

# MESA COUNTY LANDFILL

## RATE STUDY REPORT

PREPARED FOR

**MESA COUNTY SOLID WASTE MANAGEMENT**

December 3, 2021

PREPARED BY



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# 1 INTRODUCTION

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## 1.1 Project Description

Weaver Consultants Group (WCG) is pleased to present the Solid Waste System Rate Study (Study) for the Mesa County Landfill located in Grand Junction, Colorado. The Study was completed at the request of Mesa County Solid Waste Management (MCSWM), and consists of a rate study and proposal for changes needed for MCSWM fee structure.

### 1.1.1 Project Scope

The Study is comprised of a rate study and a five-year rate adjustment plan.

The Study includes the following:

- A. A summary of the cost of service including recovery of operating costs, satisfying obligations for closure/post closure care, future equipment, and capital projects.
- B. A review of MCSWM financial history, including revenues and expenses, and current in-place rate structure.
- C. A review of proposed capital improvements and associated projected project costs.
- D. A review of current in-place rate schedules and make recommendations to amend rate schedules when considering future enhancements and capital needs.
- E. A review of rates at other western slope waste management organizations.
- F. Guidance for possible new rate needs such as compost facility and/or residential hazardous waste drop off fees.
- G. Identification of additional revenue sources.

This report also includes a proposed five-year rate Plan (Plan). The Plan balances the short term operating and equipment costs as well as prepares MCSWM for future operations and regulatory compliance costs. The Plan endeavors to reflect the rates and cover the cost of providing waste management services to MCSWM customers. The Plan includes a possible implementation strategy for proposed rate changes as well as an appropriate timeline for increases and future rate studies.

### **1.1.2 Presentation of Findings**

WCG will provide MCSWM with copies of the Study. WCG will also present their findings to the Mesa County Board of Commissioners at a regularly scheduled County Commission meeting, if requested by Mesa County personnel.

The report and presentation include:

- A. Analysis and discussion of the impact of existing and future capital needs.
- B. Assessment of revenue needs for the next five-year planning period (2021-2026), and includes discussion regarding adequate coverage for operations, equipment, and capital projects, as well as closure/post closure requirements.
- C. Analysis of the existing rate and fee structure, and alternative recommendations.

## **1.2 Background**

Mesa County (County) is located on the western slope of Colorado and is the residence to approximately 157,000 people. The County encompasses 3,341 square miles of land. The County, and particularly the City of Grand Junction, serves as a regional hub of economic activity between Denver, Colorado and Salt Lake City, Utah.

MCSWM currently has four different fee structures in place:

- landfill fees
- transfer station fees
- household hazardous waste collection (HHWC) facility fees
- organic materials compost (OMC) facility fees

Because MCSWM is operated as a business enterprise, the majority of the funding is provided by this fee structure. Funds generated from this fee structure that are not utilized in the current annual budget are saved in one of two funds: the restricted fund and the unrestricted fund. The restricted fund is set up to address closure and post-closure costs. The unrestricted fund is utilized for capital outlay requirements, such as landfill equipment, cell construction, facility and equipment maintenance, monitoring, compliance requirements, and other operational needs. Capital purchases are done in accordance with the County purchasing policy.

MCSWM currently manages issues related to the daily operation and maintenance of the landfill, transfer stations, HHWC facility, and OMC facility. Collection of recyclables from the public is handled at a location adjacent to the HHWC facility. MCSWM staff transport the recyclables to a materials recovery facility (MRF) owned and operated by Waste Management, Inc. in Grand Junction for processing of the recyclables.

## **1.3 Data Collection Process**

### **1.3.1 Staff Interviews**

Data was provided to Jake Midkiff, WCG, by email and phone interviews with MCSWM staff member Jennifer Richardson, Solid Waste Division Director. No other County interviews were performed and no interviews were conducted of individuals in competing operations.

### **1.3.2 Compile Required Information**

The following list of documents and information was provided by MCSWM staff or WCG as noted:

- Equipment list for landfill, composting, transfer stations, and operations.
- Capital outlay needs for cell construction and other construction activities (developed by WCG).
- Monitoring and regulatory cost.
- Budget information for multiple years with actuals versus budget.
- Revenues from sources supporting the solid waste system.
- Expenditures for operations related to the solid waste system.
- Equipment/construction reserves Plan and funding account information.
- Tonnage and activity reports for each component that is part of the solid waste system.
- Other general knowledge and information pertinent to the Study.

## **2 OPERATIONAL DESCRIPTIONS**

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The solid waste components evaluated in this Study include solid waste services located at the landfill site (HHWC facility, OMC facility, and Recycling Center), along with the four transfer stations.

### **2.1 Landfill Disposal**

Municipal solid waste (MSW), special waste, and construction and demolition (C&D) debris are accepted at the Mesa County Landfill. These materials are disposed in the landfill disposal footprint. Other materials disposed in landfill cells include special wastes including, but not limited to, offal, sludge, asbestos (friable and non-friable), and contaminated soils. Separate disposal areas are also provided based on waste type, as necessary. Additional information on asbestos and contaminated soils is provided in Sections 2.1.1 and 2.1.2.

The personnel working in this area are MCSWM employees. Regulatory compliance and reporting regarding waste collection is performed by the compliance and administrative staff employed by MCSWM.

#### **2.1.1 MSW Disposal**

Approximately 68 percent (%) of the incoming waste stream is MSW. MSW is largely generated through residential waste generation and commercially generated MSW from retail stores or restaurant wastes.

#### **2.1.2 C&D**

Construction and demolition (C&D) waste is accepted at the landfill. C&D materials are generally handled in the same manner as MSW and are placed in the active working face. It should be noted that C&D materials can be bulky and difficult to compact. Therefore, some additional care and handling may occur with C&D. The exception to this rule are asbestos containing materials.

Friable and non-friable asbestos containing material (ACM) waste is accepted at the landfill. The asbestos waste is handled in accordance with MCSWM's Special Waste Plan (Special Waste Plan) and is in conformance with the CDPHE solid waste regulations. Friable ACM is directed to the designated Friable ACM Disposal Cell (FADC). The FADC is an area within the landfill but outside the working face. Non-friable ACM is directed to the landfill working face by MCSWM personnel.

Asbestos disposal is funded by landfill tipping fees. Costs to handle this material primarily involve the labor of several MCSWM staffers, due to the acceptance and burial process required in accordance with the approved Plan for these materials. The disposal

of asbestos is done in a solid waste cell that is not currently in use and not in another designated disposal cell. There is no capital outlay funding required for asbestos disposal.

Due to the handling procedures required, this friable ACM is not compacted in the same manner as MSW. With friable ACM, the primary concern is to ensure that it is not released to the air. As this material is not compacted, it can consume a greater amount of landfill airspace than typical MSW.

Currently, MCSWM is the only facility in the region that accepts friable and non-friable asbestos materials.

### **2.1.3 Sludge and Industrial Special Waste**

Contaminated soils are accepted for disposal at the landfill provided they do not exhibit hazardous characteristics as defined in 40 CFR 261/6 CCR 1007-3. Contaminated soil must meet the requirements of the special waste approval process outlined in the Special Waste Plan. Contaminated soils are disposed of at the active working face. Contaminated soil waste is managed in accordance with the Special Waste Plan and in conformance with the CDPHE Solid Waste Regulations 6 CCR 1007 and with CDPHE Air Quality Control Commission Regulations.

These materials are managed by employees of MCSWM. Regulatory compliance and reporting regarding petroleum contaminated soil (PCS) collection is performed by the Compliance and Administrative Staff employed by Mesa County. Contaminated solid waste disposal is funded by landfill tipping fees. Costs to handle this material are low, but greater than MSW, and there are costs associated with special waste approvals. By utilizing a cell that is no longer in use, there are no capital outlay funding requirements. Contaminated soil, PCS, and non-friable asbestos are buried in the active cell. There is no specified dumping spot. For these materials, the operator digs a hole in the active face, the material is placed in the hole, and the operator immediately covers the waste with MSW.

### **2.1.4 Tire Disposal**

Tires are accepted and stored in the designated diversion area. Oversize tires are hauled to a tire processor for processing. Historically, MCSWM utilized tire baling for the handling of tires, which included a tire baler, de-rimmer, and tire cutter. The landfill rents a tire shredder and backhoe to shred tires each year. Tire shreds are stored on site and used for daily cover. The annual cost to shred tires is estimated to be approximately \$56,000. Tire disposal is conducted in accordance with the Special Waste Plan and in conformance with the CDPHE Solid Waste Regulations 6 CCR 1007 Waste Tires.

Tire processing is funded by landfill tipping fees. This service is low in capital outlay funding requirements, except when equipment needs replacement or renovation. This



service is costly on the operational side, being labor intensive, requiring supplies and materials, and requiring equipment maintenance.

### **2.1.5 Recycling Services**

Recyclable materials collected are located adjacent the HHWC facility. HHWC personnel oversee the recycling area and provide assistance to public users. Separate bins contain cardboard, paper, and comingled recyclables and are set up at the HHWC facility. Recyclable material roll-off containers are then transported by the County personnel and trucks to the MRF.

MCSWM is in the process of implementing a mattress recycling program. While the mattress recycling program will not operate at a profit, it does remove a bulky item that is difficult to compact within the landfill. When the cost of the airspace that mattresses consume is considered recycling, it becomes the most cost efficient method for mattress disposal.

The mattress recycling option saves significant amounts of airspace as mattresses are bulky and resistant to compaction. In a month of mattress recycling, the landfill has saved approximately 700 cubic yards (cy) of airspace. At a standard compaction rate of 0.6 tons to 1 cy of airspace for MSW, a cubic yard of airspace is worth approximately \$65. Therefore, the 700 cy that will not be occupied by mattresses would be worth approximately \$45,000.

## **2.2 Transfer Stations**

MCSWM operates a transfer station system throughout rural County areas for residential users. The four transfer stations were identified as a part of the 1994 Solid Waste Management Plan. Less than 1% of the waste stream from the County is directed through these transfer stations located in De Beque, Fruita, Gateway and Molina.

The transfer stations are permitted independently of Mesa County Landfill. Regulatory compliance and reporting regarding operations of the transfer stations is performed by the compliance and administrative staff employed by MCSWM. There is a fee structure for use of the transfer station. Disposal at the transfer stations is paid by the user at \$15 per load. Due to the low use of these facilities, the transfer stations are highly subsidized by the landfill tipping fees for both operations and capital outlay needs. The operations and capital outlay required for these services are funded by the landfill tipping fees and the unrestricted fund.

The following tables provide the basic information on the County transfer station system.

Table 2.5-1 contains information on operating hours, waste tonnage, recycling tonnage, site personnel and population in each transfer station service area.

**Table 2.5- 1  
General Transfer Station Information**

Description	De Beque	Fruita	Gateway	Molina
Average Weekly Operating Hours	10 hr/month	24 hr/week	10 hr/month	24 hr/week
Average Annual Waste Tonnage	31.2 tons	393.3 tons	7.57 tons	376.06 tons
Average Annual Recycling Tonnage	0 tons	22.27 tons	0 tons	11.32 tons
Average Annual Trash Service Visits	137	2,040	40	1,590
Average Annual Recycling Service Visits	Unknown	Unknown	Unknown	Unknown
Estimated Service Area Population	518	13,236	139	605

Table 2.5-2 presents a breakdown on materials accepted at each transfer station.

**Table 2.5-2  
Solid Waste Transfer Stations Services**

Description	De Beque	Fruita	Gateway	Molina
Municipal Solid Waste	Yes	Yes	Yes	Yes
Construction and Demolition Debris	No	No	No	No
Green/Yard Waste (Disposal Only, Not For Compost)	Yes	Yes	Yes	Yes
Mattresses/Box Springs (Disposal Only, Not For Recycling)	Yes	Yes	Yes	Yes
Household Hazardous Waste	No	No	No	No
Electronic Waste	No	No	No	No
Scrap Tires	No	No	No	No
Special and Industrial Waste	No	No	No	No

Table 2.5-3 provides a breakdown of recyclables accepted at each transfer station.

**Table 2.5-3  
Transfer Station Recycling Services**

Description	De Beque	Fruita	Gateway	Molina
Corrugated Cardboard (OCC)	No	No	No	No
Mixed Paper	Yes	Yes	Yes	Yes
Plastics #1 through #7	Yes	Yes	Yes	Yes
Aluminum	Yes	Yes	Yes	Yes
Glass Containers	Yes	Yes	Yes	Yes
Steel Cans / Tin Cans	Yes	Yes	Yes	Yes

Table 2.5-4 shows revenues versus expenditures for each transfer station.

**Table 2.5-4  
Transfer Station Revenues vs. Expenditures (for 2020)**

Transfer Station	Revenues	%	Expenditures	%	Net Revenues
De Beque	\$2,670.00	4%	\$10,000.00	8%	\$(7,330.00)
Fruita	\$36,714.00	52%	\$62,000.00	50%	\$(25,286.00)
Gateway	\$675.00	1%	\$11,000.00	9%	\$(10,325.00)
Molina	\$30,400.00	43%	\$42,000.00	34%	\$(11,600.00)
<b>TOTALS</b>	<b>\$70,459.00</b>	<b>100%</b>	<b>\$125,000.00</b>	<b>100%</b>	<b>\$(54,541.00)</b>

## 2.3 Household Hazardous Waste

MCSWM operates a HHWC facility on site. The HHWC facility accepts household hazardous wastes from the County residents as well as hazardous waste from conditionally exempt small quantity generators. Hazardous wastes are processed and packaged at the HHWC facility by personnel employed by MCSWM for shipment to a hazardous waste disposal site.

