,077	\$ 236,396	\$ 242,890	\$ 249,564	
68																	
69	<b>Collection Dumpster Routes</b>																
70	70.	51	10	Personnel Services Full-Time Salaries	\$ 44,535	Salaries	\$ 45,871	\$ 47,247	\$ 48,665	\$ 50,125	\$ 51,628	\$ 53,177	\$ 54,773	\$ 56,416	\$ 58,108	\$ 59,852	
71	70.	51	20	Personnel Services Part-time Salaries	2,772	Salaries	2,855	2,940	3,029	3,119	3,213	3,309	3,409	3,511	3,616	3,725	
72	70.	52	10	Premium Pay Shift Differential Full-time	38	Salaries	39	41	42	43	44	46	47	48	50	51	
73	70.	52	30	Premium Pay Full-time Overtime	101	Salaries	104	107	110	114	117	120	124	128	132	136	
74	70.	52	40	Premium Pay Part-time Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-	
75	70.	53	10	Employee Benefits Budget Federal Taxes	3,648	Benefits	3,757	3,870	3,986	4,106	4,229	4,356	4,486	4,621	4,759	4,902	
76	70.	53	20	Employee Benefits Budget Worker Compensation	1,680	Benefits	1,730	1,782	1,835	1,890	1,947	2,006	2,066	2,128	2,191	2,257	
77	70.	53	30	Employee Benefits Budget Retirement	7,090	Benefits	7,302	7,521	7,747	7,979	8,219	8,465	8,719	8,981	9,250	9,528	
78	70.	53	40	Employee Benefits Budget Health Insurance	11,919	Benefits	12,276	12,644	13,024	13,414	13,817	14,231	14,658	15,098	15,551	16,018	
79	70.	53	50	Employee Benefits Budget Uniform Allowance	240	General	245	251	257	263	269	275	282	289	297	304	
80	70.	60		Operations & Maintenance Budget	11,012	General	11,265	11,524	11,789	12,061	12,338	12,646	12,963	13,287	13,619	13,959	
81	70.	62	20	Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
82	70.	62	50	Supplies Fleet Maintenance & Supplies	-	Equip Fuel	-	-	-	-	-	-	-	-	-	-	
83	70.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-	
84	70.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-	
85	70.	66	40	Public Utility Services Postage & Shipping	-	General	-	-	-	-	-	-	-	-	-	-	
86	<b>Subtotal Collection Dumpster Routes</b>				\$ 83,033		\$ 85,445	\$ 87,928	\$ 90,484	\$ 93,114	\$ 95,821	\$ 98,633	\$ 101,527	\$ 104,507	\$ 107,574	\$ 110,732	
87																	
88	<b>Collection Maintenance</b>																
89	70.	51	10	Personnel Services Full-Time Salaries	\$ 9,726	Salaries	\$ 10,018	\$ 10,318	\$ 10,628	\$ 10,946	\$ 11,275	\$ 11,613	\$ 11,962	\$ 12,320	\$ 12,690	\$ 13,071	
90	70.	51	20	Personnel Services Part-time Salaries	-	Salaries	-	-	-	-	-	-	-	-	-	-	
91	70.	51	30	Personnel Services Seasonal Salaries	989	Salaries	1,019	1,050	1,081	1,113	1,147	1,181	1,217	1,253	1,291	1,330	
92	70.	52	10	Premium Pay Shift Differential Full-time	21	Salaries	22	22	23	24	24	25	26	27	27	28	
93	70.	52	20	Premium Pay Shift Differential Part-time	-	Salaries	-	-	-	-	-	-	-	-	-	-	
94	70.	52	30	Premium Pay Full-time Overtime	45	Salaries	47	48	49	51	52	54	56	57	59	61	
95	70.	52	50	Premium Pay Seasonal Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-	
96	70.	53	10	Employee Benefits Budget Federal Taxes	829	Benefits	854	879	906	933	961	990	1,020	1,050	1,082	1,114	
97	70.	53	20	Employee Benefits Budget Worker Compensation	382	Benefits	393	405	417	430	442	456	469	484	498	513	
98	70.	53	30	Employee Benefits Budget Retirement	1,554	Benefits	1,601	1,649	1,698	1,749	1,802	1,856	1,911	1,969	2,028	2,088	
99	70.	53	40	Employee Benefits Budget Health Insurance	3,812	Benefits	3,926	4,044	4,165	4,290	4,419	4,551	4,688	4,828	4,973	5,122	
100	70.	53	50	Employee Benefits Budget Uniform Allowance	60	General	61	63	64	66	67	69	71	72	74	76	
101	70.	60		Operations & Maintenance Budget	5,087	General	5,204	5,324	5,446	5,571	5,700	5,842	5,988	6,138	6,291	6,449	
102	70.	62	20	Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
103	70.	62	30	Supplies Small Tools	-	General	-	-	-	-	-	-	-	-	-	-	
104	70.	62	50	Supplies Fleet Maintenance & Supplies	-	Equip Fuel	-	-	-	-	-	-	-	-	-	-	
105	70.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-	

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Municipal Solid Waste Financial Forecast																
Test Year Based on				2016 Budget	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Notes/ Source	
Line No.	Department	Account Code	Detailed Account Code	Account Name	Test Year	Inflation Factor	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
106	70.	63	30	Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-
107	70.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-
108	<b>Subtotal Collection Maintenance</b>				\$ 22,505		\$ 23,144	\$ 23,801	\$ 24,477	\$ 25,173	\$ 25,889	\$ 26,637	\$ 27,406	\$ 28,198	\$ 29,013	\$ 29,852
109																
110	<b>Collection Service Request</b>															
111	70.	51	10	Personnel Services Full-Time Salaries	\$ 5,332	Salaries	\$ 5,492	\$ 5,657	\$ 5,827	\$ 6,002	\$ 6,182	\$ 6,367	\$ 6,558	\$ 6,755	\$ 6,957	\$ 7,166
112	70.	51	20	Personnel Services Part-time Salaries	5,178	Salaries	5,333	5,493	5,658	5,827	6,002	6,182	6,368	6,559	6,756	6,958
113	70.	51	30	Personnel Services Seasonal Salaries	1,871	Salaries	1,927	1,985	2,044	2,105	2,169	2,234	2,301	2,370	2,441	2,514
114	70.	52	10	Premium Pay Shift Differential Full-time	9	Salaries	9	9	9	10	10	10	11	11	11	12
115	70.	52	30	Premium Pay Full-time Overtime	21	Salaries	21	22	23	23	24	25	26	26	27	28
116	70.	52	40	Premium Pay Part-time Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-
117	70.	52	50	Premium Pay Seasonal Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-
118	70.	53		Employee Benefits Budget	-	Benefits	-	-	-	-	-	-	-	-	-	-
119	70.	53	10	Employee Benefits Budget Federal Taxes	951	Benefits	980	1,009	1,039	1,070	1,103	1,136	1,170	1,205	1,241	1,278
120	70.	53	20	Employee Benefits Budget Worker Compensation	440	Benefits	453	466	480	495	510	525	541	557	574	591
121	70.	53	30	Employee Benefits Budget Retirement	851	Benefits	876	903	930	957	986	1,016	1,046	1,078	1,110	1,143
122	70.	53	40	Employee Benefits Budget Health Insurance	1,743	Benefits	1,795	1,849	1,904	1,961	2,020	2,081	2,143	2,207	2,274	2,342
123	70.	53	50	Employee Benefits Budget Uniform Allowance	32	General	32	33	34	35	35	36	37	38	39	40
124	70.	60		Operations & Maintenance Budget	8,170	General	8,358	8,550	8,747	8,948	9,154	9,383	9,617	9,858	10,104	10,357
125	70.	62	10	Supplies Office Supplies	-	General	-	-	-	-	-	-	-	-	-	-
126	70.	62	20	Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-
127	70.	62	50	Supplies Fleet Maintenance & Supplies	-	General	-	-	-	-	-	-	-	-	-	-
128	70.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-
129	70.	63	20	Outside Services Advertising	-	General	-	-	-	-	-	-	-	-	-	-
130	70.	63	30	Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-
131	70.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-
132	70.	68	10	Other Services & Charges Subscriptions, Memberships, Dues	-	General	-	-	-	-	-	-	-	-	-	-
133	70.	70		Capital Asset Purchase	-	Equipment C	-	-	-	-	-	-	-	-	-	-
134	<b>Subtotal Collection Service Request</b>				\$ 24,596		\$ 25,276	\$ 25,976	\$ 26,695	\$ 27,434	\$ 28,194	\$ 28,994	\$ 29,817	\$ 30,663	\$ 31,534	\$ 32,429
135																
136	<b>Landfill Dirt Work</b>															
137	70.	51	10	Personnel Services Full-Time Salaries	\$ 61,063	Salaries	\$ 62,895	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138	70.	51	20	Personnel Services Part-time Salaries	9,534	Salaries	9,820	-	-	-	-	-	-	-	-	-
139	70.	52	10	Premium Pay Shift Differential Full-time	94	Salaries	96	-	-	-	-	-	-	-	-	-
140	70.	52	20	Premium Pay Shift Differential Part-time	-	Salaries	-	-	-	-	-	-	-	-	-	-
141	70.	52	30	Premium Pay Full-time Overtime	282	Salaries	291	-	-	-	-	-	-	-	-	-
142	70.	52	40	Premium Pay Part-time Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-
143	70.	53	10	Employee Benefits Budget Federal Taxes	5,455	Benefits	5,619	-	-	-	-	-	-	-	-	-
144	70.	53	20	Employee Benefits Budget Worker Compensation	2,513	Benefits	2,588	-	-	-	-	-	-	-	-	-
145	70.	53	30	Employee Benefits Budget Retirement	9,750	Benefits	10,043	-	-	-	-	-	-	-	-	-
146	70.	53	40	Employee Benefits Budget Health Insurance	20,675	Benefits	21,295	-	-	-	-	-	-	-	-	-
147	70.	53	50	Employee Benefits Budget Uniform Allowance	332	General	339	-	-	-	-	-	-	-	-	-
148	70.	60		Operations & Maintenance Budget	41,135	General	42,081	-	-	-	-	-	-	-	-	-
149	70.	62	20	Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-
150	70.	62	50	Supplies Fleet Maintenance & Supplies	-	Equip Fuel	-	-	-	-	-	-	-	-	-	-
151	70.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-
152	70.	63	10	Outside Services Professional Services	900	General	921	-	-	-	-	-	-	-	-	-
153	70.	63	20	Outside Services Advertising	-	General	-	-	-	-	-	-	-	-	-	-
154	70.	63	30	Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-
155	70.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-
156	70.	67	10	Rentals & Leases Rentals & Leases	-	General	-	-	-	-	-	-	-	-	-	-
157	<b>Subtotal Landfill Dirt Work</b>				\$ 151,733		\$ 155,988	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
158																

**Landfill closed and Transfer Station operational in Summer 2017**

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design  
 Municipal Solid Waste Financial Forecast