The HHWC facility operates in accordance with the Mesa County Standard Operating Procedures for Hazardous Waste Collection Facility and in conformance with the CDPHE Solid Waste Regulations 6 CCR 1007.

The HHWC facility is primarily funded by landfill tipping fees. This funding is supplemented by a fee charged to conditionally exempt small quantity generators and fees collected for electronic waste recycling. Hazardous waste that is appropriate for reuse is free of charge to County residents, except for five-gallon buckets of recycled paint that are re-bulked. All recycling activities are funded by landfill tipping fees.

Electronic waste is stored and packaged at the HHWC facility, for shipment to a contracted de-manufacturer. The HHWC facility is funded by the revenues from hazardous waste collection. Recycling of these materials continues to rise. The electronics recycling currently requires no annual capital outlay funding.

This is only true if CORRecycling remains open. CORRecycling is the only other major electronics recycler in Grand Junction. They recycle over a million pounds of CRT monitors annually. Compare this to 125,000 lbs of CRT monitors the HHW sees in a year. If CORRecycling were to close, the County would need capital outlay to increase storage space and staffing to handle an increase in e-waste volumes.

Currently the HHW operation is keeping up with demand, but an increase in use will require expansion. This goes for the other HHW buildings and storage areas. The HHW is serving approximately 10% of the population. If the long term plan is to increase services, then the HHW facility will need to expand. Currently the HHW management is renting a trailer for office space. This trailer needs replaced.

In addition, the County conducts landfill tours for Mesa County youth in the main HHW building and space is limited. In the coming years the main drop-off building and the adjoining office space should be updated.

## 2.4 Organic Materials Compost Facility

The MCSWM OMC is a Class III composting facility. The 11.3-acre facility is located just north of the landfill within an area delineated for solid waste management activities through the Certificate of Designation (CD). Within the composting site, areas have been

set aside for feedstock receipt, feedstock processing, active composting, compost curing, final product storage, and sales.

The facility accepts compostable materials such as grass clippings, tree limbs, untreated wood waste, stall bedding and manure, hay and straw, and cull fruit. Organics composting is conducted by employees of the County. The OMC facility is funded by the campus and profits from compost sales.

All finished compost must meet the standards specified in 6 CCR-1007-2, Section 14.5.5, Table 1, prior to distribution. Mesa County staff have been trained and perform the required oversight and testing of materials to meet the required standards. Once standards are met, compost is sold by Mesa County to the public, government agencies, and commercial sources. Profits from compost sales are used to fund the composting operations.

The OMC facility is primarily funded by compost sales. There are no feedstock disposal fees. Any additional funding requirements would be provided by the unrestricted fund, only if the revenue from fees raised that year is not sufficient to cover the funding needs of the facility. Drop-off fees will be utilized for current facility operation and expansion. Compost facility expenses and revenue have only recently been separated from landfill expenses. Historically, revenue only pays for 40-70% of operation. This does not include capital expenses. The OMC facility has reached capacity and requires capital outlay for expansion. Currently the County has had to close the facility one day a week (from being open 5 days a week to being open 4 days a week) due to capacity and staffing limitations.

### 3 REVENUES

Generally, MCSWM is funded from user fees, grants, and interest earned. There are three primary revenue accounts within MCSWM: Landfill Administration, Compost Facility, and Landfill Hazardous Material as they are identified in the County financial reports. There are two additional accounts for Education and Regulatory Compliance, but no revenues are generated in these accounting centers. Solid Waste Capital is an account where MCSWM’s large purchases for infrastructure (and construction contracts for infrastructure) and equipment are accounted for. These items are then capitalized and depreciated over their useful life.

#### 3.1 Revenue History

Table section 3.1-1 below provides a comparison for the 2016 through 2020 actual revenues. Over the five-year period analyzed, there has been a year over year increase in revenues received for the disposal services.

**Table 3.1-1  
Summary of Revenue History**

Description	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual
<b>Landfill Administration</b>					
State Grants	–	\$38,626.34	\$22,187.74	\$13,684.27	–
Landfill User Fees	\$3,543,752.29	\$4,942,216.27	\$5,491,489.15	\$5,847,400.74	\$6,298,263.93
Sales Tax Commission	\$373.00	\$396.00	\$48.66	–	\$372.21
Interest on Deposits	\$162.35	\$469.47	\$188.69	\$462.47	\$440.80
Designated interest Earnings	\$115.21	\$200.48	\$378.92	\$434.96	\$137.65
Interest on Investments	\$8,788.86	\$26,045.67	\$29,835.84	\$36,956.30	\$29,658.34
Other Interest Earnings	\$10,071.35	\$19,189.66	\$36,536.10	\$42,401.23	\$11,805.34
Interest Allocation for Investments	\$3,333.85	\$17,827.04	\$32,061.53	\$46,488.84	\$56,898.95
Recycling Sales	\$14,372.39	\$21,376.80	\$438.95	\$426.36	\$8,134.76
Miscellaneous	\$3,201.58	\$341.89	\$35,706.03	\$45,536.34	\$11.13
<b>Total Landfill Administration Revenues</b>	<b>\$3,584,170.88</b>	<b>\$5,066,689.62</b>	<b>\$5,648,871.61</b>	<b>\$6,033,791.51</b>	<b>\$6,405,723.11</b>
<b>Landfill Hazardous Material</b>					

– = No revenue data provided

**Summary of Revenue History, continued**

<b>Description</b>	<b>2016 Actual</b>	<b>2017 Actual</b>	<b>2018 Actual</b>	<b>2019 Actual</b>	<b>2020 Actual</b>
General Fees	\$157,225.86	\$146,923.39	\$133,829.44	\$137,031.08	\$132,148.70
Interdepartmental Sales and Services	\$5,858.99	\$3,102.13	\$3,989.44	\$3,508.26	\$4,016.11
Sales Tax Commission	–	–	\$1.09	–	–
Recycling Sales	–	–	\$3,120.12	\$2,902.24	\$5,800.56
Miscellaneous Revenue	\$5,552.17	\$5,570.21	\$11,254.09	\$16,078.11	\$7,108.07
<b>Total Hazardous Material Revenues</b>	<b>\$168,637.02</b>	<b>\$155,595.73</b>	<b>\$152,194.18</b>	<b>\$159,519.69</b>	<b>\$149,073.44</b>
<b>Solid Waste Capital</b>					
Gain on Sale of Asset	–	\$19,965.24	–	\$22,000.00	–
Sale of Equipment	\$47,025.00	\$5,880.00	–	–	\$31,550.00
State Grants	–	–	\$6,805.31	–	–
Miscellaneous Revenue	–	–	\$(75.11)	–	–
<b>Total Solid Waste Capital</b>	<b>\$47,025.00</b>	<b>\$25,845.24</b>	<b>\$6,730.20</b>	<b>\$22,000.00</b>	<b>\$31,550.00</b>
<b>Compost Facility</b>					
General Fees	–	–	–	\$1,880.27	–
Compost Sales	\$365,550.26	\$354,729.20	\$270,761.45	\$280,736.97	\$297,170.02
<b>Total Compost Facility</b>	<b>\$365,550.26</b>	<b>\$354,729.20</b>	<b>\$270,761.45</b>	<b>\$282,617.24</b>	<b>\$297,170.02</b>
<b>Total Revenues</b>	<b>\$4,165,383.16</b>	<b>\$5,602,859.79</b>	<b>\$6,078,557.44</b>	<b>\$6,497,928.44</b>	<b>\$6,883,516.57</b>

– = No revenue data provided

### 3.2 Landfill Users Fee

The Landfill User Fee is the line item that covers all revenues received, other than those generated from the Landfill Hazardous Materials facility or the Compost facility. Landfill user fees are not just for the disposal of solid waste in the landfill footprint cells (buried waste). These fees include revenues from:

- Municipal Solid Waste
- Transfer Station Fees
- Contaminated Soils
- C&D Debris
- Sludge
- Scrap Tires
- Asbestos
- Late Fees
- Offal
- Mattresses and Box Springs

The transfer stations generate revenue from the users of the facilities. Disposal at the transfer stations is paid by users at \$15 per load. The transfer stations are restricted to residential users only.

MCSWM generates revenues from the compost operations. Materials are accepted from the general public and commercial generators. MCSWM processes the materials into products for resale to customers. The material is sold in two primary forms: loose yards and bagged materials. Table 3.2-1 shows the revenue received from user fees for each year from 2016 through 2021 broken out by material type

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**Table 3.2-1  
Revenue by Material Type**

Description	2016		2017		2018		2019		2020	
	Revenue	%	Revenue	%	Revenue	%	Revenue	%	Revenue	%
MSW Compacted	\$1,947,579.45	55.3%	\$2,874,685.25	57.6%	\$2,830,427.50	52.7%	\$3,086,919.63	54.0%	\$3,254,672.29	53.3%
MSW Loose	\$567,206.10	16.1%	\$795,635.19	16.0%	\$852,574.86	15.9%	\$982,355.12	17.2%	\$1,068,002.88	17.5%
C&D	\$719,952.51	20.4%	\$1,015,238.55	20.4%	\$1,297,067.65	24.1%	\$1,239,166.30	21.7%	\$1,404,489.40	23.0%
Transfer Station	\$52,566.15	1.5%	\$55,050.00	1.1%	\$50,205.00	0.9%	\$57,780.00	1.0%	\$70,065.00	1.1%
Sludge & Screenings	\$177,939.79	5.0%	\$217,326.28	4.4%	\$288,956.98	5.4%	\$291,747.15	5.1%	\$294,838.29	4.8%
Industrial	\$58,958.55	1.7%	\$28,903.45	0.6%	\$53,810.20	1.0%	\$60,590.50	1.1%	\$15,772.74	0.3%
<b>TOTAL</b>	<b>\$3,524,202.55</b>	<b>100.0%</b>	<b>\$4,986,838.72</b>	<b>100.0%</b>	<b>\$5,373,042.19</b>	<b>100.0%</b>	<b>\$5,718,558.70</b>	<b>100.0%</b>	<b>\$6,107,840.60</b>	<b>100.0%</b>

Description	2016		2017		2018		2019		2020	
	Tonnage	%	Tonnage	%	Tonnage	%	Tonnage	%	Tonnage	%
MSW Compacted	97,378.95	56.2%	95,873.41	57.0%	94,347.54	53.1%	99,587.11	55.1%	98,633.27	53.4%
MSW Loose	23,462.37	13.5%	24,845.48	14.8%	26,735.74	15.1%	26,869.36	14.9%	31,384.51	17.0%
C&D	35,131.90	20.3%	33,404.35	19.9%	41,426.25	23.3%	39,317.71	21.8%	41,090.08	22.3%
Transfer Station	929.43	0.5%	845.72	0.5%	723.74	0.4%	729.66	0.4%	812.10	0.4%
Sludge & Screenings	13,457.87	7.8%	12,539.21	7.5%	13,025.40	7.3%	12,689.91	7.0%	12,267.47	6.6%
Industrial	2,939.78	1.7%	721.65	0.4%	1,323.50	0.7%	1,497.57	0.8%	445.60	0.2%
<b>TOTAL</b>	<b>173,300.30</b>	<b>100.0%</b>	<b>168,229.82</b>	<b>100.0%</b>	<b>177,582.17</b>	<b>100.0%</b>	<b>180,691.32</b>	<b>100.0%</b>	<b>184,633.03</b>	<b>100.0%</b>

### 3.2.1 Transfer Station Revenue

Table 3.2.1-1 shows transfer station revenue for 2020 and the percentage of transfer station revenue that comes from each transfer station.

**Table 3.2.1-1  
Transfer Station Revenue (2020)**

Transfer Station	Revenues	%
De Beque	\$2,670.00	4%
Fruita	\$36,714.00	52%
Gateway	\$675.00	1%
Molina	\$30,400.00	43%
<b>TOTALS</b>	<b>\$70,459.00</b>	<b>100%</b>

### 3.2.2 Recycling Revenue

Table 3.2.2-1 below shows revenue from recycling sales from 2016-2020.

**Table 3.2.2-1  
Recycling Revenue (2016-2020)**

	2016	2017	2018	2019	2020
Recycling Sales	\$14,372.39	\$21,376.80	\$3,559.07	\$3,328.60	\$13,935.32

### 3.3 HHW Revenue

Table 3.3-1 shows the HHW facility revenue from 2016-2020.

**Table 3.3-1  
HHW Facility Revenue (2016-2020)**

Description	2016		2017		2018		2019		2020	
	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%
VSQG Haz Waste	\$51,749.06	35.8%	\$71,502.97	44.9%	\$66,492.41	45.1%	\$64,635.53	44.4%	\$60,635.31	41.8%
VSQG E-Waste	\$2,395.72	1.7%	\$15,537.06	9.8%	\$14,993.16	10.2%	\$9,481.08	6.5%	\$11,110.50	7.7%
VSQG Sales	\$943.94	0.7%	\$1,650.28	1.0%	\$3,274.19	2.2%	\$721.04	0.5%	\$990.27	0.7%
Residential Haz Waste	\$701.20	0.5%	\$90.90	0.1%	\$351.04	0.2%	\$479.77	0.3%	\$118.70	0.1%
Residential E-Waste	\$85,493.52	59.2%	\$67,023.60	42.1%	\$60,007.20	40.7%	\$66,835.44	45.9%	\$71,082.90	49.0%
Residential Sales	\$3,118.85	2.2%	\$3,508.38	2.2%	\$2,363.36	1.6%	\$3,540.29	2.4%	\$1,135.16	0.8%
<b>TOTAL</b>	<b>\$144,402.29</b>	<b>100.0%</b>	<b>\$159,313.19</b>	<b>100.0%</b>	<b>\$147,481.36</b>	<b>100.0%</b>	<b>\$145,693.15</b>	<b>100.0%</b>	<b>\$145,072.84</b>	<b>100.0%</b>

### 3.4 Compost Revenue

Table 3.4-1 shows the revenue for the compost facility (2016-2020) segregated by material type.

**Table 3.4-1  
Compost Facility Revenue (2016-2020)**

Description	2016		2017		2018		2019		2020	
	Revenue	%	Revenue	%	Revenue	%	Revenue	%	Revenue	%
Mesa Magic 1/2"	\$195,869.73	53.6%	\$162,289.30	45.8%	\$121,640.50	44.9%	\$73,012.86	25.8%	\$110,489.42	37.2%
Mesa Magic 1/4"	\$101,980.62	27.9%	\$125,036.38	35.2%	\$92,084.83	34.0%	\$141,258.86	50.0%	\$113,763.59	38.3%
Ultra Fine	\$16,189.20	4.4%	\$16,962.87	4.8%	\$13,571.64	5.0%	\$21,647.32	7.7%	\$25,810.84	8.7%
Bagged 1/2"	\$718.28	0.2%	\$449.58	0.1%	\$17,172.65	6.3%	\$17,351.68	6.1%	\$17,268.64	5.8%
Bagged 1/4"	\$29,895.25	8.2%	\$28,175.00	7.9%	\$9,851.73	3.6%	\$12,222.22	4.3%	\$16,114.21	5.4%
Bagged Ultra Fine	\$3,092.00	0.8%	\$4,406.00	1.2%	\$2,136.66	0.8%	\$1,944.10	0.7%	—	0.0%
Mulch	\$17,805.18	4.9%	\$17,410.07	4.9%	\$14,303.44	5.3%	\$15,180.21	5.4%	\$13,723.32	4.6%
<b>TOTAL</b>	<b>\$365,550.26</b>	<b>100.0%</b>	<b>\$354,729.20</b>	<b>100.0%</b>	<b>\$270,761.45</b>	<b>100.0%</b>	<b>\$282,617.25</b>	<b>100.0%</b>	<b>\$297,170.02</b>	<b>100.0%</b>

Table 3.4-2 shows the amount of each type of compost product sold and quantity of each type.

**Table 3.4-2  
Compost Product Revenue (2016-2020)**

Description	2016		2017		2018		2019		2020	
	Count	%	Count	%	Count	%	Count	%	Count	%
Mesa Magic 1/2"	7,516	32.0%	6,478	26.6%	4,991	28.5%	3,133	17.9%	4,551	24.0%
Mesa Magic 1/4"	4,383	18.7%	5,244	21.6%	4,227	24.1%	5,240	30.0%	4,164	21.9%
Ultra Fine	555	2.4%	573	2.4%	77	0.4%	778	4.4%	876	4.6%
Bagged 1/2"	197	0.8%	118	0.5%	4,161	23.8%	4,153	23.7%	4,284	22.6%
Bagged 1/4"	8,640	36.8%	8,146	33.5%	2,111	12.1%	2,593	14.8%	3,964	20.9%
Bagged Ultra Fine	833	3.5%	1,189	4.9%	460	2.6%	464	2.7%	—	0.0%
Mulch	1,375	5.9%	2,575	10.6%	1,486	8.5%	1,127	6.4%	1,154	6.1%
<b>TOTAL</b>	<b>23,499</b>	<b>100.0%</b>	<b>24,323</b>	<b>100.0%</b>	<b>17,513</b>	<b>100.0%</b>	<b>17,488</b>	<b>100.0%</b>	<b>18,993</b>	<b>100.0%</b>

### **3.5 Capital Outlay Fund**

Solid Waste Capital is an account for infrastructure and equipment purchases and is funded from the landfill tipping fees. This account also generates revenue in the form of interest earned through account balance. If landfill tipping fees and earned income do not cover the amount required, then the balance would be transferred from the unrestricted fund account. Capital outlay needs are identified by MCSWM staff and are presented to the County Commission for approval. Once approved, the funds are transferred from the appropriate reserve account. All Capital purchases are done in accordance with the County purchasing policy.

## 4 EXPENDITURES

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Expenditures are tracked under seven primary account numbers: Support Services, Landfill Administration, Education, Landfill – Hazardous Materials, Regulatory Compliance, Solid Waste Capital, and Compost Facility.

### 4.1 Expenditure History

The following are expenditure summaries for the five-year period from 2016 through 2021. Expenses have varied from year to year. However, expenses have increased every year from 2016 through 2020 at an average rate of 7.81 %. It should be noted that the annual percent increase ranged from 1.24% to 14.06% over that time period. A more detailed expense summary for each account is included in Appendix A.

**Table 4.1-1  
Expenditure History Comparison by Department**

Description	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual
<b>Landfill Administration</b>					
Personnel Services	\$988,467.17	\$1,035,285.52	\$971,074.79	\$1,012,478.60	\$911,036.50
Operating Expense	\$1,119,564.41	\$1,421,777.19	\$1,476,626.33	\$1,635,943.17	\$1,823,795.49
Grants, Contributions, Indemnity and Other	\$446,784.51	\$405,023.50	\$399,831.00	\$435,417.00	\$487,816.04
<b>Total Landfill Administration</b>	<b>\$2,554,816.09</b>	<b>\$2,862,086.21</b>	<b>\$2,847,532.12</b>	<b>\$3,083,838.77</b>	<b>\$3,222,648.03</b>
<b>Education</b>					
Personnel Services	\$72,557.51	\$67,263.91	\$31.21	–	–
Operating Expense	\$45,007.58	\$40,843.01	\$18,447.20	\$9,822.54	\$29,226.62
<b>Total Education</b>	<b>\$117,565.09</b>	<b>\$108,106.92</b>	<b>\$18,478.41</b>	<b>\$9,822.54</b>	<b>\$29,226.62</b>
<b>Landfill - Hazardous Material</b>					
Personnel Services	\$242,135.45	\$255,059.75	\$263,781.79	\$269,669.21	\$260,393.80
Operating Expense	\$298,931.81	\$320,819.99	\$242,758.64	\$243,461.81	\$265,592.99
<b>Total Landfill - Hazardous Material</b>	<b>\$541,067.26</b>	<b>\$575,879.74</b>	<b>\$506,540.43</b>	<b>\$513,131.02</b>	<b>\$525,986.79</b>
<b>Regulatory Compliance</b>					
Personnel Services	–	\$3,418.96	\$72,007.14	\$85,297.70	\$86,996.61
Operating Expense	\$368,755.21	\$238,498.75	\$445,681.64	\$276,060.78	\$490,688.54
<b>Total Regulatory Compliance</b>	<b>\$368,755.21</b>	<b>\$241,917.71</b>	<b>\$517,688.78</b>	<b>\$361,358.48</b>	<b>\$577,685.15</b>
<b>Solid Waste Capital</b>					
Operating Expense	–	\$8,331.57	–	\$17,311.00	\$2,525.00
Capital Outlay	\$71,931.01	\$20,420.00	\$121,319.83	\$100,637.29	\$221,998.66
<b>Total Solid Waste Capital</b>	<b>\$71,931.01</b>	<b>\$28,751.57</b>	<b>\$121,319.83</b>	<b>\$117,948.29</b>	<b>\$224,523.66</b>
<b>Support Services</b>					
Operating Expense	\$26,252.90	\$23,826.39	\$28,471.39	\$32,423.34	\$32,369.57
Grants, Contributions, Indemnity and Other	\$1,989.23	\$965.33	\$850.72	\$3,505.64	\$4,062.77
<b>Total Support Services</b>	<b>\$28,242.13</b>	<b>\$24,791.72</b>	<b>\$29,322.11</b>	<b>\$35,928.98</b>	<b>\$36,432.34</b>
<b>Compost Facility</b>					
Personnel Services	\$0.00	\$3,820.77	\$170,618.63	\$181,621.71	\$190,191.04
Operating Expense	\$0.00	\$0.00	\$77,037.51	\$38,134.46	\$145,377.05
<b>Total Compost Facility</b>	<b>\$0.00</b>	<b>\$3,820.77</b>	<b>\$247,656.14</b>	<b>\$219,756.17</b>	<b>\$335,568.09</b>
<b>GRAND TOTAL</b>	<b>\$3,682,376.79</b>	<b>\$3,845,354.64</b>	<b>\$4,288,537.82</b>	<b>\$4,341,784.25</b>	<b>\$4,952,070.68</b>

– = No expenditure

**Table 4.1-2  
Expenditure History Comparison Summary**

Description	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual
Personnel Services	\$1,303,160.13	\$1,364,848.91	\$1,477,513.56	\$1,549,067.22	\$1,448,617.95
Operating Expenses	\$1,832,259.01	\$2,030,270.51	\$2,260,551.32	\$2,220,733.76	\$2,757,205.69
Grants, Contributions, Indemnity and Other	\$446,784.51	\$405,023.50	\$399,831.00	\$435,417.00	\$487,816.04
Capital Outlay	\$71,931.01	\$20,420.00	\$121,319.83	\$100,637.29	\$221,998.66
Support Services	\$28,242.13	\$24,791.72	\$29,322.11	\$35,928.98	\$36,432.34
<b>GRAND TOTAL</b>	<b>\$3,682,376.79</b>	<b>\$3,845,354.64</b>	<b>\$4,288,537.83</b>	<b>\$4,341,784.25</b>	<b>\$4,952,070.68</b>

- = No expenditure

## 4.2 Landfill

The landfill expenditures include expenditures for the transfer stations, recycling, and regulatory compliance.

### 4.2.1 Transfer Station

Table 4.2.1-1 shows transfer station expenditures for 2020 broken out by transfer station.

**Table 4.2.1-1  
Transfer Station Expenditures (2020)**

Transfer Station	Expenditures	%
De Beque	\$10,000.00	8%
Fruita	\$62,000.00	50%
Gateway	\$11,000.00	9%
Molina	\$42,000.00	34%
<b>TOTALS</b>	<b>\$125,000.00</b>	<b>100%</b>



### 4.2.2 Recycling

Recycling expenditures are not separated from other expenditures in the account history but are likely split between landfill and HHW expenses.

### 4.2.3 Regulatory Compliance

Table 4.2.3-1 shows regulatory compliance related expenses from 2016-2020.

**Table 4.2.3-1  
Regulatory Compliance Expenditures (2016-2020)**

<b>Regulatory Compliance</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
Personnel Services	-	\$3,418.96	\$72,007.14	\$85,297.70	\$86,996.61
Operating Expense	\$368,755.21	\$238,498.75	\$445,681.64	\$276,060.78	\$490,688.54
<b>Total Regulatory Compliance</b>	<b>\$368,755.21</b>	<b>\$241,917.71</b>	<b>\$517,688.78</b>	<b>\$361,358.48</b>	<b>\$577,685.15</b>

- = No expenditure

### 4.3 HHW

Table 4.3-1 shows HHW expenses for 2016-2020

**Table 4.3-1  
HHW Expenses (2016-2020)**

<b>Landfill - Hazardous Material</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
Personnel Services	\$242,135.45	\$255,059.75	\$263,781.79	\$269,669.21	\$260,393.80
Operating Expense	\$298,931.81	\$320,819.99	\$242,758.64	\$243,461.81	\$265,592.99
<b>Total Landfill - Hazardous Material</b>	<b>\$541,067.26</b>	<b>\$575,879.74</b>	<b>\$506,540.43</b>	<b>\$513,131.02</b>	<b>\$525,986.79</b>

## 4.4 Compost

Table 4.4-1 shows compost facility expenses from 2016-2020.

**Table 4.4-1  
Compost Expenses (2016-2020)**

<b>Compost Facility</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
Personnel Services	—	\$3,820.77	\$170,618.63	\$181,621.71	\$190,191.04
Operating Expense	—	—	\$77,037.51	\$38,134.46	\$145,377.05
<b>Total Compost Facility</b>	<b>\$0.00</b>	<b>\$3,820.77</b>	<b>\$247,656.14</b>	<b>\$219,756.17</b>	<b>\$335,568.09</b>

— = No expenditure

## 4.5 Capital Outlay

Table 4.5-1 shows capital outlay expenditures from 2016-2020.

**Table 4.5-1  
Capital Outlay Expenditures (2016-2020)**

<b>Capital Outlay</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
Capital Outlay	\$71,931.01	\$20,420.00	\$121,319.83	\$100,637.29	\$221,998.66

## 5 REVENUES VS. EXPENDITURES

Table 5.0-1 provides a comparison of the actual revenues versus expenditures for years 2016 through 2020. Net revenues for all of the years were positive and increasingly so. Further discussion on this is provided in Section 8 of this Study.