				Test Year Based on													
				2016 Budget		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10		
Line No.	Department	Account Code	Detailed Account Code	Account Name	Test Year	Inflation Factor	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Notes/ Source
159				<b>Landfill Daily Work</b>													
160	70.	51	10	Personnel Services Full-Time Salaries	\$ 52,977	Salaries	\$ 54,566	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
161	70.	51	20	Personnel Services Part-time Salaries	10,691	Salaries	11,011	-	-	-	-	-	-	-	-	-	
162	70.	52	10	Premium Pay Shift Differential Full-time	62	Salaries	64	-	-	-	-	-	-	-	-	-	
163	70.	52	20	Premium Pay Shift Differential Part-time	-	Salaries	-	-	-	-	-	-	-	-	-	-	
164	70.	52	30	Premium Pay Full-time Overtime	245	Salaries	252	-	-	-	-	-	-	-	-	-	
165	70.	52	40	Premium Pay Part-time Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-	
166	70.	53	10	Employee Benefits Budget Federal Taxes	4,917	Benefits	5,064	-	-	-	-	-	-	-	-	-	
167	70.	53	20	Employee Benefits Budget Worker Compensation	2,265	Benefits	2,333	-	-	-	-	-	-	-	-	-	
168	70.	53	30	Employee Benefits Budget Retirement	8,456	Benefits	8,710	-	-	-	-	-	-	-	-	-	
169	70.	53	40	Employee Benefits Budget Health Insurance	14,932	Benefits	15,380	-	-	-	-	-	-	-	-	-	
170	70.	53	50	Employee Benefits Budget Uniform Allowance	297	General	304	-	-	-	-	-	-	-	-	-	
171	70.	60		Operations & Maintenance Budget	14,724	General	15,063	-	-	-	-	-	-	-	-	-	
172	70.	62	10	Supplies Office Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
173	70.	62	20	Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
174	70.	62	30	Supplies Small Tools	-	General	-	-	-	-	-	-	-	-	-	-	
175	70.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-	
176	70.	63	10	Outside Services Professional Services	-	General	-	-	-	-	-	-	-	-	-	-	
177	70.	63	20	Outside Services Advertising	-	General	-	-	-	-	-	-	-	-	-	-	
178	70.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-	
179	70.	67	10	Rentals & Leases Rentals & Leases	-	General	-	-	-	-	-	-	-	-	-	-	
180	70.	68	10	Other Services & Charges Subscriptions, Memberships, Dues	-	General	-	-	-	-	-	-	-	-	-	-	
181				<b>Subtotal Landfill Daily Work</b>	\$ 109,565		\$ 112,746	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
182																	
183				<b>Landfill Litter Control</b>													
184	70.	51	10	Personnel Services Full-Time Salaries	\$ 3,103	Salaries	\$ 3,196	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
185	70.	51	20	Personnel Services Part-time Salaries	-	Salaries	-	-	-	-	-	-	-	-	-	-	
186	70.	51	30	Personnel Services Seasonal Salaries	6,603	Salaries	6,801	-	-	-	-	-	-	-	-	-	
187	70.	52	10	Premium Pay Shift Differential Full-time	6	Salaries	6	-	-	-	-	-	-	-	-	-	
188	70.	52	20	Premium Pay Shift Differential Part-time	-	Salaries	-	-	-	-	-	-	-	-	-	-	
189	70.	52	30	Premium Pay Full-time Overtime	15	Salaries	15	-	-	-	-	-	-	-	-	-	
190	70.	52	50	Premium Pay Seasonal Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-	
191	70.	53	10	Employee Benefits Budget Federal Taxes	746	Benefits	768	-	-	-	-	-	-	-	-	-	
192	70.	53	20	Employee Benefits Budget Worker Compensation	345	Benefits	355	-	-	-	-	-	-	-	-	-	
193	70.	53	30	Employee Benefits Budget Retirement	496	Benefits	510	-	-	-	-	-	-	-	-	-	
194	70.	53	40	Employee Benefits Budget Health Insurance	1,281	Benefits	1,319	-	-	-	-	-	-	-	-	-	
195	70.	53	50	Employee Benefits Budget Uniform Allowance	16	General	16	-	-	-	-	-	-	-	-	-	
196	70.	60		Operations & Maintenance Budget	2,209	General	2,260	-	-	-	-	-	-	-	-	-	
197	70.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-	
198	70.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-	
199				<b>Subtotal Landfill Litter Control</b>	\$ 14,818		\$ 15,247	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
200																	
201				<b>Landfill Maintenance</b>													
202	70.	51	10	Personnel Services Full-Time Salaries	\$ 4,866	Salaries	\$ 5,012	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
203	70.	51	20	Personnel Services Part-time Salaries	2,419	Salaries	2,491	-	-	-	-	-	-	-	-	-	
204	70.	51	30	Personnel Services Seasonal Salaries	3,301	Salaries	3,400	-	-	-	-	-	-	-	-	-	
205	70.	52	10	Premium Pay Shift Differential Full-time	7	Salaries	7	-	-	-	-	-	-	-	-	-	
206	70.	52	20	Premium Pay Shift Differential Part-time	-	Salaries	-	-	-	-	-	-	-	-	-	-	
207	70.	52	30	Premium Pay Full-time Overtime	23	Salaries	23	-	-	-	-	-	-	-	-	-	
208	70.	52	40	Premium Pay Part-time Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-	
209	70.	52	50	Premium Pay Seasonal Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-	
210	70.	53	10	Employee Benefits Budget Federal Taxes	814	Benefits	838	-	-	-	-	-	-	-	-	-	
211	70.	53	20	Employee Benefits Budget Worker Compensation	376	Benefits	387	-	-	-	-	-	-	-	-	-	

**Landfill closed and Transfer Station operational in Summer 2017**

**Landfill closed and Transfer Station operational in Summer 2017**

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Municipal Solid Waste Financial Forecast																	
Test Year Based on <b>2016 Budget</b>																	
Line No.	Department	Account Code	Detailed Account Code	Account Name	Test Year	Inflation Factor	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Notes/ Source
							FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	
212	70.	53	30	Employee Benefits Budget Retirement	777	Benefits	800	-									
213	70.	53	40	Employee Benefits Budget Retirement	1,648	Benefits	1,697	-									
214	70.	53	50	Employee Benefits Budget Uniform Allowance	26	General	27	-									
215	70.	60		Operations & Maintenance Budget	60,000	General	61,380	-									
216	70.	62	10	Supplies Office Supplies	-	General	-	-									
217	70.	62	20	Supplies Tech/General Supplies	-	General	-	-									
218	70.	62	50	Supplies Fleet Maintenance & Supplies	-	General	-	-									
219	70.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-									
220	70.	62	70	Supplies Computer, Hardware & Software	-	General	-	-									
221	70.	63	10	Outside Services Professional Services	-	General	-	-									
222	70.	63	30	Outside Services Non-Professional Services	-	General	-	-									
223	70.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-									
224	70.	66	10	Public Utility Services Natural Gas Services	-	General	-	-									
225	70.	66	40	Public Utility Services Postage & Shipping	-	General	-	-									
227				Annual Post Closure Expense	-	General	-	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	Adjustments
228				Annual Landfill Closure Funds	-	General	-	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	Adjustments
229	<b>Subtotal Landfill Maintenance</b>				\$ 74,256		\$ 176,064	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	
230																	
231	<b>Landfill Scale House</b>																
232	70.	51	10	Personnel Services Full-Time Salaries	\$ 37,854	Salaries	\$ 38,990	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
233	70.	51	20	Personnel Services Part-time Salaries	17,843	Salaries	18,378	-	-	-	-	-	-	-	-	-	-
234	70.	52	10	Premium Pay Shift Differential Full-time	4	Salaries	4	-	-	-	-	-	-	-	-	-	-
235	70.	52	30	Premium Pay Full-time Overtime	174	Salaries	180	-	-	-	-	-	-	-	-	-	-
236	70.	52	40	Premium Pay Part-time Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-	-
237	70.	53	10	Employee Benefits Budget Federal Taxes	4,291	Benefits	4,420	-	-	-	-	-	-	-	-	-	-
238	70.	53	20	Employee Benefits Budget Worker Compensation	1,978	Benefits	2,037	-	-	-	-	-	-	-	-	-	-
239	70.	53	30	Employee Benefits Budget Retirement	6,036	Benefits	6,217	-	-	-	-	-	-	-	-	-	-
240	70.	53	40	Employee Benefits Budget Health Insurance	18,356	Benefits	18,907	-	-	-	-	-	-	-	-	-	-
241	70.	53	50	Employee Benefits Budget Uniform Allowance	218	General	223	-	-	-	-	-	-	-	-	-	-
242	70.	60		Operations & Maintenance Budget	4,179	General	4,275	-	-	-	-	-	-	-	-	-	-
243	70.	62	10	Supplies Office Supplies	-	General	-	-	-	-	-	-	-	-	-	-	-
244	70.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-	-
245	70.	63	20	Outside Services Advertising	-	General	-	-	-	-	-	-	-	-	-	-	-
246	70.	63	30	Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-	-
247	70.	68	10	Other Services & Charges Subscriptions, Memberships, Dues	-	General	-	-	-	-	-	-	-	-	-	-	-
248	<b>Subtotal Landfill Scale House</b>				\$ 90,933		\$ 93,631	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
249																	
250	<b>Recycling Bailing</b>																
251	70.	51	10	Personnel Services Full-Time Salaries	\$ 6,330	Salaries	\$ 6,520	\$ 6,716	\$ 6,917	\$ 7,125	\$ 7,338	\$ 7,559	\$ 7,785	\$ 8,019	\$ 8,260	\$ 8,507	
252	70.	51	20	Personnel Services Part-time Salaries	1,479	Salaries	1,524	1,569	1,617	1,665	1,715	1,766	1,819	1,874	1,930	1,988	
253	70.	51	30	Personnel Services Seasonal Salaries	1,871	Salaries	1,927	1,985	2,044	2,105	2,169	2,234	2,301	2,370	2,441	2,514	
254	70.	52	10	Premium Pay Shift Differential Full-time	14	Salaries	14	14	15	15	16	16	17	17	18	18	
255	70.	52	30	Premium Pay Full-time Overtime	29	Salaries	30	31	32	33	34	35	36	37	38	39	
256	70.	52	40	Premium Pay Part-time Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-	
257	70.	52	50	Premium Pay Seasonal Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-	
258	70.	53	10	Employee Benefits Budget Federal Taxes	746	Benefits	769	792	816	840	865	891	918	945	974	1,003	
259	70.	53	20	Employee Benefits Budget Worker Compensation	345	Benefits	355	365	376	388	399	411	424	436	449	463	
260	70.	53	30	Employee Benefits Budget Retirement	1,011	Benefits	1,042	1,073	1,105	1,138	1,172	1,208	1,244	1,281	1,320	1,359	
261	70.	53	40	Employee Benefits Budget Health Insurance	2,232	Benefits	2,299	2,368	2,439	2,513	2,588	2,666	2,746	2,828	2,913	3,000	
262	70.	53	50	Employee Benefits Budget Uniform Allowance	39	General	40	41	42	43	44	45	46	48	49	50	
263	70.	60		Operations & Maintenance Budget	25,000	General	25,575	26,163	26,765	27,381	28,010	28,711	29,428	30,164	30,918	31,691	
264	70.	62	20	Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
265	70.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-	