### 5.1 Landfill

**Table 5.1-1  
Revenue vs. Expenditures**

Description	Revenue	Expenditures	Net Revenue
<b>2016</b>			
Landfill Administration	\$3,584,107.88	\$2,554,816.09	\$1,029,291.79
Education	—	\$117,565.09	\$(117,565.09)
Landfill - Hazardous Material	\$168,637.02	\$541,067.26	\$(372,430.24)
Regulatory Compliance	—	\$368,755.21	\$(368,755.21)
Solid Waste Capital	\$47,025.00	\$71,931.01	\$(24,906.01)
Support Services	—	\$28,242.13	\$(28,242.13)
Compost Facility	\$365,550.26	—	\$365,550.26
<b>2016 Actual Totals</b>	<b>\$4,165,320.16</b>	<b>\$3,682,376.79</b>	<b>\$482,943.37</b>
<b>2017</b>			
Landfill Administration	\$5,066,689.62	\$2,862,086.21	\$2,204,603.41
Education	—	\$108,106.92	\$(108,106.92)
Landfill - Hazardous Material	\$155,595.73	\$575,879.74	\$(420,284.01)
Regulatory Compliance	—	\$241,917.71	\$(241,917.71)
Solid Waste Capital	\$25,845.24	\$28,751.57	\$(2,906.33)
Support Services	—	\$24,791.72	\$(24,791.72)
Compost Facility	\$354,729.20	\$3,820.77	\$350,908.43
<b>2017 Actual Totals</b>	<b>\$5,602,859.79</b>	<b>\$3,845,354.64</b>	<b>\$1,757,505.15</b>
<b>2018</b>			
Landfill Administration	\$5,648,871.61	\$2,847,532.12	\$2,801,339.49
Education	—	\$18,478.41	\$(18,478.41)
Landfill - Hazardous Material	\$152,194.18	\$506,540.43	\$(354,346.25)
Regulatory Compliance	—	\$517,688.78	\$(517,688.78)
Solid Waste Capital	\$6,730.20	\$121,319.83	\$(114,589.63)

— = No data from these line items

### Revenue vs. Expenditures, continued

Description	Revenue	Expenditures	Net Revenue
Support Services	—	\$29,322.11	\$(29,322.11)
Compost Facility	\$270,761.45	\$247,656.14	\$23,105.31
<b>2018 Actual Totals</b>	<b>\$6,078,557.44</b>	<b>\$4,288,537.82</b>	<b>\$1,790,019.62</b>
<b>2019</b>			
Landfill Administration	\$6,033,791.51	\$3,083,838.77	\$2,949,952.74
Education	—	\$9,822.54	\$(9,822.54)
Landfill - Hazardous Material	\$159,519.69	\$513,131.02	\$(353,611.33)
Regulatory Compliance	—	\$361,358.48	\$(361,358.48)
Solid Waste Capital	\$22,000.00	\$117,948.29	\$(95,948.29)
Support Services	—	\$35,928.98	\$(35,928.98)
Compost Facility	\$282,617.24	\$219,756.17	\$62,861.07
<b>2019 Actual Totals</b>	<b>\$6,497,928.44</b>	<b>\$4,341,784.25</b>	<b>\$2,156,144.19</b>
<b>2020</b>			
Landfill Administration	\$6,405,723.11	\$3,222,648.03	\$3,183,075.08
Education	—	\$29,226.62	\$(29,226.62)
Landfill - Hazardous Material	\$149,073.44	\$525,986.79	\$(376,913.35)
Regulatory Compliance	—	\$577,685.15	\$(577,685.15)
Solid Waste Capital	\$31,550.00	\$224,523.66	\$(192,973.66)
Support Services	—	\$36,432.34	\$(36,432.34)
Compost Facility	\$297,170.02	\$335,568.09	\$(38,398.07)
<b>2020 Actual Totals</b>	<b>\$6,883,516.57</b>	<b>\$4,952,070.68</b>	<b>\$1,931,445.89</b>

— = No data from these line items

#### 5.1.1 Transfer Station

Full expenditure and revenue histories were not available for comparing transfer station revenue to expenditures.

#### 5.1.2 Recycling

Full expenditure history was not available for comparing recycling revenue to expenditures.

## 6 CAPITAL OUTLAY REQUIREMENTS

There are two primary areas that require Capital Outlay funding: 1) replacement and purchasing of equipment, and 2) construction for new development of landfill operations (such as liners, cell caps, ponds, gas systems, etc.), as well as improvement of existing facilities. The unrestricted fund account is used for expenditure requirements that exceed the annual revenue.

### 6.1 Capital Outlay – Construction and Improvement of Existing Infrastructure

WCG has projected the current proposed capital outlay requirements through the year 2025 for construction of various projects at the Solid Waste Disposal facility (Table 6.1-1). These projects are being funded by the fees/revenues of MCSWM.

**Table 6.1-1  
Projected Capital Outlay for Construction**

Description	2021	2022	2023	2024	2025
<b>Landfill</b>					
Liner Construction (Clay Liner)	–	\$850,000	–	–	–
Liner Construction (Geosynthetics)	–	–	–	–	\$3,000,000
Design/Engineering	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
<b>Composting</b>					
Compost Expansion Pad	–	–	\$290,000	–	–
Compost Fee Station		\$75,000			
<b>Gas Collection and Control System</b>					
Installation of New System	–	–	\$2,000,000	–	–
<b>TOTALS</b>	<b>\$150,000</b>	<b>\$1,290,000</b>	<b>\$2,150,000</b>	<b>\$150,000</b>	<b>\$3,150,000</b>

– = No capital outlay

### 6.2 Capital Outlay – Equipment

The table below provides a current inventory of equipment currently being utilized by MCSWM. This includes equipment for the landfill operations, composting operations, HHW operations and transfer stations. MCSWM staff have compiled a worksheet with average life and projected replacement of each piece of equipment.

**Table 6.2-1  
Projected Capital Outlay for Equipment**

Asset Number	Description	Year Acquired	Purchase Price	Estimated Life Expectancy (Years)
	<b>Landfill</b>			
43	Dump Truck	2018	Unknown	5
500	Site Truck 1	2020	Unknown	5
1040	Site Truck 2	Unknown	Unknown	5
1048	Site Truck 3	2020	Unknown	5
1057	Haul Truck 1	2002	\$52,000.00	5
1058	End Dump Trailer 1	2002	\$39,559.00	10
1059	Backhoe	2002	\$47,570.00	10
1072	Site Truck 4	2007	\$30,100.00	5
1073	Service Truck	2007	\$91,300.00	10
1075	Admin Truck	2008	\$27,471.00	5
1078	Scraper	2009	\$731,875.00	10
1079	End Dump Trailer 2	2009	\$49,644.13	Unknown
1081	Haul Truck 2	2009	\$102,159.00	10
1085	Loader	2011	\$94,000.00	7
1087	Air Compressor	2012	\$10,804.00	5
1091	Site Truck w/ Fuel Tank	2006	\$27,471.00	5
1094	Motor Grader	Unknown	Unknown	15
1095	Tarp-O-Matic (Backup)	Unknown	\$85,000.00	10
1096	De-rimmer	Unknown	Unknown	15
1097	Water Truck	2018	\$70,500.00	7
1099	Waste Compactor	2018	\$668,770.00	5
1102	End Dump Trailer 3	Unknown	Unknown	Unknown
1103	Bulldozer	2018	\$363,844.00	5
1104	Hydromulcher Chassis	2019	\$80,000.00	7
1104A	Hydromulcher	2019	\$80,000.00	7
1107	Fuel Trailer	2018	\$17,585.00	5
1109	Waste Compactor	2021	\$1,104,714.00	5
1110	Tarp-O-Matic	2021	\$84,592.00	10
2068	Site Truck 5	2019	Unknown	5
2090	Hook Truck	2017	\$24,999.00	7
2123	Blade Utility Vehicle	2013	\$15,060.00	7
2126	Billy Goat Trasher Picker	Unknown	Unknown	No Plans to Replace
2127	Pressure Washer	Unknown	Unknown	5
7014	Admin SUV	2003	\$17,383.00	5

**Projected Capital Outlay for Equipment, continued**

<b>Asset</b>	<b>Description</b>	<b>Year Acquired</b>	<b>Purchase Price</b>	<b>Estimated Life Expectancy (Years)</b>
	<b>Composting</b>			
1053	Trommell Screen	2001	\$116,000.00	10
1061	Bagger	2003	\$46,200.00	No Plans to Replace
1064	Water Wagon	2000	\$13,120.00	5
1065	Skid Loader w/ Auger	2002	\$38,395.00	No Plans to Replace
1074	River Pump	2007	\$10,412.35	20
1080	Tractor w/ Bucket	2009	\$71,550.00	7
1084	Loader	2011	\$151,798.00	7
1086	Large Tractor	2013	\$114,644.00	No Plans to Replace
1088	Grinder	2014	\$498,500.00	7
1090	Water Truck	2015	Unknown	7
1098	Tractor w/ Bucket	2018	\$183,899.33	7
1101	Flat Bed Trailer	2019	\$30,000.00	10
1105	Turner	2019	\$88,825.00	15
1106	Trommell Screen	2019	\$198,700.00	10
1108	Large Loader	2020	\$306,213	7
	Bagger	Unknown	\$46,200	10
	Mixer	2005	\$49,606	No Plans to Replace
	<b>Hazardous Waste</b>			
1089	Forklift	2014	\$16,947.00	10
2124	Blade and Spreader Utility Vehicle	2014	\$23,118.00	7
	<b>Transfer Stations</b>			
1045	Fruita Backhoe	1998	\$51,880.00	10
1077	Fruita Walking Floor Trailer	2008	\$68,040.00	10
1102	Fruita Walking Floor Trailer	2019	\$68,040.00	7
1056	Molina Skid Loader	2001	\$17,714.00	10
6770	Molina Compactor	1986	Unknown	10

## **7 RESERVE REQUIREMENTS**

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MCSWM has multiple reserve accounts for closure/post-closure requirements, and revenue shortfalls. Each reserve account is designed to be used for a specific purpose. Expenditures from some of these reserve accounts require approval from either the County Commission or CDPHE.

### **7.1 Reserve for Encumbrances – Unrestricted**

This reserve account does not have a separate account holding funds. In the financial report, it is a simple tool to identify funds allocated to the approved purchases or activities. MCSWM utilizes this reserve for the purchase of equipment or construction projects. This reserve balance is established during the annual budget approval period. MCSWM submits the requested items requiring funding for that budget year to the County Commission. The Commission then approves or makes changes to the annual budget request. All purchases over \$50,000 require special, additional approval from the Commission.

### **7.2 Landfill Replacement Reserve – Restricted**

The County has decided to be proactive in the funding of a separate restricted reserve account that is for the replacement of the current landfill once it reaches its capacity. These funds are not a requirement of CDPHE.

### **7.3 Landfill Closure Reserves – Restricted**

These reserves are required by the CDPHE to cover potential closure/post-closure costs of the permitted solid waste disposal facility. These reserves are regulatory mandated financial assurance funds and are restricted for use without prior approval of CDPHE. Funding balances are the amounts in each reserve at the close of each year.

### **7.4 Landfill Closure/Post-Closure Reserve - Restricted**

This reserve is maintained for post-closure care requirements of the solid waste disposal and hazardous waste collection areas as well as the removal of improvements and structures. Calculations of the funding requirements are reviewed and updated every 5 years by a consulting engineering firm and MCSWM to better project the fund has adequate revenues to perform the required tasks for the 30-year post-closure care period. Post-closure care includes maintaining the landfill fund cover across the waste disposal area and the various monitoring requirements.



## 7.5 Compost Closure Reserve - Restricted

As with the landfill closure reserve, this reserve is for closure/post-closure care specific to the requirements at the composting operations facility on the landfill property.

## 7.6 Biosolids Closure Reserve – Animal Mortalities

As with the landfill closure reserve, this reserve is for post-closure care specific to the requirements at the biosolids and animal mortalities operations facility on the landfill property.

## 7.7 Retained Earnings – Unrestricted

The following table (Table 7.7.1) provides a summary of each funding balance amount in reserve at the close of 2020.

The table also provides the current fund balances addressing closure and post-closure care cost estimates for each component of the MCSWM operations. Based upon the information provided, there is an excess in the landfill closure account. Overall, there is an excess of \$1,639,877.98 in the closure reserve/landfill replacement funds.

**Table 7.7-1  
Reserve Balance (2020)**

<b>Description</b>	<b>2020</b>
Reserve for Encumbrances	\$1,162,487.16
Retained Earnings	\$5,643,086.69
<b>Sub-Totals</b>	<b>\$6,805,573.85</b>
Landfill Replacement Reserve	\$1,931,413.22
Landfill Closure Reserve	\$7,440,956.12
Compost Closure Reserve	\$51,609.13
Biosolids Closure Reserve	\$18,990.51
<b>Sub-Totals</b>	<b>\$9,442,968.98</b>
<b>GRAND TOTAL</b>	<b>\$16,248,542.83</b>

## **8 FEE CALCULATIONS/EXPLANATION**

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Provided in this section are comparisons to other landfill/solid waste system facilities in the western slope region of Colorado.

The calculations provided for MCSWM factor in services based upon information provided by MCSWM staff. There was substantial data provided to assist with these recommendations. Due to the accounting process utilized by MCSWM, estimates were utilized in calculating some of the various operational costs for each service. Most service revenues are lumped into one line item in the financial reporting “Landfill Users Fee”.

### **8.1 Solid Waste Rate Comparison**

Simply comparing a specific rate does not provide a clear picture of the actual costs to provide those services. Each component of an operation should be evaluated based upon volumes of materials, services provided, materials accepted, other funding subsidies, and regulatory requirements. However, it should be noted that Mesa County’s tipping fees are the lowest of the counties presented in the table below. While the remainder of their fees appear to be in line with the other counties evaluated. A summary of Mesa County’s current tipping fee schedule is included in Appendix B.