City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Municipal Solid Waste Financial Forecast																	
Test Year Based on <b>2016 Budget</b>																	
Line No.	Department	Account Code	Detailed Account Code	Account Name	Test Year	Inflation Factor	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Notes/ Source
							FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	
266	70.	63		20 Outside Services Advertising	-	General	-	-	-	-	-	-	-	-	-	-	
267	70.	63		30 Outside Services Non-Professional Services	-	General	-	-	-	-	-	-	-	-	-	-	
268	70.	65		30 Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-	
269	<b>Subtotal Recycling Bailing</b>				\$		\$		\$		\$		\$		\$		
					39,097		40,095	41,118	42,168	43,246	44,351	45,542	46,764	48,020	49,309	50,634	
270																	
271	<b>Recycling Maintenance</b>																
272	70.	51		10 Personnel Services Full-Time Salaries	\$ 705	Salaries	\$ 727	\$ 748	\$ 771	\$ 794	\$ 818	\$ 842	\$ 868	\$ 894	\$ 920	\$ 948	
273	70.	51		20 Personnel Services Part-time Salaries	2,823	Salaries	2,907	2,994	3,084	3,177	3,272	3,370	3,471	3,576	3,683	3,793	
274	70.	51		10 Premium Pay Shift Differential Full-time	2	Salaries	2	2	2	2	2	3	3	3	3	3	
275	70.	52		30 Premium Pay Full-time Overtime	3	Salaries	3	4	4	4	4	4	4	4	4	5	
276	70.	52		40 Premium Pay Part-time Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-	
277	70.	53		10 Employee Benefits Budget Federal Taxes	271	Benefits	279	288	296	305	314	324	333	343	354	364	
278	70.	53		20 Employee Benefits Budget Worker Compensation	125	Benefits	129	133	137	141	145	149	154	158	163	168	
279	70.	53		30 Employee Benefits Budget Retirement	113	Benefits	116	120	123	127	131	135	139	143	147	152	
280	70.	53		40 Employee Benefits Budget Health Insurance	388	Benefits	399	411	424	436	449	463	477	491	506	521	
281	70.	53		50 Employee Benefits Budget Uniform Allowance	4	Benefits	5	5	5	5	5	5	5	6	6	6	
282	70.	60		Operations & Maintenance Budget	9,693	Benefits	9,984	10,283	10,592	10,910	11,237	11,574	11,921	12,279	12,647	13,027	
283	70.	62		20 Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
284	70.	62		50 Supplies Fleet Maintenance & Supplies	-	Equip Fuel	-	-	-	-	-	-	-	-	-	-	
285	70.	62		60 Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-	
286	70.	51		10 Personnel Services Full-Time Salaries	15,411	Salaries	15,873	16,349	16,840	17,345	17,865	18,401	18,953	19,522	20,107	20,711	
287	70.	51		20 Personnel Services Part-time Salaries	1,177	Salaries	1,213	1,249	1,286	1,325	1,365	1,406	1,448	1,491	1,536	1,582	
288	70.	51		30 Personnel Services Seasonal Salaries	-	Salaries	-	-	-	-	-	-	-	-	-	-	
289	70.	52		10 Premium Pay Shift Differential Full-time	18	Salaries	19	20	20	21	21	22	23	23	24	25	
290	70.	52		20 Premium Pay Shift Differential Part-time	-	Salaries	-	-	-	-	-	-	-	-	-	-	
291	70.	52		30 Premium Pay Full-time Overtime	49	Salaries	50	52	53	55	57	58	60	62	64	66	
292	70.	52		40 Premium Pay Part-time Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-	
293	70.	53		10 Employee Benefits Budget Federal Taxes	1,281	Benefits	1,319	1,359	1,400	1,442	1,485	1,529	1,575	1,622	1,671	1,721	
294	70.	53		20 Employee Benefits Budget Worker Compensation	590	Benefits	608	626	645	664	684	704	726	747	770	793	
295	70.	53		30 Employee Benefits Budget Retirement	2,457	Benefits	2,531	2,607	2,685	2,765	2,848	2,934	3,022	3,112	3,206	3,302	
296	70.	53		40 Employee Benefits Budget Health Insurance	4,180	Benefits	4,305	4,435	4,568	4,705	4,846	4,991	5,141	5,295	5,454	5,618	
297	70.	53		50 Employee Benefits Budget Uniform Allowance	88	Benefits	90	93	96	99	102	105	108	111	115	118	
298	70.	60		Operations & Maintenance Budget	479	General	490	501	513	525	537	550	564	578	592	607	
299	70.	68		10 Other Services & Charges Subscriptions, Memberships, Dues	-	General	-	-	-	-	-	-	-	-	-	-	
300	70.	70		Capital Asset Purchase	-	Equipment C	-	-	-	-	-	-	-	-	-	-	
301	<b>Subtotal Recycling Maintenance</b>				\$		\$		\$		\$		\$		\$		
					39,857		41,050	42,278	43,543	44,845	46,187	47,570	48,994	50,461	51,972	53,528	
302																	
303	<b>Recycling Sorting</b>																
304	70.	51		10 Personnel Services Full-Time Salaries	\$ 110	Salaries	\$ 113	\$ 117	\$ 120	\$ 124	\$ 127	\$ 131	\$ 135	\$ 139	\$ 143	\$ 148	
305	70.	51		20 Personnel Services Part-time Salaries	4,842	Salaries	4,987	5,137	5,291	5,449	5,613	5,781	5,955	6,133	6,317	6,507	
306	70.	51		30 Personnel Services Seasonal Salaries	1,099	Salaries	1,131	1,165	1,200	1,236	1,273	1,312	1,351	1,392	1,433	1,476	
307	70.	52		10 Premium Pay Shift Differential Full-time	-	Salaries	-	-	-	-	-	-	-	-	-	-	
308	70.	52		30 Premium Pay Full-time Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-	
309	70.	52		40 Premium Pay Part-time Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-	
310	70.	52		50 Premium Pay Seasonal Overtime	-	Salaries	-	-	-	-	-	-	-	-	-	-	
311	70.	53		10 Employee Benefits Budget Federal Taxes	464	Benefits	478	492	507	522	538	554	570	588	605	623	
312	70.	53		20 Employee Benefits Budget Worker Compensation	212	Benefits	219	225	232	239	246	254	261	269	277	285	
313	70.	53		30 Employee Benefits Budget Retirement	18	Benefits	18	19	19	20	20	21	22	22	23	24	
314	70.	53		40 Employee Benefits Budget Health Insurance	18	Benefits	19	19	20	20	21	22	22	23	24	24	
315	70.	53		50 Employee Benefits Budget Uniform Allowance	1	General	1	1	1	1	1	1	1	1	1	1	
316	70.	60		Operations & Maintenance Budget	479	General	490	501	513	525	537	550	564	578	592	607	
317	70.	62		10 Supplies Office Supplies	-	General	-	-	-	-	-	-	-	-	-	-	
318	70.	62		20 Supplies Tech/General Supplies	-	General	-	-	-	-	-	-	-	-	-	-	



City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Municipal Solid Waste Financial Forecast																
Test Year Based on				2016 Budget	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Notes/ Source	
Line No.	Department	Account Code	Detailed Account Code	Account Name	Test Year	Inflation Factor	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
319	70.	62	60	Supplies Operational Maintenance & Repair	-	General	-	-	-	-	-	-	-	-	-	-
320	<b>Subtotal Recycling Sorting</b>				\$ 7,242		\$ 7,456	\$ 7,676	\$ 7,903	\$ 8,136	\$ 8,377	\$ 8,625	\$ 8,881	\$ 9,145	\$ 9,416	\$ 9,696
321																
322	<b>Solid Waste Transfer Station</b>															
323	70.	51	10	Personnel Services Full-Time Salaries	\$ 16,608	Salaries	\$ 17,106	\$ 17,619	\$ 18,147	\$ 18,692	\$ 19,253	\$ 19,830	\$ 20,425	\$ 21,038	\$ 21,669	\$ 22,319
324	70.	51	20	Personnel Services Part-time Salaries	-	Salaries	-	-	-	-	-	-	-	-	-	-
325	70.	52	10	Premium Pay Shift Differential Full-time	13	Salaries	13	14	14	15	15	16	16	16	17	17
326	70.	52	30	Premium Pay Full-time Overtime	54	Salaries	55	57	59	61	62	64	66	68	70	72
327	70.	53		Employee Benefits Budget	-	Benefits	-	-	-	-	-	-	-	-	-	-
328	70.	53	10	Employee Benefits Budget Federal Taxes	1,281	Benefits	1,320	1,359	1,400	1,442	1,485	1,530	1,576	1,623	1,672	1,722
329	70.	53	20	Employee Benefits Budget Worker Compensation	590	Benefits	608	626	645	664	684	705	726	748	770	793
330	70.	53	30	Employee Benefits Budget Retirement	2,646	Benefits	2,726	2,807	2,892	2,978	3,068	3,160	3,255	3,352	3,453	3,556
331	70.	53	40	Employee Benefits Budget Health Insurance	3,752	Benefits	3,865	3,981	4,100	4,223	4,350	4,480	4,615	4,753	4,896	5,043
332	70.	53	50	Employee Benefits Budget Uniform Allowance	78	General	79	81	83	85	87	89	91	94	96	98
333	70.	60		Operations & Maintenance Budget	17,500	General	17,903	18,314	18,735	19,166	19,607	20,097	20,600	21,115	21,643	22,184
334	70.	62	50	Supplies Fleet Maintenance & Supplies	-	Equip Fuel	-	-	-	-	-	-	-	-	-	-
335	70.	65	20	Training, Travel & Meals Training - Employees	-	General	-	-	-	-	-	-	-	-	-	-
336	70.	65	30	Training, Travel & Meals Travel & Meals	-	General	-	-	-	-	-	-	-	-	-	-
337				Transfer Station Operation Costs	-	General	-	350,000	358,050	366,285	374,710	384,077	393,679	403,521	413,609	423,950 A
338	<b>Subtotal Solid Waste Transfer Station</b>				\$ 42,522		\$ 43,674	\$ 394,859	\$ 404,126	\$ 413,611	\$ 423,321	\$ 434,049	\$ 445,049	\$ 456,328	\$ 467,894	\$ 479,755
339																
340	<b>Total Projected Disposal Cost</b>						-	604,532	622,668	644,554	667,211	687,310	708,015	729,344	751,316	773,949
341																
342																
343	<b>Recycling Expense (535)</b>				-	General	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
344																
345	<b>Transfers</b>															
346	70.		9900	Transfers Out To General Fund	\$ 402,400	General	\$ 411,655	\$ 421,123	\$ 430,809	\$ 440,718	\$ 450,854	\$ 462,126	\$ 473,679	\$ 485,521	\$ 497,659	\$ 510,100
347	70.		9940	Pay-As-You-Go (PAYG)	-	None	-	-	-	-	-	-	-	-	-	-
348	70.		9950	Transfers Out To Risk Management Fund	4,500	Insurance	4,635	4,774	4,917	5,065	5,217	5,373	5,534	5,700	5,871	6,048
349				Transfers Out to Rolling Stock Equipment Replacement	-	Equipment C	-	228,700	233,274	237,939	242,698	247,552	252,503	257,553	262,704	267,959
350				Transfers Out to Unrestricted Reserve	-	None	-	-	-	-	-	-	-	-	-	-
351	<b>Subtotal Transfers</b>				\$ 406,900		\$ 416,290	\$ 654,597	\$ 669,000	\$ 683,722	\$ 698,769	\$ 715,051	\$ 731,716	\$ 748,774	\$ 766,235	\$ 784,106
352																
353	<b>Debt</b>				25,000	None	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
354																
355	<b>Total Solid Waste Expenses</b>				\$ 1,675,765		\$ 1,819,233	\$ 2,506,619	\$ 2,571,093	\$ 2,618,686	\$ 2,678,191	\$ 2,749,387	\$ 2,822,541	\$ 2,897,707	\$ 2,974,941	\$ 3,054,300

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Municipal Solid Waste Financial Forecast																	
					Test Year Based on		2016 Budget										
Line No.	Department	Account Code	Detailed Account Code	Account Name	Test Year	Inflation Factor	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Notes/ Source
							FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	
356																	
357	<b>Revenues</b>																
358	70.		4410	Charges for Services Rendered	\$ -	None	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
359	70.		4430	Additional Service Charges	-	None	-	-	-	-	-	-	-	-	-	-	-
360	70.		4440	Specialized Service Fees	-	None	-	-	-	-	-	-	-	-	-	-	-
361	70.		4610	Miscellaneous	(3,000)	None	(3,000)	(3,000)	(3,000)	(3,000)	(3,000)	(3,000)	(3,000)	(3,000)	(3,000)	(3,000)	(3,000)
362	70.		4661	Interest Income	(4,700)	None	(4,700)	(4,700)	(4,700)	(4,700)	(4,700)	(4,700)	(4,700)	(4,700)	(4,700)	(4,700)	(4,700)
363	70.		4710	Property, Equipment & Land Sales	(4,000)	None	(4,000)	(4,000)	(4,000)	(4,000)	(4,000)	(4,000)	(4,000)	(4,000)	(4,000)	(4,000)	(4,000)
364	70.		4810	Grants	-	None	-	-	-	-	-	-	-	-	-	-	-
365	70.	530	4680	Donations	-	None	-	-	-	-	-	-	-	-	-	-	-
366				Transfer Station Gate Revenues	-	None	-	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)	(100,000) C
367	<b>Total Revenues</b>					\$ (11,700)		\$ (11,700)	\$ (111,700)	\$ (111,700)	\$ (111,700)	\$ (111,700)	\$ (111,700)	\$ (111,700)	\$ (111,700)	\$ (111,700)	\$ (111,700)
368																	
369	<b>Solid Waste Revenue Requirement</b>					\$ 1,664,065		\$ 1,807,533	\$ 2,394,919	\$ 2,459,393	\$ 2,506,986	\$ 2,566,491	\$ 2,637,687	\$ 2,710,841	\$ 2,786,007	\$ 2,863,241	\$ 2,942,600
370																	
371																	
372	<b>Solid Waste Forecasted Rate Revenue</b>							\$ 2,100,000	\$ 2,126,584	\$ 2,357,464	\$ 2,593,231	\$ 2,703,241	\$ 2,719,745	\$ 2,719,745	\$ 2,802,691	\$ 2,802,691	\$ 2,802,691 D
373	<b>Over/(Under) Recovery</b>							\$ 292,467	\$ (268,335)	\$ (101,929)	\$ 86,245	\$ 136,750	\$ 82,058	\$ 8,904	\$ 16,684	\$ (60,550)	\$ (139,909)
374	<b>Cumulative Over/(Under) Recovery</b>							\$ 292,467	\$ 24,132	\$ (77,798)	\$ 8,447	\$ 145,197	\$ 227,255	\$ 236,159	\$ 252,842	\$ 192,292	\$ 52,383

NOTES:

- A. Landfill expenses for FY 2017 have been reallocated to Line 337 - Transfer Station Operation Costs for FY 2018 through FY 2026, per City Staff.
- B. Transfer to respective utility reserve to accumulate funds for future needs.
- C. Expected revenues from nominal gate fees once the transfer station is operational.
- D. Municipal Solid Waste forecasted rate revenue for FY 2017 provided by City Staff on December 28, 2016.

City of Green River, Wyoming  
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City of Green River, Wyoming  
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Capital Improvement Program



Line No.	Project Description	Application	Source Document	Fiscal Year											10 Year Total
				2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
<b>1 Solid Waste</b>															
2	Transfer Station	Total Funding	SD-3	\$ -	\$ 3,975,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,975,000
		Grant			3,475,000										3,475,000
		Debt													-
		State Revolving Funding			500,000										500,000
		SW Reserves													-
		Use of Funds (Cash Flow)		\$ -	\$ 3,975,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,975,000
3	Landfill Closure	Total Funding		\$ -	\$ 1,100,000	\$ 1,100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,200,000
		Grant													-
		Debt													-
		State Revolving Funding													-
		Landfill Closure Reserves			1,100,000	1,100,000									2,200,000
		Use of Funds (Cash Flow)		\$ -	\$ 1,100,000	\$ 1,100,000									\$ 2,200,000
<b>4 Subtotal Solid Waste</b>				\$ -	\$ 5,075,000	\$ 1,100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,175,000
		Grant		-	3,475,000	-	-	-	-	-	-	-	-	-	3,475,000
		Debt		-	-	-	-	-	-	-	-	-	-	-	-
		State Revolving Funding		-	500,000	-	-	-	-	-	-	-	-	-	500,000
		SW Reserves		-	-	-	-	-	-	-	-	-	-	-	-
		Landfill Closure Reserves		-	1,100,000	1,100,000	-	-	-	-	-	-	-	-	2,200,000
<b>5 Water</b>															
6	WYDOT Urban Systems Project Support - Water Spot Improvements	Total Funding	SD-3	\$ 332,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 332,000
		Grant													-
		Debt													-
		State Revolving Funding													-
		Water Reserves		332,000											332,000
		Use of Funds (Cash Flow)		\$ 332,000											\$ 332,000
7	Meter Automation	Total Funding	SD-3	\$ 180,000	\$ 180,000	\$ 360,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 720,000
		Grant													-
		Debt													-
		State Revolving Funding													-
		Water Reserves		180,000	180,000	360,000									720,000
		Use of Funds (Cash Flow)		\$ 180,000	\$ 180,000	\$ 360,000									\$ 720,000
8	Hitching Post Water Replacement - Monroe to Shoshone	Total Funding	SD-3	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000
		Grant													-
		Debt													-
		State Revolving Funding													-
		Water Reserves			400,000										400,000
		Use of Funds (Cash Flow)		\$ -	\$ 400,000										\$ 400,000

City of Green River, Wyoming  
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City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Capital Improvement Program				Fiscal Year												10 Year Total	
Line No.	Project Description	Application	Source Document	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	10 Year Total		
9	Recoat Teton Tank	Total Funding	SD-3	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000		
		Grant														-	
		Debt															-
		State Revolving Funding															-
		Water Reserves					200,000										200,000
	Use of Funds (Cash Flow)				\$ 200,000										\$ 200,000		
10	Cast Iron Water Replacement Phase 1	Total Funding	SD-3	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ -	\$ -	\$ 2,000,000		
		Grant														-	
		Debt														-	
		State Revolving Funding														-	
		Water Reserves				500,000	500,000	500,000	500,000							2,000,000	
	Use of Funds (Cash Flow)				\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ -	\$ -	\$ 2,000,000			
11	<b>Subtotal Water</b>	Total Funding		\$ 512,000	\$ 580,000	\$ 560,000	\$ 500,000	\$ -	\$ 500,000	\$ -	\$ 500,000	\$ -	\$ 500,000	\$ -	\$ 3,652,000		
		Grant		-	-	-	-	-	-	-	-	-	-	-	-	-	
		Debt		-	-	-	-	-	-	-	-	-	-	-	-	-	
		State Revolving Funding		-	-	-	-	-	-	-	-	-	-	-	-	-	
		Water Reserves		512,000	580,000	560,000	500,000	-	500,000	-	500,000	-	500,000	-	-	3,652,000	
<b>12 Wastewater</b>																	
13	WYDOT Urban Systems Project Support - Sewer Spot Improvements	Total Funding	SD-3	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000		
		Grant														-	
		Debt														-	
		State Revolving Funding														-	
		WW Reserves				25,000											25,000
	Use of Funds (Cash Flow)				\$ 25,000										\$ 25,000		
14	Northside Lift Station & Force Main Replacement - Design	Total Funding	SD-3	\$ 156,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 156,000		
		Grant														-	
		Debt														-	
		State Revolving Funding														-	
		WW Reserves				156,000											156,000
	Use of Funds (Cash Flow)				\$ 156,000										\$ 156,000		
15	Northside Lift Station & Force Main Replacement - Construction	Total Funding	SD-3	\$ -	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,300,000		
		Grant			1,300,000											1,300,000	
		Debt														-	
		State Revolving Funding														-	
		WW Reserves														-	
	Use of Funds (Cash Flow)			\$ 1,300,000											\$ 1,300,000		

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City of Green River, Wyoming  
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Line No.	Project Description	Application	Source Document	Fiscal Year												10 Year Total
				2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026		
16	Hutton & Collier Lift Station Replacement - Construction	Total Funding	SD-3	\$ 625,520	\$ 229,480	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 855,000
		Grant		351,745												351,745
		Debt														-
		State Revolving Funding		273,775												273,775
		WW Reserves			229,480											229,480
	Use of Funds (Cash Flow)			\$ 530,000	\$ 325,000										\$ 855,000	
17	WWTP Design Phase	Total Funding	SD-3	\$ -	\$ 1,200,000	\$ 1,200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,400,000
		Grant														-
		Debt														-
		State Revolving Funding			1,200,000	1,200,000										2,400,000
		WW Reserves														-
	Use of Funds (Cash Flow)			\$ 1,200,000	\$ 1,200,000										\$ 2,400,000	
18	Manhole Rehabilitation Project	Total Funding	SD-3	\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000
		Grant														-
		Debt														-
		State Revolving Funding														-
		WW Reserves			35,000											35,000
	Use of Funds (Cash Flow)			\$ 35,000											\$ 35,000	
19	West End (Underpass) Sewer Replacement	Total Funding	SD-3	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
		Grant														-
		Debt														-
		State Revolving Funding														-
		WW Reserves			300,000											300,000
	Use of Funds (Cash Flow)			\$ 300,000											\$ 300,000	
20	Clay Tile Sewer Lining/Replacement	Total Funding	SD-3	\$ -	\$ -	\$ 500,000	\$ -	\$ 500,000	\$ -	\$ 500,000	\$ -	\$ 500,000	\$ -	\$ 500,000	\$ -	\$ 2,000,000
		Grant														-
		Debt														-
		State Revolving Funding														-
		WW Reserves			500,000		500,000		500,000		500,000		500,000		500,000	2,000,000
	Use of Funds (Cash Flow)			\$ 500,000		\$ 500,000		\$ 500,000		\$ 500,000		\$ 500,000		\$ 2,000,000		
21	WWTP Construction (Early Case)	Total Funding	SD-3	\$ -	\$ -	\$ -	\$ -	\$ 6,900,000	\$ 13,800,000	\$ 6,900,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,600,000
		Grant						1,725,000	3,450,000	1,725,000					6,900,000	
		Debt													-	
		State Revolving Funding						5,175,000	10,350,000	5,175,000					20,700,000	
		General Fund													-	
		WW Reserves													-	
	Use of Funds (Cash Flow)					\$ 6,900,000	\$ 13,800,000	\$ 6,900,000						\$ 27,600,000		

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Capital Improvement Program



Line No.	Project Description	Application	Source Document	Fiscal Year											10 Year Total
				2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
22	<b>Subtotal Wastewater</b>			\$ 806,520	\$ 3,064,480	\$ 1,700,000	\$ -	\$ 7,400,000	\$ 13,800,000	\$ 7,400,000	\$ -	\$ 500,000	\$ -	\$ -	\$ 34,671,000
		Grant		351,745	1,300,000	-	-	1,725,000	3,450,000	1,725,000	-	-	-	-	8,551,745
		Debt		-	-	-	-	-	-	-	-	-	-	-	-
		State Revolving Funding		273,775	1,200,000	1,200,000	-	5,175,000	10,350,000	5,175,000	-	-	-	-	23,373,775
		General Fund		-	-	-	-	-	-	-	-	-	-	-	
		WW Reserves		181,000	564,480	500,000	-	500,000	-	500,000	-	500,000	-	2,745,480	
26	<b>TOTAL CIP</b>			\$ 1,318,520	\$ 8,719,480	\$ 3,360,000	\$ 500,000	\$ 7,400,000	\$ 14,300,000	\$ 7,400,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ -	\$ 44,498,000
27	<b>Summary By Use</b>														
28	Solid Waste			\$ -	\$ 5,075,000	\$ 1,100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,175,000
29	Water			512,000	580,000	560,000	500,000	-	500,000	-	500,000	-	500,000	-	3,652,000
30	Wastewater			806,520	3,064,480	1,700,000	-	7,400,000	13,800,000	7,400,000	-	500,000	-	-	34,671,000
31	<b>TOTAL CIP</b>			\$ 1,318,520	\$ 8,719,480	\$ 3,360,000	\$ 500,000	\$ 7,400,000	\$ 14,300,000	\$ 7,400,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ -	\$ 44,498,000
32	<b>Summary by Funding Source</b>														
33	Grant			\$ 351,745	\$ 4,775,000	\$ -	\$ -	\$ 1,725,000	\$ 3,450,000	\$ 1,725,000	\$ -	\$ -	\$ -	\$ -	\$ 12,026,745
34	Debt			-	-	-	-	-	-	-	-	-	-	-	
35	State Revolving Funding			273,775	1,700,000	1,200,000	-	5,175,000	10,350,000	5,175,000	-	-	-	-	23,873,775
37	SW Reserves			-	-	-	-	-	-	-	-	-	-	-	
38	Landfill Closure Reserves			-	1,100,000	1,100,000	-	-	-	-	-	-	-	-	2,200,000
39	Water Reserves			512,000	580,000	560,000	500,000	-	500,000	-	500,000	-	500,000	-	3,652,000
40	WW Reserves			181,000	564,480	500,000	-	500,000	-	500,000	-	500,000	-	2,745,480	
41	<b>TOTAL CIP</b>			\$ 1,318,520	\$ 8,719,480	\$ 3,360,000	\$ 500,000	\$ 7,400,000	\$ 14,300,000	\$ 7,400,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ -	\$ 44,498,000