## 8.1.1 Landfill

**Table 8.1.1-1  
Comparison of Tipping Fees by County**

Description	Mesa County	South Canyon	Pitkin County	Summit County	Montezuma County	Garfield County	Delta County	Montrose County	Gunnison County
<b>Tonnage Fee</b>									
Tipping Fee - In County	\$36.00	\$49.00	\$93.75	\$72.00	\$53.91	\$44.00	\$45.00	\$54.38	\$67.00
Commercial Compacted	\$36.00	\$49.00	\$61.50	\$58.00	\$53.91	\$44.00	\$45.00	\$54.38	\$49.00
Tipping Fee - Out of County	–	\$49.00	–	–	–	\$84.00	Fee + 75% Surcharge	Fee + 15% Surcharge	–
C&D	\$36.00	\$48.00	\$93.75 to 153.75	\$72.00	\$47.10	\$44.00	\$45.00	\$54.38	\$67.00
Clean Soil	Free	\$10.00- \$25.00	\$10.50	\$60.00 per load	\$9.80	–	–	–	\$24.00
Contaminated Soil	\$50.00	\$52.00	–	\$78.00	–	\$32.00	\$48.00	–	–
Sludge	\$24.50	\$39.14	\$30.00	\$33.00	–	–	–	–	\$68.40 / each
Non-Friable Asbestos	\$36.00	\$50.00	–	–	\$56.00	–	–	–	\$250.00
Cut Tires	\$75.00	\$89.00	–	–	–	\$89.00	–	–	–
Bulk Tires	\$300.00	–	–	–	–	–	\$420.00	–	–
Minimum Fee	\$10.00	\$8.00	\$15.00	\$20.00 to \$35.00	\$11.93	\$6.00	\$15.00	\$6.03	\$12.00
<b>Itemized Fee</b>									
Tire – Passenger	\$5.00	\$5.00	\$6.00	\$10.00	\$2.50	\$3.50	\$9.00	\$4.86	\$10.00
Tire - Passenger w/ Rim	\$10.00	\$10.00	\$12.50	\$10.00	\$10.00	\$8.50	\$40.00	\$4.86	\$15.00
Tire - Large Truck	\$10.00	\$10.00	\$26.60	\$40.00	\$18.90	\$10.00 to \$20.00	\$420.00 / ton	\$9.76	\$15.00
Tire - Large Truck w/ Rim	\$20.00	\$20.00	\$26.60	\$40.00	\$30.00	\$15.00 to \$25.00	–	\$9.76	\$30.00
Tire – Equipment	–	\$30.00	–	\$50.00 to \$100.00	\$63.00	\$30.00	\$40.00	\$9.76	\$30.00
Tire - Equipment w/ Rim	–	\$40.00	–	\$50.00 to \$100.00	–	\$35.00	–	\$9.76	\$60.00

– = No data

**Comparison of Tipping Fees by County, continued**

<b>Description</b>	<b>Mesa County</b>	<b>South Canyon</b>	<b>Pitkin County</b>	<b>Summit County</b>	<b>Montezuma County</b>	<b>Garfield County</b>	<b>Delta County</b>	<b>Montrose County</b>	<b>Gunnison County</b>
Mattress & Box Spring	\$10.00	\$8.00	\$25.00 each or \$31.25 set	–	\$10.00	\$5.00	\$15.00	\$10.00	\$25.00
Late Entrance Fee	–	–	–	Double After Close	\$25 per Half Hour	–	–	–	–
Transfer Station Fee	\$15.00 per load	–	–	–	–	–	\$15.00 per CY	–	–
Other Funding Utilized	No	No	No	No	No	No	No	No	No

– = No data

### **8.1.2 Transfer Stations**

Of similar facilities to Mesa County, only Delta County has transfer stations and they also charge a flat \$15.00 drop off fee.

### 8.1.3 HHW

**Table 8.1.3-1  
HHW Facility Fee Comparison by County**

Description	Mesa County	South Canyon	Pitkin County	Summit County	Montezuma County	Garfield County	Delta County	Montrose County	Gunnison County
<b>E-Waste Recycling</b>	<b>Per Pound</b>	<b>Each</b>	<b>Each</b>	<b>Each</b>	<b>Each</b>	<b>Each</b>	<b>Per Pound</b>	<b>Per Pound</b>	<b>Per Pound</b>
Computer Monitor	\$0.65	\$20.00	\$20.00	\$9.00	\$22.00	\$10.00	\$0.60	\$0.60	\$0.79
CPU, DVD, VCR, Laptop	\$0.65	\$8.00 to \$15.00	\$20.00	\$9.00	\$3.00 to \$5.25	\$5.00 to \$10.00	\$0.60	\$0.60	\$0.79
TV <25 Inch, Printer, Scanner	\$0.65	\$12.00 to \$20.00	\$20.00	\$20.00	\$22.00	\$10.00 to \$20.00	\$0.60	\$0.60	\$0.79
TV >25 Inch	\$0.65	\$35.00 to \$60.00	\$45.00	\$0.50 per pound	\$22.00	\$20.00 to \$30.00	\$0.60	\$0.60	\$0.79
<b>Hazardous Waste Disposal</b>	<b>Per Pound</b>	<b>N/A</b>	<b>Each</b>	<b>Each</b>	<b>Each</b>	<b>Each</b>	<b>N/A</b>	<b>Each</b>	<b>N/A</b>
Ballast No PCB	—	—	\$1.00	\$4.00	—	—	—	\$5.00	—
Ballast PCB	\$1.40	—	\$1.00	\$6.00	—	—	—	\$5.00	—
Flourescent & CFL Bulb	\$0.13 per foot	—	\$0.50 per foot	\$0.50 to \$1.00	\$2.00	\$0.50	—	\$0.50 to \$1.00	—
Residential HHW	Free	—	\$1.00-\$10.00	\$4.00	—	—	—	\$0.50 to \$5.00	—
Commercial HHW	\$0.20 to \$4.62	—	\$1.00-\$10.00	\$6.00	—	—	—	\$0.50 to \$5.00	—

— = No data

## 8.1.4 Compost

**Table 8.1.4-1  
Compost Facility Drop-Off Fee Comparison by County**

Description	Mesa County	South Canyon	Pitkin County	Summit County	Montezuma County	Garfield County	Delta County	Montrose County	Gunnison County
Tonnage Fee	Per Load	Per Ton	Per Ton	Per Ton	Per Ton	N/A	N/A	N/A	Per Load
Green Yard Waste	Free	\$12.00	\$15.00	\$31.00	\$44.50	Landfill	Landfill	Landfill	\$1.00 per bag
Wood Chips	Free	\$8.00	\$45.00	\$5.00	\$44.50	Landfill	Landfill	Landfill	\$8.00 to \$32.00
Wood Slash	Free	\$35.00	\$45.00	\$12.00	\$44.50	Landfill	Landfill	Landfill	\$8.00 to \$32.00
Wood Stumps	Free	Landfill	Landfill	\$35.00	Landfill	Landfill	Landfill	Landfill	\$8.00 to \$32.00
Manure	Free	\$20.00	\$30.00	\$31.00	Landfill	Landfill	Landfill	Landfill	Landfill
Biosolids	Landfill	Landfill	\$30.00	\$33.00	Landfill	Landfill	Landfill	Landfill	\$68.40
Food Scrap	Landfill	Landfill	\$15.00	\$31.00	Landfill	Landfill	Landfill	Landfill	Landfill
Cardboard	Landfill	\$10.00	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill	Landfill

Landfill = Those materials are disposed of in the landfill

**Table 8.1.4-2  
Compost Facility Price Comparison by County**

Product For Sale	Per CY	Per Ton	Per Ton	Per CY	Per CY	N/A	N/A	Beaver Lakes Per CY	Per CY
Compost	\$36.00	\$30.00	\$43.00	\$19.00 to \$29.00	\$30.00	–	–	\$34.00 to \$52.00	\$25.00
Topsoil	–	\$40.00	\$34.00	–	–	–	–	\$22.00 to \$29.00	–
Wood Chips	\$16.00	\$30.00	\$30.00	–	\$5.25	–	–	\$25.00 to \$34.00	–
Potting Soil	–	–	\$40.00	–	–	–	–	\$51.00	–
Colored Wood Chip	–	–	\$80.00	–	–	–	–	\$65.00	–

– = No data

## 8.2 Analysis of Operations

MCSWM has provided the requested data necessary to prepare this Study. The components discussed in this section were used to determine adequate disposal rates necessary to fund operations and to provide reasonable certainty that the facility is not operating in a deficit.

Based upon the financial reports provided by MCSWM for 2016 through 2020 MCSWM has operated with a cash surplus in the operating accounts at the end of each year. The revenue versus expenditures are shown in table 8.2-1 below. It should be noted that while a cash surplus exists this does not account for future costs for items such as siting a new landfill, general infrastructure upgrades, cell construction, and the installation of a landfill gas system.

**Table 8.2-1**  
**Revenues vs. Expenditures (2016 – 2020)**

Year	Revenue	Expenditures	Net Revenue	Depreciation	Net Cash
2016	\$4,165,383.16	(\$3,682,376.79)	\$483,006.37	\$570,072.31	\$1,053,078.68
2017	\$5,602,859.79	(\$3,845,354.64)	\$1,757,505.15	\$547,497.69	\$2,305,002.84
2018	\$6,078,557.44	(\$4,288,537.82)	\$1,790,019.62	\$579,570.89	\$2,369,590.51
2019	\$6,497,928.44	(\$4,341,784.25)	\$2,156,144.19	\$646,821.11	\$2,802,965.30
2020	\$6,883,516.57	(\$4,952,070.68)	\$1,931,445.89	\$607,969.58	\$2,539,415.47
<b>TOTALS</b>	<b>\$29,228,245.40</b>	<b>(\$21,110,124.18)</b>	<b>\$8,118,121.22</b>	<b>\$2,951,931.58</b>	<b>\$11,070,052.80</b>

## 8.3 Rate Calculations

Contained in this section are rate calculations, along with the recommended changes to the facility fee structure and explanations for fee adjustments. The MCSWM budget has seven primary funding accounts as indicated in Table 8.3-1. Landfill administration expenditures account for more than just the disposal of solid waste in the landfill. Specifically, this account has been divided (utilizing percentages provided by MCSWM staff) into the other components under that account: landfill disposal, composting, transfer stations, and depreciation.

**Table 8.3-1  
Expenditures by Funding Account (2016 – 2020)**

Description	Percentage	Expenditures
<b>2016</b>		
Landfill Administration & Compost Facility	69.38%	\$2,554,816.09
Education	3.19%	\$117,565.09
Landfill - Hazardous Material	14.69%	\$541,067.26
Regulatory Compliance	10.01%	\$368,755.21
Solid Waste Capital	1.95%	\$71,931.01
Support Services	0.77%	\$28,242.13
<b>2016 Totals</b>	<b>100.00%</b>	<b>\$3,682,376.79</b>
<b>2017</b>		
Landfill Administration & Compost Facility	74.53%	\$2,865,906.98
Education	2.81%	\$108,106.92
Landfill - Hazardous Material	14.98%	\$575,879.74
Regulatory Compliance	6.29%	\$241,917.71
Solid Waste Capital	0.75%	\$28,751.57
Support Services	0.64%	\$24,791.72
<b>2017 Totals</b>	<b>100.00%</b>	<b>\$3,845,354.64</b>
<b>2018</b>		
Landfill Administration	66.40%	\$2,847,532.12
Education	0.43%	\$18,478.41
Landfill - Hazardous Material	11.81%	\$506,540.43
Regulatory Compliance	12.07%	\$517,688.78
Solid Waste Capital	2.83%	\$121,319.83
Support Services	0.68%	\$29,322.11
Compost Facility	5.77%	\$247,656.14
<b>2018 Totals</b>	<b>100.00%</b>	<b>\$4,288,537.82</b>
<b>2019</b>		
Landfill Administration	71.03%	\$3,083,838.77
Education	0.23%	\$9,822.54
Landfill - Hazardous Material	11.82%	\$513,131.02
Regulatory Compliance	8.32%	\$361,358.48
Solid Waste Capital	2.72%	\$117,948.29
Support Services	0.83%	\$35,928.98
Compost Facility	5.06%	\$219,756.17
<b>2019 Totals</b>	<b>100.00%</b>	<b>\$4,341,784.25</b>



**Expenditures by Funding Account (2016 – 2020), continued**

Description	Percentage	Expenditures
<b>2020</b>		
Landfill Administration	65.08%	\$3,222,648.03
Education	0.59%	\$29,226.62
Landfill - Hazardous Material	10.62%	\$525,986.79
Regulatory Compliance	11.67%	\$577,685.15
Solid Waste Capital	4.53%	\$224,523.66
Support Services	0.74%	\$36,432.34
Compost Facility	6.78%	\$335,568.09
<b>2020 Totals</b>	<b>100.00%</b>	<b>\$4,952,070.68</b>

The following summary table provides projections for capital outlay needs for construction projects and equipment replacement needs for the years 2021 through 2044. A more detailed breakdown of construction costs and equipment replacement costs is provided in Appendix C. WCG working with MCSWM staff has estimated the known costs that will arise within this time period. The estimated year of the purchase with an estimated cost for the item required is provided in Appendix C. Equipment is based upon number of years of useful life projections. This life projection can be adjusted based upon actual condition at the time of replacement.