City of Green River, Wyoming  
Water, Wastewater, Stormwater, and Municipal  
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City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Rolling Stock				Cash Flow Purchases												10 Year Total		Annualized Costs
Line No.	Rolling Stock	Equipment Type	Source Document	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026				
<b>1 Solid Waste</b>																		
2	Automated Truck Replacement		SD-6	\$ -	\$ 250,000	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000	\$ 1,150,000	\$ 115,000		
3	Front Load Truck		SD-6	-	-	250,000	-	-	-	-	-	-	-	-	250,000	25,000		
4	Front Load (Back-up)		City Input	-	25,000	25,000	25,000	25,000	-	-	-	-	-	-	100,000	10,000		
5	Roll-Off		SD-6	-	-	-	-	-	200,000	-	-	-	-	-	200,000	20,000		
6	Backhoe Replacement		SD-6	-	-	-	-	-	-	-	-	200,000	-	-	200,000	20,000		
7	Container Replacement			20,000	115,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	295,000	29,500		
8	3/4 Ton Truck			-	-	-	46,000	-	-	-	-	46,000	-	-	92,000	9,200		
9	<b>Subtotal Solid Waste</b>			\$ 20,000	\$ 390,000	\$ 295,000	\$ 91,000	\$ 345,000	\$ 220,000	\$ 20,000	\$ 320,000	\$ 266,000	\$ 20,000	\$ 320,000	\$ 2,287,000	\$ 228,700		
<b>10 Water and Wastewater</b>																		
11	Vactor Truck Replacement		SD-6	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ 40,000		
12	Dump Truck Replacement		SD-6	-	-	-	-	-	-	-	-	150,000	-	-	150,000	15,000		
13	Backhoe Replacement		SD-6	-	-	-	-	-	180,000	-	-	-	-	-	180,000	18,000		
14	3/4 Ton Truck		SD-6	-	-	-	46,000	-	-	46,000	-	-	46,000	-	138,000	13,800		
15	1-1/2 Ton Service Truck Replacement		SD-6	-	-	-	-	70,000	-	-	-	-	-	-	70,000	7,000		
16	<b>Subtotal Water and Wastewater</b>			\$ -	\$ -	\$ 400,000	\$ 46,000	\$ 70,000	\$ 180,000	\$ 46,000	\$ -	\$ 150,000	\$ 46,000	\$ -	\$ 938,000	\$ 93,800		
<b>17 Stormwater</b>																		
18	<b>Subtotal Stormwater</b>			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
19	<b>Total Rolling Stock Cash Flow</b>			\$ 20,000	\$ 390,000	\$ 695,000	\$ 137,000	\$ 415,000	\$ 400,000	\$ 66,000	\$ 320,000	\$ 416,000	\$ 66,000	\$ 320,000	\$ 3,225,000	\$ 322,500		
<b>20 Annualized Capital Replacement <sup>(A)</sup></b>																		
21	Rolling Stock Beginning Balance				\$ (20,000)	\$ (410,000)	\$ (782,500)	\$ (590,550)	\$ (670,021)	\$ (727,781)	\$ (444,697)	\$ (408,631)	\$ (461,444)	\$ (156,992)				
22	Additions From																	
23	Solid Waste					\$ 228,700	\$ 233,274	\$ 237,939	\$ 242,698	\$ 247,552	\$ 252,503	\$ 257,553	\$ 262,704	\$ 267,959				
24	Water					46,900	47,838	48,795	49,771	50,766	51,781	52,817	53,873	54,951				
25	Wastewater					46,900	47,838	48,795	49,771	50,766	51,781	52,817	53,873	54,951				
26	Stormwater					-	-	-	-	-	-	-	-	-				
27	<b>Total Annual Capital Replacement</b>			\$ -	\$ (20,000)	\$ (87,500)	\$ (453,550)	\$ (255,021)	\$ (327,781)	\$ (378,697)	\$ (88,631)	\$ (45,444)	\$ (90,992)	\$ 220,868				
28	<b>Less Rolling Stock Spending</b>			\$ (20,000)	\$ (390,000)	\$ (695,000)	\$ (137,000)	\$ (415,000)	\$ (400,000)	\$ (66,000)	\$ (320,000)	\$ (416,000)	\$ (66,000)	\$ (320,000)				
29	<b>Cumulative Rolling Stock Replacement Reserve</b>			\$ (20,000)	\$ (410,000)	\$ (782,500)	\$ (590,550)	\$ (670,021)	\$ (727,781)	\$ (444,697)	\$ (408,631)	\$ (461,444)	\$ (156,992)	\$ (99,132)				

NOTES:

A. Begin funding through rates in FY 2018 (July 1, 2017).

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Debt Issues													
Line No.	Item	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	10 Year Forecast Total

**1 Issue 1 Allocation to: Hutton & Collier Lift Station Replacement - Construction**

<b>2 State Revolving Fund</b>													
3 Interest Rate		2.5%		Solid Waste		0.0%							
4 Term		20		Water		0.0%							
5 Issue Amount	\$	273,775		Wastewater		100.0%							
6 Date Issued		2016											

7 Term Number		1	2	3	4	5	6	7	8	9	10	11	
8 Principal	\$	10,718	\$ 10,985	\$ 11,260	\$ 11,542	\$ 11,830	\$ 12,126	\$ 12,429	\$ 12,740	\$ 13,058	\$ 13,385	\$ 13,719	\$ 123,074
9 Interest		6,844	6,576	6,302	6,020	5,732	5,436	5,133	4,822	4,504	4,177	3,843	52,545
10 Total Annual Expense	\$	17,562	\$ 17,562	\$ 17,562	\$ 17,562	\$ 17,562	\$ 17,562	\$ 17,562	\$ 17,562	\$ 17,562	\$ 17,562	\$ 17,562	\$ 175,619
11 Solid Waste	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12 Water		-	-	-	-	-	-	-	-	-	-	-	-
13 Wastewater		17,562	17,562	17,562	17,562	17,562	17,562	17,562	17,562	17,562	17,562	17,562	175,619
14 Total Annual Expense	\$	17,562	\$ 17,562	\$ 17,562	\$ 17,562	\$ 17,562	\$ 17,562	\$ 17,562	\$ 17,562	\$ 17,562	\$ 17,562	\$ 17,562	\$ 175,619

**15 Issue 2 Allocation to: Transfer Station**

<b>16 State Revolving Fund</b>													
17 Interest Rate		0.0%		Solid Waste		100.0%							
18 Term		20		Water		0.0%							
19 Issue Amount	\$	500,000		Wastewater		0.0%							
20 Date Issued		2017											

21 Term Number		0	1	2	3	4	5	6	7	8	9	10	
22 Principal	\$	-	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 250,000
23 Interest		-	-	-	-	-	-	-	-	-	-	-	-
24 Total Annual Expense	\$	-	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 250,000
25 Solid Waste	\$	-	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 250,000
26 Water		-	-	-	-	-	-	-	-	-	-	-	-
27 Wastewater		-	-	-	-	-	-	-	-	-	-	-	-
28 Total Annual Expense	\$	-	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 250,000



City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
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City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design  
 Debt Issues



Line No.	Item	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	10 Year Forecast Total
15	<b>Issue 3</b>	<b>Allocation to: WWTP Design</b>											
29	<b>State Revolving Fund</b>												
30	Interest Rate	2.5%		Solid Waste	0.0%								
31	Term	20		Water	0.0%								
32	Issue Amount	\$ 1,200,000		Wastewater	100.0%								
33	Date Issued	2017											
34	Term Number	0	1	2	3	4	5	6	7	8	9	10	
35	Principal	\$ -	\$ 46,977	\$ 48,151	\$ 49,355	\$ 50,589	\$ 51,853	\$ 53,150	\$ 54,478	\$ 55,840	\$ 57,236	\$ 58,667	\$ 526,296
36	Interest	-	30,000	28,826	27,622	26,388	25,123	23,827	22,498	21,136	19,740	18,309	243,469
37	Total Annual Expense	\$ -	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 769,766
38	Solid Waste	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
39	Water	-	-	-	-	-	-	-	-	-	-	-	-
40	Wastewater	-	76,977	76,977	76,977	76,977	76,977	76,977	76,977	76,977	76,977	76,977	769,766
41	Total Annual Expense	\$ -	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 769,766
42	<b>Issue 4</b>	<b>Allocation to: WWTP Design</b>											
43	<b>State Revolving Fund</b>												
44	Interest Rate	2.5%		Solid Waste	0.0%								
45	Term	20		Water	0.0%								
46	Issue Amount	\$ 1,200,000		Wastewater	100.0%								
47	Date Issued	2018											
48	Term Number	0	0	1	2	3	4	5	6	7	8	9	
49	Principal	\$ -	\$ -	\$ 46,977	\$ 48,151	\$ 49,355	\$ 50,589	\$ 51,853	\$ 53,150	\$ 54,478	\$ 55,840	\$ 57,236	\$ 467,629
50	Interest	-	-	30,000	28,826	27,622	26,388	25,123	23,827	22,498	21,136	19,740	225,160
51	Total Annual Expense	\$ -	\$ -	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 692,789
52	Solid Waste	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
53	Water	-	-	-	-	-	-	-	-	-	-	-	-
54	Wastewater	-	-	76,977	76,977	76,977	76,977	76,977	76,977	76,977	76,977	76,977	692,789
55	Total Annual Expense	\$ -	\$ -	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 76,977	\$ 692,789


City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design  
 Debt Issues



Line No.	Item	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	10 Year Forecast Total
56	<b>Issue 5</b>	<b>Allocation to: WWTP Construction</b>											
57	<b>State Revolving Fund</b>												
58	Interest Rate	2.5%					0.0%						
59	Term	30					0.0%						
60	Issue Amount	5,175,000					100.0%						
61	Date Issued	2020											
62	Term Number	0	0	0	0	1	2	3	4	5	6	7	
63	Principal	\$ -	\$ -	\$ -	\$ -	\$ 117,874	\$ 120,821	\$ 123,842	\$ 126,938	\$ 130,111	\$ 133,364	\$ 136,698	\$ 889,648
64	Interest	-	-	-	-	129,375	126,428	123,408	120,312	117,138	113,885	110,551	841,097
65	Total Annual Expense	\$ -	\$ -	\$ -	\$ -	\$ 247,249	\$ 247,249	\$ 247,249	\$ 247,249	\$ 247,249	\$ 247,249	\$ 247,249	\$ 1,730,745
66	Solid Waste	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
67	Water	-	-	-	-	-	-	-	-	-	-	-	-
68	Wastewater	-	-	-	-	247,249	247,249	247,249	247,249	247,249	247,249	247,249	1,730,745
69	Total Annual Expense	\$ -	\$ -	\$ -	\$ -	\$ 247,249	\$ 247,249	\$ 247,249	\$ 247,249	\$ 247,249	\$ 247,249	\$ 247,249	\$ 1,730,745
70	<b>Issue 6</b>	<b>Allocation to: WWTP Construction</b>											
71	<b>State Revolving Fund</b>												
72	Interest Rate	2.5%					0.0%						
73	Term	30					0.0%						
74	Issue Amount	10,350,000					100.0%						
75	Date Issued	2021											
76	Term Number	0	0	0	0	0	1	2	3	4	5	6	
77	Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 235,749	\$ 241,642	\$ 247,683	\$ 253,875	\$ 260,222	\$ 266,728	\$ 1,505,900
78	Interest	-	-	-	-	-	258,750	252,856	246,815	240,623	234,276	227,771	1,461,092
79	Total Annual Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 494,499	\$ 494,499	\$ 494,499	\$ 494,499	\$ 494,499	\$ 494,499	\$ 2,966,991
80	Solid Waste	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
81	Water	-	-	-	-	-	-	-	-	-	-	-	-
82	Wastewater	-	-	-	-	-	494,499	494,499	494,499	494,499	494,499	494,499	2,966,991
83	Total Annual Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 494,499	\$ 494,499	\$ 494,499	\$ 494,499	\$ 494,499	\$ 494,499	\$ 2,966,991

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
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City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Debt Issues														
Line No.	Item	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	10 Year Forecast Total	
84	<b>Issue 7</b>	<b>Allocation to:</b>						<b>WWTP Construction</b>						
85	<b>State Revolving Fund</b>													
86	Interest Rate	2.5%	Solid Waste			0.0%								
87	Term	30	Water			0.0%								
88	Issue Amount	5,175,000	Wastewater			100.0%								
89	Date Issued	2022												
90	Term Number	0	0	0	0	0	0	1	2	3	4	5		
91	Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 117,874	\$ 120,821	\$ 123,842	\$ 126,938	\$ 130,111	\$ 619,586	
92	Interest	-	-	-	-	-	-	129,375	126,428	123,408	120,312	117,138	616,660	
93	<b>Total Annual Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 247,249</b>	<b>\$ 247,249</b>	<b>\$ 247,249</b>	<b>\$ 247,249</b>	<b>\$ 247,249</b>	<b>\$ 1,236,246</b>	
94	Solid Waste	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
95	Water	-	-	-	-	-	-	-	-	-	-	-	-	
96	Wastewater	-	-	-	-	-	-	247,249	247,249	247,249	247,249	247,249	1,236,246	
97	<b>Total Annual Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 247,249</b>	<b>\$ 247,249</b>	<b>\$ 247,249</b>	<b>\$ 247,249</b>	<b>\$ 247,249</b>	<b>\$ 1,236,246</b>	
98	<b>Debt IssuesTotal</b>													
99	Principal	\$ 10,718	\$ 82,962	\$ 131,388	\$ 134,047	\$ 254,648	\$ 496,138	\$ 625,790	\$ 640,810	\$ 656,205	\$ 671,985	\$ 688,160	\$ 4,382,133	
100	Interest	6,844	36,576	65,127	62,468	189,117	442,125	559,722	544,702	529,307	513,527	497,352	3,440,023	
101	<b>Total Annual Debt Service</b>	<b>\$ 17,562</b>	<b>\$ 119,538</b>	<b>\$ 196,515</b>	<b>\$ 196,515</b>	<b>\$ 443,764</b>	<b>\$ 938,263</b>	<b>\$ 1,185,512</b>	<b>\$ 1,185,512</b>	<b>\$ 1,185,512</b>	<b>\$ 1,185,512</b>	<b>\$ 1,185,512</b>	<b>\$ 7,822,156</b>	
102	Solid Waste	\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 250,000	
103	Water	-	-	-	-	-	-	-	-	-	-	-	-	
104	Wastewater	17,562	94,538	171,515	171,515	418,764	913,263	1,160,512	1,160,512	1,160,512	1,160,512	1,160,512	7,572,156	
105	<b>Total Annual Debt Service</b>	<b>\$ 17,562</b>	<b>\$ 119,538</b>	<b>\$ 196,515</b>	<b>\$ 196,515</b>	<b>\$ 443,764</b>	<b>\$ 938,263</b>	<b>\$ 1,185,512</b>	<b>\$ 1,185,512</b>	<b>\$ 1,185,512</b>	<b>\$ 1,185,512</b>	<b>\$ 1,185,512</b>	<b>\$ 7,822,156</b>	

City of Green River, Wyoming  
Water, Wastewater, Stormwater, and Municipal  
Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming											
Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design											
Reserves											
	Test Year	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Starting Balance Solid Waste Reserve <sup>(A)</sup></b>		\$ 1,332,315	\$ 1,234,782	\$ 900,147	\$ 940,491	\$ 919,675	\$ 1,079,124	\$ 1,388,734	\$ 1,330,141	\$ 1,338,378	\$ 1,520,532
Additions:											
Transfer To Unrestricted Reserve From Rates		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rolling Stock Contribution from Rates		-	228,700	233,274	237,939	242,698	247,552	252,503	257,553	262,704	267,959
Solid Waste Utility Over Recovery		292,467	-	-	86,245	136,750	82,058	8,904	16,684	-	-
Subtotal Additions to Reserve		\$ 292,467	\$ 228,700	\$ 233,274	\$ 324,184	\$ 379,448	\$ 329,610	\$ 261,407	\$ 274,237	\$ 262,704	\$ 267,959
Uses:											
Capital Projects Funded From Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rolling Stock	20,000	390,000	295,000	91,000	345,000	220,000	20,000	320,000	266,000	20,000	320,000
Solid Waste Utility Under Recovery	-	-	268,335	101,929	-	-	-	-	-	60,550	139,909
Subtotal Uses of Reserve		\$ 390,000	\$ 563,335	\$ 192,929	\$ 345,000	\$ 220,000	\$ 20,000	\$ 320,000	\$ 266,000	\$ 80,550	\$ 459,909
<b>Ending Balance Solid Waste Reserve</b>		<b>\$ 1,332,315</b>	<b>\$ 1,234,782</b>	<b>\$ 900,147</b>	<b>\$ 940,491</b>	<b>\$ 919,675</b>	<b>\$ 1,079,124</b>	<b>\$ 1,388,734</b>	<b>\$ 1,330,141</b>	<b>\$ 1,338,378</b>	<b>\$ 1,520,532</b>
<b>Target Balance</b>		<b>\$ 310,966</b>	<b>\$ 344,486</b>	<b>\$ 456,755</b>	<b>\$ 469,273</b>	<b>\$ 477,491</b>	<b>\$ 488,605</b>	<b>\$ 502,334</b>	<b>\$ 516,456</b>	<b>\$ 530,983</b>	<b>\$ 545,927</b>
<b>Meets Financial Target</b>		<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>
<b>Starting Balance Landfill Closure</b>		<b>\$ 2,100,000</b>	<b>\$ 1,100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
Additions:											
Transfer To Restricted Reserve From Rates		\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Additions to Reserve		\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Uses:											
Capital Projects Funded From Reserves	\$ -	\$ 1,100,000	\$ 1,100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Uses of Reserve		\$ 1,100,000	\$ 1,100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Ending Balance Solid Waste Reserve</b>		<b>\$ 2,100,000</b>	<b>\$ 1,100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming												
Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design												
Reserves												
	Test Year	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
<b>Starting Balance Water Reserve <sup>(B)</sup></b>	\$	-	\$ 3,577,850	\$ 3,235,221	\$ 2,789,320	\$ 2,511,345	\$ 2,826,431	\$ 2,528,905	\$ 2,832,503	\$ 2,588,365	\$ 2,779,931	\$ 2,447,729
Additions:												
Transfer To Unrestricted Reserve From Rates		\$ -	\$ 50,000	\$ 100,000	\$ 100,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000
Rolling Stock Contribution from Rates		-	46,900	47,838	48,795	49,771	50,766	51,781	52,817	53,873	-	-
Water Utility Over Recovery		237,371	217,199	97,186	201,291	117,703	150,832	79,080	88,749	11,924	-	-
Subtotal Additions to Reserve	\$	237,371	\$ 314,099	\$ 245,024	\$ 350,086	\$ 292,474	\$ 326,598	\$ 255,862	\$ 266,566	\$ 190,798	\$ 125,000	
Uses:												
Capital Projects Funded From Reserves	\$	512,000	\$ 580,000	\$ 560,000	\$ 500,000	\$ -	\$ 500,000	\$ -	\$ 500,000	\$ -	\$ 500,000	\$ -
Rolling Stock		-	-	200,000	23,000	35,000	90,000	23,000	-	75,000	23,000	-
Water Utility Under Recovery		-	-	-	-	-	-	-	-	-	-	12,832
Subtotal Uses of Reserve	\$	580,000	\$ 760,000	\$ 523,000	\$ 35,000	\$ 590,000	\$ 23,000	\$ 500,000	\$ 75,000	\$ 523,000	\$ 12,832	
<b>Ending Balance Water Reserve</b>	\$	<b>3,577,850</b>	\$ <b>3,235,221</b>	\$ <b>2,789,320</b>	\$ <b>2,511,345</b>	\$ <b>2,826,431</b>	\$ <b>2,528,905</b>	\$ <b>2,832,503</b>	\$ <b>2,588,365</b>	\$ <b>2,779,931</b>	\$ <b>2,447,729</b>	\$ <b>2,559,897</b>
<b>Target Balance</b>	\$	516,379	\$ 521,904	\$ 537,033	\$ 552,603	\$ 564,975	\$ 581,221	\$ 600,050	\$ 619,497	\$ 639,583	\$ 660,328	\$ 681,755
<b>Meets Financial Target</b>		<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>
<b>Starting Balance Wastewater Reserve <sup>(C)</sup></b>	\$	2,331,218	\$ 1,924,364	\$ 1,457,355	\$ 1,806,321	\$ 1,587,780	\$ 1,510,591	\$ 931,749	\$ 1,095,362	\$ 809,086	\$ 1,050,040	
Additions:												
Transfer To Unrestricted Reserve From Rates		\$ -	\$ 50,000	\$ 100,000	\$ 100,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000
Rolling Stock Contribution from Rates		-	46,900	47,838	48,795	49,771	50,766	51,781	52,817	53,873	54,951	-
Wastewater Utility Over Recovery		157,626	136,091	224,128	167,664	-	-	-	110,907	85,080	58,217	-
Subtotal Additions to Reserve	\$	157,626	\$ 232,991	\$ 371,966	\$ 316,459	\$ 174,771	\$ 175,766	\$ 176,781	\$ 288,724	\$ 263,954	\$ 238,167	
Uses:												
Capital Projects Funded From Reserves	\$	181,000	\$ 564,480	\$ 500,000	\$ -	\$ 500,000	\$ -	\$ 500,000	\$ -	\$ 500,000	\$ -	\$ -
Rolling Stock		-	-	200,000	23,000	35,000	90,000	23,000	-	75,000	23,000	-
Wastewater Utility Under Recovery		-	-	-	-	161,959	231,609	13,168	-	-	-	-
Subtotal Uses of Reserve	\$	564,480	\$ 700,000	\$ 23,000	\$ 535,000	\$ 251,959	\$ 754,609	\$ 13,168	\$ 575,000	\$ 23,000	\$ -	
<b>Ending Balance Wastewater Reserve</b>	\$	<b>2,331,218</b>	\$ <b>1,924,364</b>	\$ <b>1,457,355</b>	\$ <b>1,806,321</b>	\$ <b>1,587,780</b>	\$ <b>1,510,591</b>	\$ <b>931,749</b>	\$ <b>1,095,362</b>	\$ <b>809,086</b>	\$ <b>1,050,040</b>	\$ <b>1,288,207</b>
<b>Target Balance</b>	\$	210,410	\$ 215,967	\$ 221,930	\$ 241,570	\$ 242,201	\$ 245,786	\$ 252,755	\$ 259,924	\$ 267,297	\$ 274,881	\$ 282,681
<b>Meets Financial Target</b>		<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>