**Table 8.3-2  
Projected Capital Outlay Costs (2021 – 2044)**

<b>Year</b>	<b>Construction Project Costs</b>	<b>Equipment Replacement Costs</b>	<b>Total Cost</b>
2021	\$415,000.00	\$1,155,000.00	\$1,570,000.00
2022	\$1,535,967.00	\$495,000.00	\$2,030,967.00
2023	\$2,415,000.00	\$780,000.00	\$3,195,000.00
2024	\$495,000.00	\$880,000.00	\$1,375,000.00
2025	\$3,571,500.00	\$205,000.00	\$3,776,500.00
2026	\$655,000.00	\$335,000.00	\$990,000.00
2027	\$495,000.00	\$232,187.00	\$727,187.00
2028	\$595,000.00	\$891,687.50	\$1,486,687.50
2029	\$495,000.00	\$249,900.00	\$744,900.00
2030	\$4,021,500.00	\$508,375.00	\$4,529,875.00
2031	\$495,000.00	\$1,703,625.00	\$2,198,625.00
2032	\$495,000.00	\$498,941.41	\$993,941.41
2033	\$545,000.00	\$907,628.91	\$1,452,628.91
2034	\$555,000.00	\$351,875.00	\$906,875.00
2035	\$4,521,500.00	\$457,001.25	\$4,978,501.25
2036	\$595,000.00	\$408,150.25	\$1,003,150.25
2037	\$695,000.00	\$426,154.40	\$1,121,154.40
2038	\$495,000.00	\$1,444,612.37	\$1,939,612.37
2039	\$495,000.00	\$205,000.00	\$700,000.00
2040	\$5,120,000.00	\$963,625.00	\$6,083,625.00
2041	\$545,000.00	\$1,240,468.75	\$1,785,468.75
2042	\$555,000.00	\$660,900.80	\$1,215,900.80
2043	\$495,000.00	\$856,011.50	\$1,351,011.50
2044	\$495,000.00	\$589,731.68	\$1,084,731.68
<b>Totals</b>	<b>\$30,795,467.00</b>	<b>\$16,445,875.82</b>	<b>\$47,241,342.82</b>

Projected Expenditures with Capital Outlay Plan (Table 8.3-3) provides a projection of expenditures, including capital outlay and reserve requirements. Table 8.3-3 provides a breakdown of the needs by each major component of the MCSWM operations.

**Table 8.3-3  
Projected Expenditures with Capital Outlay**

Description	2022	2023	2024	2025	2026	5 Year Totals	Annual Average
<b>Landfill</b>							
Operations	\$2,770,909.17	\$2,819,400.09	\$2,868,739.59	\$2,918,942.53	\$2,970,024.02	\$17,071,267.66	\$2,845,211.28
Capital Outlay - Construction	\$1,050,000.00	\$2,200,000.00	\$280,000.00	\$3,306,500.00	\$380,000.00	\$7,416,500.00	\$1,236,083.33
Capital Outlay - Equipment	\$325,000.00	\$525,000.00	\$225,000.00	\$100,000.00	\$230,000.00	\$2,255,000.00	\$375,833.33
Cleanup Mesa County Fund	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$90,000.00	\$15,000.00
<b>Hazardous Waste</b>							
Operations	\$535,191.56	\$544,557.41	\$554,087.17	\$563,783.69	\$573,649.91	\$3,297,256.52	\$549,542.75
Capital Outlay - Construction	—	—	\$250,000.00	—	—	\$250,000.00	\$41,666.67
Capital Outlay - Equipment	\$60,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$160,000.00	\$26,666.67
Cleanup Mesa County Fund	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$60,000.00	\$10,000.00
<b>Composting</b>							
Operations	\$341,441.36	\$347,416.58	\$353,496.37	\$359,682.56	\$365,977.00	\$2,103,582.76	\$350,597.13
Capital Outlay - Construction	—	\$270,967.00	—	—	—	\$270,967.00	\$45,161.17
Capital Outlay - Equipment	\$75,000.00	\$200,000.00	\$600,000.00	\$50,000.00	\$50,000.00	\$1,185,000.00	\$197,500.00
<b>Transfer Stations</b>							
Operations	\$127,187.50	\$129,413.28	\$131,678.01	\$133,982.38	\$136,327.07	\$783,588.24	\$130,598.04
Capital Outlay - Construction	—	—	—	—	\$60,000.00	\$60,000.00	\$10,000.00
Capital Outlay - Equipment	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$100,000.00	\$16,666.67

— = No capital outlay

**Projected Expenditures with Capital Outlay, continued**

<b>Description</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>5 Year Totals</b>	<b>Annual Average</b>
<b>Regulatory Compliance</b>							
Operations	\$587,794.64	\$598,081.05	\$608,547.46	\$619,197.05	\$630,032.99	\$3,621,338.34	\$603,556.39
Education	\$29,738.09	\$30,258.50	\$30,788.03	\$31,326.82	\$31,875.04	\$183,213.09	\$30,535.51
Support Services	\$36,083.63	\$36,715.10	\$37,357.61	\$38,011.37	\$38,676.57	\$222,307.31	\$37,051.22
<b>Reserves</b>							
Operations 6 Month Reserve	\$166,667.00	\$166,667.00	\$166,667.00	\$166,667.00	\$166,667.00	\$1,000,002.00	\$166,667.00
Landfill Replacement	\$250,000.00	\$250,000.00	\$250,000.00	\$250,000.00	\$250,000.00	\$1,500,000.00	\$250,000.00
Landfill Closure	\$480,000.00	\$480,000.00	\$480,000.00	\$480,000.00	\$480,000.00	\$2,880,000.00	\$480,000.00
Compost Closure	\$318.52	\$318.52	\$318.52	\$318.52	\$318.52	\$1,911.12	\$318.52
Biosolids Closure	\$137.65	\$137.65	\$137.65	\$137.65	\$137.65	\$825.90	\$137.65
<b>Grand Totals</b>	<b>\$7,141,436.12</b>	<b>\$8,382,965.17</b>	<b>\$6,891,817.41</b>	<b>\$9,073,549.56</b>	<b>\$6,418,685.77</b>	<b>\$44,512,759.94</b>	<b>\$7,418,793.32</b>
Current Revenue Budget	\$7,124,880.00	\$7,124,880.00	\$7,124,880.00	\$7,124,880.00	\$7,124,880.00	\$42,582,988.06	\$7,097,164.68
Excess or (Shortfall)	\$(16,556.12)	\$(1,258,085.17)	\$233,062.59	\$(1,948,669.56)	\$706,194.23	\$(1,929,771.88)	\$(321,628.65)
% of Increase Required	0.23%	17.66%	-3.27%	27.35%	-9.91%	4.53%	4.53%

Table 8.3-4 provides a comparison of current service fees to recommended service fees. Current recommendations are to only adjust a few of the fees.

**Table 8.3-4  
Comparison of Current Service Fees to Proposed Service Fees**

Description	Unit	Current Fee per Unit	Proposed Fee per Unit
<b>Landfill Tipping Fees</b>			
Loose Trash	Per Ton	\$36.00	\$39.00
Compacted Trash	Per Ton	-	\$37.00
Minimum Fee	Fixed	\$10.00	\$20.00
<b>Special Waste Items</b>			
Sludge	Per Ton	\$24.50	\$25.00
Clean Soil	Per Ton	Free	Free
Screenings	Per Ton	-	\$39.00
Mattress or Box Spring	Each	-	\$15.00
Contaminated Soil	Per Ton	\$50.00	\$50.00
Asbestos Non Friable	Per Ton	\$36.00	\$39.00
Asbestos Friable	Per Yard	\$60.00	\$60.00
<b>Special Burial Fees</b>			
Minimum Fee	Per Day	\$50.00	\$50.00
10-20 Yards	Per Day	\$100.00	\$100.00
20+ Yards	Per Day	\$200.00	\$200.00
<b>Tires</b>			
Standard	Each	\$5.00	\$5.00
Standard on Rim	Each	\$10.00	\$10.00
Truck Tires	Each	\$10.00	\$10.00
Truck Tires on Rim	Each	\$20.00	\$20.00
Bulk Tire Delivery	Per Ton	\$300.00	\$300.00
<b>Compost Facility Fees</b>			
Residential Drop Off Fee	N/A	Free	Free
Commercial Drop Off Pick Up Truck	N/A	Free	\$5.00
Commercial Drop Off Trailer up to 14-feet	N/A	Free	\$10.00
Commercial Drop Off Trailer > 14-feet and Dump Trucks	N/A	Free	\$15.00
<b>Western Colorado Compost ½-inch</b>			
Bagged	Each	\$4.74	\$4.75
Pallet	Each	-	\$105
1-9 Yards	Per Yard	-	\$28.50
10+ Yards	Per Yard	-	\$23.75
100+ Yards	Per Yard	-	\$19.00
<b>Western Colorado Compost 1/4-inch</b>			
Bagged	Each	-	\$5.25

**Comparison of Current Service Fees to Proposed Service Fees, continued**

<b>Description</b>	<b>Unit</b>	<b>Current Fee per Unit</b>	<b>Proposed Fee per Unit</b>
Pallett	Each	-	\$118.00
1-9 Yards	Per Yard	-	\$33.25
10+ Yards	Per Yard	-	\$28.50
100+ Yards	Per Yard	-	\$23.75
Ultra Fine Compost			
Bagged	Each	-	\$5.75
Pallett	Each	-	\$130.00
1-9 Yards	Per Yard	-	\$38.00
10+ Yards	Per Yard	-	\$33.25
100+ Yards	Per Yard	-	\$28.50
Wood Mulch -Small			
1-9 Yards	Per Yard	-	\$14.25
10+ Yards	Per Yard	-	\$9.50
Wood Mulch-Large			
1-9 Yards	Per Yard	-	\$9.50
10+ Yards	Per Yard	-	\$4.75
<b>Transfer Station Fees</b>			
All locations			
All locations	Per Load	\$15.00	\$15.00
Special Waste	N/A		
Const. & Demo. Debris	N/A		

**HHW Fee Adjustments**

Discuss fee adjustments in general terms but add the table to an appendix.

**Fees Recommended to be Adjusted**

1. Landfill tipping fees for loose trash – The recommendation is to increase this fee 6.5% from \$36 to \$39 per ton. This fee increase is reflected in Table 8.3-3. Therefore, between 2022 and 2026, the County will need to increase fees by an additional 4.5% or a projected \$1,929,771.88 deficit over the next 5 years.
2. Landfill tipping fees for compacted trash – The recommendation is to increase the tipping fee from \$36 to \$37.
3. Composting Drop off and Mulch prices – The recommendation is that a fee be charged for commercial drop off of organic material for composting feedstocks. The fees for mulch should be adjusted to reflect the amount of labor required to produce the various items as reflected in the table above.
4. HHW fees – The HHW fees should be adjusted so that, at a minimum, the cost of disposal for each item is covered. The updated fee schedule for the HHW is provided in Appendix B.

## **Fees Recommended for No Adjustment**

1. Transfer station fees – No recommended changes for these fees at this time. The transfer station services are operating in a deficit, but the concern is that an increase in fees for this service historically can and will increase illegal dumping.
2. Sludge represents a small volume of incoming material and an increase would not have a large impact on revenue balance.
3. Contaminated Soils represent a small volume of incoming material and an increase would not have a large impact on revenue balance.
4. Tires represent a small volume of incoming material and an increase would not have a large impact on revenue balance.

Annual positive net revenue achieved with the recommended rate adjustments will assist with the funding of capital outlay and the funding of the reserve accounts needed for the future. Table 8.3-3 provides a 5 year projection of net revenues, capital outlay and reserve requirements for MCSWM. The capital outlay requirements are primarily related to construction projects and equipment replacement as identified by MCSWM staff. Implementation of recommended fee adjustments should ensure funding for these construction projects and equipment needs in the future. A detailed summary of construction and equipment capital costs is provided in Appendix C.

## **8.4 Additional Observations**

This section provides additional observations derived during our analysis of the MCSWM facilities fees and services.

### **8.4.1 In County Competitors**

Within the past year, a privately owned landfill received a permit to operate. The owner of the facility has recently purchased two of the largest hauling companies in Mesa County. Landfill personnel anticipate an approximate 25% of the current waste volume will be diverted to this newly opened landfill. In 2020, Mesa County received 98,633.27 tons of compacted waste at approximately \$33.00 per ton (\$3,254,672.00 of revenue). A reduction of 25% would reduce the MSW quantity to 73,974 tons or \$ 2,441,173 of revenue. A revenue reduction of \$813,499 in revenue. This would amount to approximately half of the net positive revenue for 2020.

### **8.4.2 Closure of Transfer Stations**

The transfer stations operated by the County account for less than 1% of the total waste tonnage accepted at the landfill. The transfer stations also operate at a deficit with the exception of the Fruita transfer station. Additionally, more than 95% of the waste accepted through the transfer stations are from the Fruita and Molina transfer stations.

For the small quantity of waste accepted at the De Beque and Gateway transfer stations, the County may consider closing those transfer stations for MSW drop off.