City of Green River, Wyoming  
Water, Wastewater, Stormwater, and Municipal  
Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming											
Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design											
Reserves											
Test Year	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
<b>Starting Balance Stormwater Reserve <sup>(D)</sup></b>	\$ -	\$ -	\$ 2,047	\$ 97	\$ 21,076	\$ 38,764	\$ 41,679	\$ 41,107	\$ 50,712	\$ 56,637	
Additions:											
Transfer To Unrestricted Reserve From Rates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Rolling Stock Contribution from Rates	-	-	-	-	-	-	-	-	-	-	
Stormwater Utility Over Recovery	-	2,047	-	20,979	17,688	2,915	-	9,606	5,925	2,107	
Subtotal Additions to Reserve	\$ -	\$ 2,047	\$ -	\$ 20,979	\$ 17,688	\$ 2,915	\$ -	\$ 9,606	\$ 5,925	\$ 2,107	
Uses:											
Capital Projects Funded From Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Rolling Stock	-	-	-	-	-	-	-	-	-	-	
Stormwater Utility Under Recovery	-	-	1,950	-	-	-	573	-	-	-	
Subtotal Uses of Reserve	\$ -	\$ -	\$ 1,950	\$ -	\$ -	\$ -	\$ 573	\$ -	\$ -	\$ -	
<b>Ending Balance Stormwater Reserve</b>	\$ -	\$ 2,047	\$ 97	\$ 21,076	\$ 38,764	\$ 41,679	\$ 41,107	\$ 50,712	\$ 56,637	\$ 58,744	
Target Balance		\$ 40,056	\$ 41,055	\$ 42,084	\$ 43,143	\$ 50,489	\$ 51,617	\$ 52,779	\$ 53,975	\$ 55,206	
<b>Meets Financial Target</b>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

NOTES:


- A. As of November 10, 2016 - The estimated Solid Waste Reserve Balance was: Operating/Cash Flow \$518,000; Unrestricted \$814,315. Total \$1,332,315
- B. As of November 10, 2016 - The estimated Water Reserve Balance was: Operating/Cash Flow \$654,000; Unrestricted \$2,923,850. Total \$3,577,850
- C. As of November 10, 2016 - The estimated Wastewater Reserve Balance was: Operating/Cash Flow \$373,000; Unrestricted \$1,958,218. Total \$2,331,218
- D. Currently, there is no stormwater reserve.

City of Green River, Wyoming  
Water, Wastewater, Stormwater, and Municipal  
Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Proposed Water Rates	
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Line No.	Description	Current Rate	Year 1 2017	Year 2 2018	Year 3 2019	Year 4 2020	Year 5 2021	Year 6 2022	Year 7 2023	Year 8 2024	Year 9 2025	Year 10 2026
<b>1 Residential</b>												
<b>2 Meter Factors</b>												
3	3/4"		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4	1 "		1.33	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
5	1 1/2"		1.82	2.50	2.50	3.33	3.33	3.33	3.33	3.33	3.33	3.33
6	2"		2.32	3.50	3.50	5.33	5.33	5.33	5.33	5.33	5.33	5.33
7	3"		4.15	6.00	6.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
8	4"		6.76	10.00	10.00	16.67	16.67	16.67	16.67	16.67	16.67	16.67
9	6"		11.75	16.00	16.00	25.00	25.00	33.33	33.33	33.33	33.33	33.33
10	8"		20.75	30.00	30.00	40.00	40.00	53.33	53.33	53.33	53.33	53.33
<b>11 Proposed Rate</b>												
12	3/4"	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00
13	1 "	\$ 23.96	23.96	30.06	30.06	30.06	30.06	30.06	30.06	30.06	30.06	30.06
14	1 1/2"	\$ 32.76	32.76	45.00	45.00	59.94	59.94	59.94	59.94	59.94	59.94	59.94
15	2"	\$ 41.80	41.80	63.00	63.00	95.94	95.94	95.94	95.94	95.94	95.94	95.94
16	3"	\$ 74.62	74.62	108.00	108.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00
17	4"	\$ 121.69	121.69	180.00	180.00	300.06	300.06	300.06	300.06	300.06	300.06	300.06
18	6"	\$ 211.48	211.48	288.00	288.00	450.00	450.00	599.94	599.94	599.94	599.94	599.94
19	8"	\$ 373.54	373.54	540.00	540.00	720.00	720.00	959.94	959.94	959.94	959.94	959.94
<b>20 Volumetric Rate</b>												
<b>26 Proposed Rate</b>												
27	Tier 1	0-268 CF \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28	Tier 2	269-670 CF \$ 0.02376	\$ 0.02376	\$ 0.02138	\$ 0.02138	\$ 0.01818	\$ 0.01818	\$ 0.01818	\$ 0.01818	\$ 0.01818	\$ 0.01818	\$ 0.01818
29	Tier 3	671 CF + \$ 0.01506	\$ 0.01506	\$ 0.01657	\$ 0.01657	\$ 0.01822	\$ 0.01822	\$ 0.01922	\$ 0.01922	\$ 0.02022	\$ 0.02022	\$ 0.02022

City of Green River, Wyoming  
Water, Wastewater, Stormwater, and Municipal  
Solid Waste Cost of Service and Rate Design


City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Proposed Water Rates												
Line No.	Description	Current Rate	Year 1 2017	Year 2 2018	Year 3 2019	Year 4 2020	Year 5 2021	Year 6 2022	Year 7 2023	Year 8 2024	Year 9 2025	Year 10 2026
<b>30 Residential Sample Bill</b>												
31	3/4"	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00
32	Volume (Cubic Feet)	1,500										
33	Tier 1	268	-	-	-	-	-	-	-	-	-	-
34	Tier 2	402	9.55	8.59	8.59	7.31	7.31	7.31	7.31	7.31	7.31	7.31
35	Tier 3	830	12.50	13.75	13.75	15.12	15.12	15.95	15.95	16.78	16.78	16.78
36	Total Monthly Bill	\$ 40.05	\$ 40.05	\$ 40.35	\$ 40.35	\$ 40.43	\$ 40.43	\$ 41.26	\$ 41.26	\$ 42.09	\$ 42.09	\$ 42.09
37	Percent Change in Monthly Bill		0.0%	0.7%	0.0%	0.2%	0.0%	2.1%	0.0%	2.0%	0.0%	0.0%
<b>38 Commercial</b>												
<b>49 Meter Factors</b>												
50	3/4"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
51	1"	1.33	1.33	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
52	1 1/2"	1.82	1.82	2.50	2.50	3.33	3.33	3.33	3.33	3.33	3.33	3.33
53	2"	2.32	2.32	3.50	3.50	5.33	5.33	5.33	5.33	5.33	5.33	5.33
54	3"	4.15	4.15	6.00	6.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
55	4"	6.76	6.76	10.00	10.00	16.67	16.67	16.67	16.67	16.67	16.67	16.67
56	6"	11.75	11.75	16.00	16.00	25.00	25.00	33.33	33.33	33.33	33.33	33.33
57	8"	20.75	20.75	30.00	30.00	40.00	40.00	53.33	53.33	53.33	53.33	53.33
<b>58 Proposed Rate</b>												
59	3/4"	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00	\$ 18.00
60	1"	23.96	23.96	30.06	30.06	30.06	30.06	30.06	30.06	30.06	30.06	30.06
61	1 1/2"	32.76	32.76	45.00	45.00	59.94	59.94	59.94	59.94	59.94	59.94	59.94
62	2"	41.80	41.80	63.00	63.00	95.94	95.94	95.94	95.94	95.94	95.94	95.94
63	3"	74.62	74.62	108.00	108.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00
64	4"	121.69	121.69	180.00	180.00	300.06	300.06	300.06	300.06	300.06	300.06	300.06
65	6"	211.48	211.48	288.00	288.00	450.00	450.00	599.94	599.94	599.94	599.94	599.94
66	8"	373.54	373.54	540.00	540.00	720.00	720.00	959.94	959.94	959.94	959.94	959.94



City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Proposed Water Rates												
Line No.	Description	Current Rate	Year 1 2017	Year 2 2018	Year 3 2019	Year 4 2020	Year 5 2021	Year 6 2022	Year 7 2023	Year 8 2024	Year 9 2025	Year 10 2026
<b>67 Volumetric Rate</b>												
68	<b>Proposed Rate</b>	10%										
69	Tier 1	0-268 CF \$	-	-	-	-	-	-	-	-	-	-
70	Tier 2	269-670 CF \$	0.02991	0.02542	0.02542	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818	0.01818
71	Tier 3	671 CF+ \$	0.01517	0.01669	0.01669	0.01822	0.01822	0.01922	0.01922	0.02022	0.02022	0.02022
<b>72 Commercial Sample Bill</b>												
73	3/4"	\$	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
74	Volume (Cubic Feet)		9,200									
75	Tier 1	268	-	-	-	-	-	-	-	-	-	-
76	Tier 2	402	12.02	10.22	10.22	7.31	7.31	7.31	7.31	7.31	7.31	7.31
77	Tier 3	8,530	129.40	142.37	142.37	155.42	155.42	163.95	163.95	172.48	172.48	172.48
78	Total Monthly Bill	\$	159.42	170.58	170.58	180.72	180.72	189.25	189.25	197.78	197.78	197.78
79	Percent Change in Monthly Bill		0.0%	7.0%	0.0%	5.9%	0.0%	4.7%	0.0%	4.5%	0.0%	0.0%
<b>80 Construction</b>												
<b>81 Cost of Service</b>												
<b>84 Meter Factors</b>												
85	3/4"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
86	4"	6.76	6.76	10.00	10.00	16.67	16.67	16.67	16.67	16.67	16.67	16.67
<b>87 Proposed Rate</b>												
88	3/4"	\$	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
89	4"	121.69	121.69	180.00	180.00	300.06	300.06	300.06	300.06	300.06	300.06	300.06
<b>90 Construction Sample Bill</b>												
91	3/4"	\$	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
92	Total Monthly Bill	\$	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
93	Percent Change in Monthly Bill		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

City of Green River, Wyoming  
Water, Wastewater, Stormwater, and Municipal  
Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Proposed Water Rates												
Line No.	Description	Current Rate	Year 1 2017	Year 2 2018	Year 3 2019	Year 4 2020	Year 5 2021	Year 6 2022	Year 7 2023	Year 8 2024	Year 9 2025	Year 10 2026
<b>94 Hydrant</b>												
<b>95 Minimum Bill</b>												
96	Proposed Rate	\$ 107.00	\$ 107.00	\$ 125.00	\$ 125.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00
<b>97 Volumetric Rate</b>												
<b>98 Proposed Rate</b>												
99 Hydrant												
100	Tier 1	2,000 CF \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101	Tier 2	2,001 CF + \$ 0.06000	0.06000	0.06600	0.06600	0.07260	0.07260	0.07986	0.07986	0.07986	0.07986	0.07986
<b>102 Hydrant Sample Bill</b>												
103	Volume (Cubic Feet)	\$ 107.00	\$ 107.00	\$ 125.00	\$ 125.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00
104	Tier 1	2,000 -	-	-	-	-	-	-	-	-	-	-
105	Tier 2	2,000 120.00	120.00	132.00	132.00	145.20	145.20	159.72	159.72	159.72	159.72	159.72
106	Total Monthly Bill	\$ 227.00	\$ 227.00	\$ 257.00	\$ 257.00	\$ 295.20	\$ 295.20	\$ 309.72	\$ 309.72	\$ 309.72	\$ 309.72	\$ 309.72
107	Percent Change in Monthly Bill		0.0%	13.2%	0.0%	14.9%	0.0%	4.9%	0.0%	0.0%	0.0%	0.0%

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design  
 Proposed Wastewater Rates