**APPENDIX A**

**EXPENDITURE HISTORY BREAKDOWN BY ACCOUNT**

**Table 4.1-1 Expenditure History Comparison Landfill Administration (30201)**

Description	2020 Actual	2019 Actual	2018 Actual	2017 Actual	2016 Actual
<b>Personnel Services</b>					
Compensation Permanent	\$ 573,100.44	\$ 596,412.24	\$ 598,854.05	\$ 689,741.31	\$ 683,806.78
Compensation Temporary	\$ 58,572.93	\$ 72,917.82	\$ 79,649.30	\$ 38,140.31	\$ 26,929.44
Overtime Permanent	\$ 15,028.36	\$ 27,633.97	\$ 20,815.99	\$ 21,452.13	\$ 17,359.82
Overtime Temporary	\$ 2,131.78	\$ 2,559.38	\$ 6,469.33	\$ 757.89	\$ -
Vacation	\$ 21,542.20	\$ 23,902.27	\$ 22,875.50	\$ 23,406.68	\$ 295.49
Sick Leave	\$ 16,696.87	\$ 33,282.50	\$ 19,961.37	\$ 16,125.36	\$ 26,369.51
Bonus Plan	\$ -	\$ -	\$ -	\$ 11,369.82	\$ 8,181.04
FICA Taxes	\$ 50,413.18	\$ 54,993.82	\$ 54,556.15	\$ 58,556.75	\$ 55,500.08
Retirement Contributions	\$ 18,918.78	\$ 19,495.81	\$ 19,128.88	\$ 21,826.75	\$ 21,172.96
Health Benefits	\$ 101,640.22	\$ 121,439.21	\$ 100,767.11	\$ 100,425.58	\$ 101,006.77
Dental Insurance	\$ -	\$ -	\$ -	\$ 758.26	\$ 823.41
Life Insurance	\$ 586.56	\$ 644.17	\$ 654.29	\$ 617.57	\$ 435.16
Employee Assistance Program	\$ 552.24	\$ 640.36	\$ 580.51	\$ 527.12	\$ 493.27
Workman's Compensation Premium	\$ 31,076.83	\$ 51,245.64	\$ 45,718.03	\$ 41,160.08	\$ 38,494.59
Accidental Death and Dismemberment	\$ 61.75	\$ 67.81	\$ 68.87	\$ 76.60	\$ 75.73
Long-Term Disability	\$ 1,454.73	\$ 1,537.16	\$ 1,516.02	\$ 2,311.78	\$ 2,188.96
Temporary Services	\$ 2,277.90	\$ -	\$ -	\$ -	\$ -
Compensated Absences	\$ 16,981.73	\$ 5,706.44	\$ (540.61)	\$ 8,031.53	\$ 5,334.16
<b>Total Personnel Services</b>	<b>\$ 911,036.50</b>	<b>\$ 1,012,478.60</b>	<b>\$ 971,074.79</b>	<b>\$ 1,035,285.52</b>	<b>\$ 988,467.17</b>
<b>Operating Expense - Supplies</b>					
Office Supplies	\$ 2,074.70	\$ 5,287.40	\$ 3,920.80	\$ 7,142.11	\$ 6,516.10
Site Supplies	\$ 8,438.93	\$ 3,243.69	\$ 482.76	\$ -	\$ -
Employee Awards	\$ 200.00	\$ 1,276.01	\$ 214.90	\$ -	\$ -
Small Equipment	\$ -	\$ -	\$ -	\$ 600.00	\$ 97.76
Food	\$ 909.88	\$ 450.90	\$ 1,072.18	\$ 627.99	\$ 373.35
Clothing	\$ 1,909.70	\$ 6,124.87	\$ 5,675.23	\$ 3,808.83	\$ 2,340.53
Other Operating Supplies	\$ 131,300.75	\$ 233,022.63	\$ 292,817.01	\$ 279,870.78	\$ 226,027.64
Gas and Diesel	\$ -	\$ 187,298.01	\$ 195,944.92	\$ 131,144.56	\$ 127,937.65
Signs and Sign Materials	\$ -	\$ 2,221.00	\$ 1,390.00	\$ 1,190.00	\$ -
Books	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Operating Expense - Supplies</b>	<b>\$ 144,833.96</b>	<b>\$ 438,924.51</b>	<b>\$ 501,517.80</b>	<b>\$ 424,384.27</b>	<b>\$ 363,293.03</b>

- = No expenditure

**Table 4.1-1 Expenditure History Comparison Landfill Administration (30201)**

Description	2020 Actual	2019 Actual	2018 Actual	2017 Actual	2016 Actual
<b>Operating Expense - Purchased Services</b>					
Postage	\$ 303.70	\$ 777.13	\$ 376.03	\$ 730.75	\$ 944.24
Telephone	\$ 7,235.70	\$ 6,593.32	\$ 6,332.68	\$ 4,664.71	\$ 5,776.90
Fleet Maintenance Service	\$ 668,133.90	\$ 8.16	\$ -	\$ -	\$ 5,597.62
Printing	\$ 478.58	\$ 231.28	\$ -	\$ 2,618.13	\$ 120.00
Advertising	\$ -	\$ 19,426.49	\$ 3,158.87	\$ -	\$ (12.00)
Subscriptions	\$ 19.00	\$ 141.32	\$ -	\$ -	\$ -
Registrations and Seminars	\$ 215.00	\$ 2,323.90	\$ 5,894.17	\$ 3,577.00	\$ 2,579.00
Memberships	\$ 1,565.00	\$ 890.00	\$ 1,472.33	\$ 2,494.00	\$ 921.50
Electricity	\$ 18,267.75	\$ 20,507.05	\$ 23,854.16	\$ 21,496.44	\$ 19,613.69
Water	\$ 2,802.79	\$ 8,616.11	\$ 20,219.19	\$ 13,939.32	\$ 10,228.04
Sewer	\$ 7,425.00	\$ 8,845.00	\$ 10,180.00	\$ 7,905.00	\$ 7,905.00
Gas	\$ 11,474.75	\$ 5,191.17	\$ 7,226.45	\$ -	\$ -
Testing Services	\$ -	\$ 5,617.30	\$ 1,612.40	\$ 1,867.85	\$ 4,885.75
Accounting Services	\$ 31.72	\$ 1,996.62	\$ 28.20	\$ -	\$ -
Administration Indirect Charges	\$ 102,436.00	\$ 102,510.00	\$ 110,160.00	\$ 127,970.00	\$ 93,003.00
Consultant Services	\$ -	\$ 29,611.35	\$ 19,462.19	\$ 18,158.37	\$ 14,773.75
R&M Heavy Equipment	\$ 46,159.66	\$ 147,961.42	\$ 31,456.69	\$ 15,529.78	\$ 2,852.87
R&M Buildings	\$ 12,464.56	\$ 25,878.99	\$ 5,133.95	\$ 7,507.24	\$ 2,495.60
R&M Grounds	\$ 3,627.93	\$ 8,110.27	\$ 2,185.32	\$ 9,236.62	\$ 1,329.00
Bank Fees	\$ 214.28	\$ 175.96	\$ -	\$ (30.00)	\$ -
Credit Card 3rd Party Process Fee	\$ -	\$ -	\$ -	\$ 557.61	\$ 932.14
Contract Labor	\$ 67,122.27	\$ 14,246.93	\$ 36,802.36	\$ 30,376.79	\$ 3,124.91
Other Purchased Service	\$ 31,005.26	\$ 8,459.29	\$ 216.00	\$ 25,286.61	\$ 426.45
<b>Total Operating Expense - Purchased Services</b>	<b>\$ 980,982.85</b>	<b>\$ 418,119.06</b>	<b>\$ 285,770.99</b>	<b>\$ 293,886.22</b>	<b>\$ 177,497.46</b>
<b>Operating Expense - Travel and Subsistence</b>					
Staff Mileage	\$ -	\$ -	\$ -	\$ 309.23	\$ 76.20
Lodging	\$ -	\$ 474.40	\$ 1,296.99	\$ 2,282.33	\$ 669.17
Air Fare	\$ -	\$ 316.00	\$ -	\$ -	\$ -
Car Rental	\$ -	\$ 232.66	\$ 582.94	\$ 1,169.70	\$ 1,010.34
Meals	\$ -	\$ -	\$ -	\$ 598.00	\$ 364.00
Other Travel	\$ -	\$ -	\$ -	\$ -	\$ 732.00
<b>Total Operating Expense - Travel and Subsistence</b>	<b>\$ -</b>	<b>\$ 1,023.06</b>	<b>\$ 1,879.93</b>	<b>\$ 4,359.26</b>	<b>\$ 2,851.71</b>

-- No expenditure

**Table 4.1-1 Expenditure History Comparison Landfill Administration (30201)**

<b>Description</b>	<b>2020 Actual</b>	<b>2019 Actual</b>	<b>2018 Actual</b>	<b>2017 Actual</b>	<b>2016 Actual</b>
<b>Operating Expense - Fixed Charges</b>					
Other Insurance	\$ -	\$ 52.50	\$ -	\$ -	\$ -
Land Rental	\$ 30.00	\$ -	\$ -	\$ 10.00	\$ 10.00
Equipment Rental	\$ 110,670.10	\$ 82,770.49	\$ 54,623.74	\$ 51,420.29	\$ 3,839.90
Depreciation	\$ 575,698.85	\$ 646,821.11	\$ 579,570.89	\$ 547,497.69	\$ 570,072.31
Licenses and Permits	\$ -	\$ 48,232.44	\$ 53,262.98	\$ 100,219.46	\$ 2,000.00
<b>Total Operating Expense - Fixed Charges</b>	<b>\$ 686,398.95</b>	<b>\$ 777,876.54</b>	<b>\$ 687,457.61</b>	<b>\$ 699,147.44</b>	<b>\$ 575,922.21</b>
<b>Total Operating Expense</b>	<b>\$ 1,812,215.76</b>	<b>\$ 1,635,943.17</b>	<b>\$ 1,476,626.33</b>	<b>\$ 1,421,777.19</b>	<b>\$ 1,119,564.41</b>
<b>Grants, Contributions, Indemnity and Other</b>					
Other Losses	\$ -	\$ -	\$ -	\$ 22,099.50	\$ 72,995.51
Landfill Closure Costs	\$ -	\$ 435,417.00	\$ 399,831.00	\$ 382,924.00	\$ 373,789.00
<b>Total Grants, Contributions, Indemnity and Other</b>	<b>\$ -</b>	<b>\$ 435,417.00</b>	<b>\$ 399,831.00</b>	<b>\$ 405,023.50</b>	<b>\$ 446,784.51</b>
<b>Total Landfill Administration</b>	<b>\$ 2,723,252.26</b>	<b>\$ 3,083,838.77</b>	<b>\$ 2,847,532.12</b>	<b>\$ 2,862,086.21</b>	<b>\$ 2,554,816.09</b>

- = No expenditure

Table 4.1-2 Expenditure History Comparison: Education (30202)

Description	2020 Actual	2019 Actual	2018 Actual	2017 Actual	2016 Actual
<b>Personnel Services</b>					
Compensation Permanent	\$ -	\$ -	\$ -	\$ 47,746.85	\$ 49,203.30
Vacation	\$ -	\$ -	\$ -	\$ 1,001.35	\$ 1,602.16
Sick Leave	\$ -	\$ -	\$ -	\$ 1,938.98	\$ 1,065.07
Bonus Plan	\$ -	\$ -	\$ -	\$ 812.13	\$ -
FICA Taxes	\$ -	\$ -	\$ -	\$ 3,519.90	\$ 3,649.55
Retirement Contributions	\$ -	\$ -	\$ -	\$ 1,520.62	\$ 1,556.13
Health Benefits	\$ -	\$ -	\$ -	\$ 9,912.42	\$ 9,934.23
Dental Insurance	\$ -	\$ -	\$ -	\$ 53.41	\$ 59.77
Life Insurance	\$ -	\$ -	\$ -	\$ 35.85	\$ 26.18
Employee Assistance Program	\$ -	\$ -	\$ 31.21	\$ 28.34	\$ 26.52
Workman's Compensation Premium	\$ -	\$ -	\$ -	\$ 526.23	\$ 249.02
Accidental Death and Dismemberment	\$ -	\$ -	\$ -	\$ 4.46	\$ 4.54
Long-Term Disability	\$ -	\$ -	\$ -	\$ 163.37	\$ 161.41
Compensated Absences	\$ -	\$ -	\$ -	\$ -	\$ 5,019.63
<b>Total Personnel Services</b>	\$ -	\$ -	\$ 31.21	\$ 67,263.91	\$ 72,557.51
<b>Operating Expense - Supplies</b>					
Office Supplies	\$ -	\$ -	\$ -	\$ -	\$ 12.59
Food	\$ -	\$ 20.50	\$ -	\$ -	\$ -
Other Operating Supplies	\$ 815.00	\$ 1,943.59	\$ 54.44	\$ 284.51	\$ 50.21
<b>Total Operating Expense - Supplies</b>	\$ 815.00	\$ 1,964.09	\$ 54.44	\$ 284.51	\$ 62.80

- = No expenditure

**Table 4.1-2 Expenditure History Comparison: Education (30202)**

<b>Description</b>	<b>2020 Actual</b>	<b>2019 Actual</b>	<b>2018 Actual</b>	<b>2017 Actual</b>	<b>2016 Actual</b>
<b>Operating Expense - Purchased Services</b>					
Telephone	\$ -	\$ -	\$ -	\$ 420.00	\$ 875.89
Printing	\$ 624.90	\$ 194.59	\$ -	\$ 1,323.49	\$ 553.47
Advertising	\$ 26,566.67	\$ 5,256.60	\$ 15,966.54	\$ 37,188.06	\$ 41,640.62
Registrations and Seminars	\$ -	\$ -	\$ 150.00	\$ -	\$ -
Contract Labor	\$ 1,220.05	\$ 2,407.26	\$ 2,276.22	\$ 1,626.95	\$ 1,874.80
<b>Total Operating Expense - Purchased Services</b>	\$ 28,411.62	\$ 7,858.45	\$ 18,392.76	\$ 40,558.50	\$ 44,944.78
<b>Total Operating Expense</b>	\$ 29,226.62	\$ 9,822.54	\$ 18,447.20	\$ 40,843.01	\$ 45,007.58
<b>Total Landfill Education</b>	\$ 29,226.62	\$ 9,822.54	\$ 18,478.41	\$ 108,106.92	\$ 117,565.09