Line No.	Description	Current Rate	Year 1 2017	Year 2 2018	Year 3 2019	Year 4 2020	Year 5 2021	Year 6 2022	Year 7 2023	Year 8 2024	Year 9 2025	Year 10 2026
<b>1 Residential</b>												
<b>2 Minimum Bill</b>												
<b>3 Proposed Rate</b>												
4	Residential	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80
<b>5 Volumetric Rate</b>												
<b>6 Proposed Rate</b>												
6		\$ -	-	\$ 0.00500	\$ 0.01125	\$ 0.01750	\$ 0.02375	\$ 0.03000	\$ 0.03625	\$ 0.03937	\$ 0.03937	\$ 0.03937
<b>7 Residential Sample Bill</b>												
8	Residential	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80
9	Volume - Residential Winter Average (Cubic Feet)	675	-	3.38	7.59	11.81	16.03	20.25	24.47	26.57	26.57	26.57
10	Total Monthly Bill	\$ 18.80	\$ 18.80	\$ 22.18	\$ 26.39	\$ 30.61	\$ 34.83	\$ 39.05	\$ 43.27	\$ 45.37	\$ 45.37	\$ 45.37
11	Percent Change in Monthly Bill		0.0%	18.0%	19.0%	16.0%	13.8%	12.1%	10.8%	4.9%	0.0%	0.0%
<b>12 Commercial</b>												
<b>13 Minimum Bill</b>												
<b>14 Proposed Rate</b>												
15	Commercial	\$ 4.41	\$ 4.41	\$ 11.41	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80
<b>16 Volumetric Rate</b>												
<b>17 Proposed Rate</b>												
17		\$ 0.03360	\$ 0.03360	\$ 0.03360	\$ 0.03360	\$ 0.03360	\$ 0.03360	\$ 0.03360	\$ 0.03625	\$ 0.03937	\$ 0.03937	\$ 0.03937
<b>18 Commercial Sample Bill</b>												
19	Commercial	\$ 4.41	\$ 4.41	\$ 11.41	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80	\$ 18.80
20	Volume (Cubic Feet)	3,000	100.80	100.80	100.80	100.80	100.80	100.80	108.75	118.11	118.11	118.11
21	Total Monthly Bill	\$ 105.21	\$ 105.21	\$ 112.21	\$ 119.60	\$ 119.60	\$ 119.60	\$ 119.60	\$ 127.55	\$ 136.91	\$ 136.91	\$ 136.91
22	Percent Change in Monthly Bill		0.0%	6.7%	6.6%	0.0%	0.0%	0.0%	6.6%	7.3%	0.0%	0.0%

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design



Line No.	Description	Current Rate	Year 1 2017	Year 2 2018	Year 3 2019	Year 4 2020	Year 5 2021	Year 6 2022	Year 7 2023	Year 8 2024	Year 9 2025	Year 10 2026
<b>1 Residential</b>												
<b>2 Minimum Bill</b>												
<b>3 Proposed Rate</b>												
4	Residential	\$ -	\$ -	\$ 3.00	\$ 3.00	\$ 3.50	\$ 3.50	\$ 3.75	\$ 3.75	\$ 4.00	\$ 4.00	\$ 4.00
<b>5 Residential Sample Bill</b>												
6	Total Monthly Bill	\$ -	\$ -	\$ 3.00	\$ 3.00	\$ 3.50	\$ 3.50	\$ 3.75	\$ 3.75	\$ 4.00	\$ 4.00	\$ 4.00
7	Percent Change in Monthly Bill		0.0%	0.0%	0.0%	16.7%	0.0%	7.1%	0.0%	6.7%	0.0%	0.0%
<b>8 Commercial</b>												
<b>9 Minimum Bill</b>												
<b>10 Multiplier</b>												
11	Small											
12	Medium	-	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
13	Large	-	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
<b>14 Proposed Rate</b>												
15	Small	\$ -	\$ -	\$ 3.00	\$ 3.00	\$ 3.50	\$ 3.50	\$ 3.75	\$ 3.75	\$ 4.00	\$ 4.00	\$ 4.00
16	Medium	\$ -	-	6.00	6.00	7.00	7.00	7.50	7.50	8.00	8.00	8.00
17	Large	\$ -	-	30.00	30.00	35.00	35.00	37.50	37.50	40.00	40.00	40.00
<b>18 Commercial Sample Bill</b>												
19	Large	\$ -	\$ -	\$ 30.00	\$ 30.00	\$ 35.00	\$ 35.00	\$ 37.50	\$ 37.50	\$ 40.00	\$ 40.00	\$ 40.00
20	Total Monthly Bill	\$ -	\$ -	\$ 30.00	\$ 30.00	\$ 35.00	\$ 35.00	\$ 37.50	\$ 37.50	\$ 40.00	\$ 40.00	\$ 40.00
21	Percent Change in Monthly Bill		0.0%	0.0%	0.0%	16.7%	0.0%	7.1%	0.0%	6.7%	0.0%	0.0%

City of Green River, Wyoming  
 Water, Wastewater, Stormwater, and Municipal  
 Solid Waste Cost of Service and Rate Design

City of Green River, Wyoming Water, Wastewater, Stormwater, and Municipal Solid Waste Cost of Service and Rate Design Proposed Municipal Solid Waste Rates												
Line No.	Current Rate	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	
		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
<b>1 Residential</b>												
<b>2 Proposed Rate</b>												
3	Monthly Rate for Residential Service	\$ 25.50	\$ 25.50	\$ 35.00	\$ 40.00	\$ 45.00	\$ 47.50	\$ 47.50	\$ 47.50	\$ 49.00	\$ 49.00	\$ 49.00
4	Monthly Rate for Residential Additional Can	\$ 17.70	\$ 17.70	\$ 20.00	\$ 25.00	\$ 25.00	\$ 25.00	\$ 25.00	\$ 25.00	\$ 25.00	\$ 25.00	\$ 25.00
<b>5 Commercial Cart Collection</b>												
<b>6 Proposed Rate</b>												
7 96 gallon												
8	Monthly Rate for 1st Container	\$ 25.50	\$ 25.50	\$ 35.00	\$ 40.00	\$ 45.00	\$ 47.50	\$ 47.50	\$ 47.50	\$ 49.00	\$ 49.00	\$ 49.00
9	Monthly Rate for 2nd Container <sup>(A)</sup>	\$ 17.70	\$ 17.70	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00
10 300 gallon												
11	Monthly Rate for 1 x week <sup>(B)</sup>	\$ 17.70	\$ 75.00	\$ 75.00	\$ 75.00	\$ 77.25	\$ 77.25	\$ 79.57	\$ 79.57	\$ 81.95	\$ 81.95	\$ 81.95
12	Per Lift Rate for Collections Exceeding 1 x week	\$ 17.70	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00
<b>13 Commercial Cardboard</b>												
<b>14 Proposed Rate</b>												
15	Per Container (4 CY and 6 CY)		\$ 58.50	\$ 58.50	\$ 61.00	\$ 61.00	\$ 64.00	\$ 64.00	\$ 67.00	\$ 67.00	\$ 67.00	\$ 67.00
<b>16 Commercial Front Load</b>												
<b>17 Proposed Rate</b>												
18	1 x Week Collection		0%	3%	0%	3%	0%	3%	0%	3%	0%	0%
19	4 CY	\$ 115.52	\$ 115.52	\$ 118.98	\$ 118.98	\$ 122.55	\$ 122.55	\$ 126.23	\$ 126.23	\$ 126.23	\$ 126.23	\$ 126.23
20	6 CY	\$ 145.96	\$ 145.96	\$ 150.34	\$ 150.34	\$ 154.85	\$ 154.85	\$ 159.49	\$ 159.49	\$ 159.49	\$ 159.49	\$ 159.49
21	8 CY	\$ 176.40	\$ 176.40	\$ 181.69	\$ 181.69	\$ 187.14	\$ 187.14	\$ 192.76	\$ 192.76	\$ 192.76	\$ 192.76	\$ 192.76
22	2 x Week Collection											
23	4 CY	\$ 209.04	\$ 209.04	\$ 215.31	\$ 215.31	\$ 221.77	\$ 221.77	\$ 228.43	\$ 228.43	\$ 228.43	\$ 228.43	\$ 228.43
24	6 CY	\$ 269.93	\$ 269.93	\$ 278.03	\$ 278.03	\$ 286.37	\$ 286.37	\$ 294.96	\$ 294.96	\$ 294.96	\$ 294.96	\$ 294.96
25	8 CY	\$ 330.81	\$ 330.81	\$ 340.74	\$ 340.74	\$ 350.96	\$ 350.96	\$ 361.49	\$ 361.49	\$ 361.49	\$ 361.49	\$ 361.49
26	3 x Week Collection											
27	4 CY	\$ 302.57	\$ 302.57	\$ 311.65	\$ 311.65	\$ 321.00	\$ 321.00	\$ 330.63	\$ 330.63	\$ 330.63	\$ 330.63	\$ 330.63
28	6 CY	\$ 393.90	\$ 393.90	\$ 405.72	\$ 405.72	\$ 417.89	\$ 417.89	\$ 430.42	\$ 430.42	\$ 430.42	\$ 430.42	\$ 430.42
	8 CY	\$ 485.23	\$ 485.23	\$ 499.78	\$ 499.78	\$ 514.78	\$ 514.78	\$ 530.22	\$ 530.22	\$ 530.22	\$ 530.22	\$ 530.22
29	4 x Week Collection											
30	4 CY	\$ 396.10	\$ 396.10	\$ 407.98	\$ 407.98	\$ 420.22	\$ 420.22	\$ 432.82	\$ 432.82	\$ 432.82	\$ 432.82	\$ 432.82
31	6 CY	\$ 517.87	\$ 517.87	\$ 533.40	\$ 533.40	\$ 549.41	\$ 549.41	\$ 565.89	\$ 565.89	\$ 565.89	\$ 565.89	\$ 565.89
	8 CY	\$ 639.64	\$ 639.64	\$ 658.83	\$ 658.83	\$ 678.59	\$ 678.59	\$ 698.95	\$ 698.95	\$ 698.95	\$ 698.95	\$ 698.95
32	5 x Week Collection											
33	4 CY	\$ 489.62	\$ 489.62	\$ 504.31	\$ 504.31	\$ 519.44	\$ 519.44	\$ 535.02	\$ 535.02	\$ 535.02	\$ 535.02	\$ 535.02
34	6 CY	\$ 641.84	\$ 641.84	\$ 661.09	\$ 661.09	\$ 680.93	\$ 680.93	\$ 701.35	\$ 701.35	\$ 701.35	\$ 701.35	\$ 701.35
	8 CY	\$ 794.05	\$ 794.05	\$ 817.87	\$ 817.87	\$ 842.41	\$ 842.41	\$ 867.68	\$ 867.68	\$ 867.68	\$ 867.68	\$ 867.68
35	6 x Week Collection											
36	4 CY	\$ 583.15	\$ 583.15	\$ 600.64	\$ 600.64	\$ 618.66	\$ 618.66	\$ 637.22	\$ 637.22	\$ 637.22	\$ 637.22	\$ 637.22
37	6 CY	\$ 765.81	\$ 765.81	\$ 788.78	\$ 788.78	\$ 812.45	\$ 812.45	\$ 836.82	\$ 836.82	\$ 836.82	\$ 836.82	\$ 836.82
38	8 CY	\$ 948.47	\$ 948.47	\$ 976.92	\$ 976.92	\$ 1,006.23	\$ 1,006.23	\$ 1,036.41	\$ 1,036.41	\$ 1,036.41	\$ 1,036.41	\$ 1,036.41

NOTES:  
 (A) \$17.70 listed under "Current Rate" is a monthly charge for a 96 gallon container  
 (B) \$17.70 listed under "Current Rate" is a per lift charge for additional 300 gallon container lifts