- = No expenditure

**Table 4.1-3 Expenditure History Comparison: Landfill Hazardous Material (30203)**

Description	2020 Actual	2019 Actual	2018 Actual	2017 Actual	2016 Actual
<b>Personnel Services</b>					
Compensation Permanent	\$ 158,039.76	\$ 162,620.36	\$ 160,592.37	\$ 147,096.27	\$ 117,599.08
Compensation Temporary	\$ 21,605.27	\$ 17,384.20	\$ 25,693.51	\$ 29,358.33	\$ 58,431.30
Overtime Permanent	\$ 355.18	\$ 8.96	\$ 360.68	\$ -	\$ -
Overtime Temporary	\$ 37.13	\$ 761.06	\$ 74.25	\$ -	\$ -
Vacation	\$ 6,740.40	\$ 9,443.01	\$ 12,460.63	\$ 8,200.04	\$ 2,769.76
Sick Leave	\$ 10,712.04	\$ 10,341.25	\$ 3,217.65	\$ 6,966.79	\$ 4,244.15
Bonus Plan	\$ -	\$ -	\$ -	\$ 1,353.55	\$ -
FICA Taxes	\$ 14,599.92	\$ 14,918.43	\$ 14,848.10	\$ 13,665.89	\$ 12,804.32
Retirement Contributions	\$ 5,510.63	\$ 5,472.16	\$ 5,128.64	\$ 4,828.92	\$ 3,731.84
Health Benefits	\$ 32,565.40	\$ 32,569.82	\$ 25,585.02	\$ 34,429.17	\$ 35,709.00
Dental Insurance	\$ -	\$ -	\$ -	\$ 200.23	\$ 154.32
Life Insurance	\$ 165.82	\$ 176.80	\$ 164.59	\$ 129.81	\$ 68.10
Employee Assistance Program	\$ 141.60	\$ 137.71	\$ 93.63	\$ 85.02	\$ 79.56
Workman's Compensation Premium	\$ 9,497.59	\$ 15,383.77	\$ 15,154.60	\$ 6,371.51	\$ 5,280.52
Accidental Death and Dismemberment	\$ 17.45	\$ 18.61	\$ 17.32	\$ 16.24	\$ 11.73
Long-Term Disability	\$ 405.61	\$ 433.07	\$ 390.80	\$ 520.69	\$ 381.44
Temporary Services	\$ -	\$ -	\$ -	\$ -	\$ 870.33
Compensated Absences	\$ -	\$ -	\$ -	\$ 1,837.29	\$ -
<b>Total Personnel Services</b>	\$ 260,393.80	\$ 269,669.21	\$ 263,781.79	\$ 255,059.75	\$ 242,135.45
<b>Operating Expense - Supplies</b>					
Office Supplies	\$ 462.96	\$ 482.95	\$ 1,021.43	\$ 76.16	\$ 487.78
Computer Supplies	\$ 1,581.17	\$ -	\$ 100.00	\$ -	\$ 1,616.99
Site Supplies	\$ 55,618.80	\$ 735.21	\$ 35,806.32	\$ 54,834.70	\$ 52,673.78
Employee Awards	\$ 70.00	\$ 25,728.61	\$ -	\$ -	\$ -
Small Equipment	\$ 389.54	\$ -	\$ -	\$ -	\$ -

- = No expenditure

**Table 4.1-3 Expenditure History Comparison: Landfill Hazardous Material (30203)**

Description	2020 Actual	2019 Actual	2018 Actual	2017 Actual	2016 Actual
Food	\$ 69.62	\$ -	\$ 204.79	\$ -	\$ 42.33
Clothing	\$ 709.98	\$ 582.16	\$ 610.97	\$ 664.93	\$ 689.86
Safety Equipment and Supplies	\$ -	\$ 1,487.29	\$ 1,263.00	\$ 1,251.00	\$ 795.00
Other Operating Supplies	\$ 940.86	\$ 1,353.82	\$ 792.42	\$ 937.31	\$ 1,581.14
Books	\$ -	\$ -	\$ 242.53	\$ -	\$ 30.02
<b>Total Operating Expense - Supplies</b>	<b>\$ 59,842.93</b>	<b>\$ 30,370.04</b>	<b>\$ 40,041.46</b>	<b>\$ 57,764.10</b>	<b>\$ 57,916.90</b>
<b>Operating Expense - Purchased Services</b>					
Postage	\$ 3,015.19	\$ 88.46	\$ 374.72	\$ 566.60	\$ 558.93
Telephone	\$ 972.88	\$ 905.47	\$ 1,060.52	\$ 1,597.08	\$ 1,204.50
Freight	\$ -	\$ 158.44	\$ 16.14	\$ 189.94	\$ 57.72
Fleet Maintenance Service	\$ 1,273.29	\$ -	\$ -	\$ -	\$ 149.57
Printing	\$ 67.81	\$ -	\$ -	\$ -	\$ -
Advertising	\$ -	\$ 675.00	\$ -	\$ -	\$ -
Registrations and Seminars	\$ 830.00	\$ 3,805.50	\$ 6,318.22	\$ 4,192.00	\$ 2,499.00
Memberships	\$ 150.00	\$ 590.00	\$ 1,121.00	\$ 712.00	\$ 1,507.00
Electricity	\$ 5,925.26	\$ 4,480.70	\$ -	\$ 593.99	\$ 1,858.61
Water	\$ 628.98	\$ 497.27	\$ 584.71	\$ 356.72	\$ -
Sewer	\$ 2,100.00	\$ 1,740.00	\$ 2,604.77	\$ 3,570.00	\$ 2,418.26
Hazardous Waste Disposal	\$ 76,507.78	\$ 146,934.46	\$ 163,213.01	\$ 214,808.35	\$ 194,879.41
Recycled Materials	\$ 95,333.92	\$ 12,316.71	\$ 8,243.30	\$ 9,842.30	\$ 10,619.20
Medical Services	\$ 4,862.45	\$ 3,765.75	\$ 3,828.19	\$ 2,808.16	\$ 3,209.60
Testing Services	\$ 3,665.00	\$ 3,780.00	\$ 3,033.90	\$ 1,474.02	\$ 399.88
R&M Buildings	\$ 3,940.26	\$ 31,803.66	\$ 10,026.71	\$ 12,825.28	\$ 9,326.71
Credit Card 3rd Party Process Fee	\$ -	\$ -	\$ -	\$ 630.48	\$ 945.71
Contract Labor	\$ -	\$ -	\$ -	\$ 1,500.00	\$ 6,412.95
Other Purchased Service	\$ 6,477.24	\$ 168.00	\$ 37.69	\$ -	\$ -
<b>Total Operating Expense - Purchased Services</b>	<b>\$ 205,750.06</b>	<b>\$ 211,709.42</b>	<b>\$ 200,462.88</b>	<b>\$ 255,666.92</b>	<b>\$ 236,047.05</b>

- = No expenditure



**Table 4.1-3 Expenditure History Comparison: Landfill Hazardous Material (30203)**

<b>Description</b>	<b>2020 Actual</b>	<b>2019 Actual</b>	<b>2018 Actual</b>	<b>2017 Actual</b>	<b>2016 Actual</b>
<b>Operating Expense - Travel and Subsistence</b>					
Staff Mileage	\$ -	\$ 152.54	\$ 145.52	\$ 495.41	\$ -
Lodging	\$ -	\$ -	\$ 1,013.56	\$ 2,633.02	\$ 2,126.69
Air Fare	\$ -	\$ -	\$ 100.00	\$ 1,743.30	\$ 959.40
Car Rental	\$ -	\$ 954.44	\$ 98.22	\$ 1,094.24	\$ 715.77
Meals	\$ -	\$ 111.00	\$ 737.00	\$ 1,223.00	\$ 826.00
Other Travel	\$ -	\$ -	\$ -	\$ 40.00	\$ 20.00
<b>Total Operating Expense - Travel and Subsistence</b>	\$ -	\$ 1,217.98	\$ 2,094.30	\$ 7,228.97	\$ 4,647.86
<b>Operating Expense - Fixed Charges</b>					
Licenses and Permits	\$ -	\$ 164.37	\$ 160.00	\$ 160.00	\$ 320.00
<b>Total Operating Expense - Fixed Charges</b>	\$ -	\$ 164.37	\$ 160.00	\$ 160.00	\$ 320.00
<b>Total Operating Expense</b>	\$ 265,592.99	\$ 243,461.81	\$ 242,758.64	\$ 320,819.99	\$ 298,931.81
<b>Total Landfill Hazardous Material</b>	\$ 525,986.79	\$ 513,131.02	\$ 506,540.43	\$ 575,879.74	\$ 541,067.26

- = No expenditure

**Table 4.1-4 Expenditure History Comparison: Regulatory Compliance (30204)**

Description	2020 Actual	2019 Actual	2018 Actual	2017 Actual	2016 Actual
<b>Personnel Services</b>					
Compensation Permanent	\$ 56,268.74	\$ 57,635.07	\$ 49,493.97	\$ 1,074.12	\$ -
Vacation	\$ 2,889.22	\$ 1,887.55	\$ 1,020.73	\$ 109.24	\$ -
Sick Leave	\$ 2,982.91	\$ 1,249.62	\$ 771.13	\$ -	\$ -
FICA Taxes	\$ 4,320.48	\$ 4,245.13	\$ 3,559.21	\$ 81.82	\$ -
Retirement Contributions	\$ 1,864.18	\$ 1,823.19	\$ 1,538.56	\$ 35.50	\$ -
Health Benefits	\$ 15,340.45	\$ 13,581.26	\$ 11,505.21	\$ 282.50	\$ -
Dental Insurance	\$ -	\$ -		\$ -	\$ -
Life Insurance	\$ 45.88	\$ 45.78	\$ 41.85	\$ 1.04	\$ -
Employee Assistance Program	\$ 35.40	\$ -	\$ -	\$ -	\$ -
Workman's Compensation Premium	\$ 3,095.42	\$ 4,679.45	\$ 3,949.00	\$ 91.12	\$ -
Accidental Death and Dismemberment	\$ 4.83	\$ 4.82	\$ 4.40	\$ 0.11	\$ -
Long-Term Disability	\$ 149.10	\$ 145.83	\$ 123.08	\$ 2.84	\$ -
Compensated Absences	\$ -	\$ -	\$ -	\$ 1,740.67	\$ -
<b>Total Personnel Services</b>	\$ 86,996.61	\$ 85,297.70	\$ 72,007.14	\$ 3,418.96	\$ -
<b>Operating Expense - Supplies</b>					
Other Operating Supplies	\$ 16,389.72	\$ 5,275.22	\$ 24,313.10	\$ -	\$ -
<b>Total Operating Expense - Supplies</b>	\$ 16,389.72	\$ 5,275.22	\$ 24,313.10	\$ -	\$ -
<b>Operating Expense - Purchased Services</b>					
Postage	\$ 179.85	\$ 180.73	\$ 251.01	\$ -	\$ -
Telephone	\$ -	\$ -	\$ 70.00	\$ -	\$ -
Registrations and Seminars	\$ 265.00	\$ 325.00	\$ 113.98	\$ -	\$ -
Testing Services	\$ 8,838.65	\$ 185.00	\$ 1,500.00	\$ -	\$ -
Consultant Services	\$ 240,916.23	\$ 106,592.54	\$ 260,854.28	\$ 132,115.22	\$ 160,408.43

- = No expenditure

**Table 4.1-4 Expenditure History Comparison: Regulatory Compliance (30204)**

Description	2020 Actual	2019 Actual	2018 Actual	2017 Actual	2016 Actual
<b>Total Operating Expense - Purchased Services</b>	\$ 250,199.73	\$ 107,283.27	\$ 262,789.27	\$ 132,115.22	\$ 160,408.43
<b>Operating Expense - Travel and Subsistence</b>					
Meals	\$ -	\$ 170.08	\$ 227.36	\$ -	\$ -
Other Travel	\$ -	\$ 613.37	\$ -	\$ -	\$ -
<b>Total Operating Expense - Travel and Subsistence</b>	\$ -	\$ 783.45	\$ 227.36	\$ -	\$ -
<b>Operating Expense - Fixed Charges</b>					
Licenses and Permits	\$ 224,099.09	\$ 162,718.84	\$ 158,351.91	\$ 106,383.53	\$ 208,346.78
<b>Total Operating Expense - Fixed Charges</b>	\$ 224,099.09	\$ 162,718.84	\$ 158,351.91	\$ 106,383.53	\$ 208,346.78
<b>Total Operating Expense</b>	\$ 490,688.54	\$ 276,060.78	\$ 445,681.64	\$ 238,498.75	\$ 368,755.21
<b>Total Landfill Regulatory Compliance</b>	\$ 577,685.15	\$ 361,358.48	\$ 517,688.78	\$ 241,917.71	\$ 368,755.21

- = No expenditure

**Table 4.1-5 Expenditure History Comparison: Solid Waste Capital (30205)**

Description	2020 Actual	2019 Actual	2018 Actual	2017 Actual	2016 Actual
<b>Operating Expense - Supplies</b>					
Computer Supplies	\$ -	\$ -	\$ -	\$ 2,053.92	\$ -
Other Operating Supplies	\$ -	\$ -	\$ -	\$ 3,030.00	\$ -
<b>Total Operating Expense - Supplies</b>	\$ -	\$ -	\$ -	\$ 5,083.92	\$ -
<b>Operating Expense - Purchased Services</b>					
R&M Grounds	\$ -	\$ 17,311.00	\$ -	\$ 3,247.65	\$ -
Other Purchased Service	\$ 3,025.00	\$ -	\$ -	\$ -	\$ -
<b>Total Operating Expense - Purchased Services</b>	\$ 3,025.00	\$ 17,311.00	\$ -	\$ 3,247.65	\$ -
<b>Total Operating Expense</b>	\$ 3,025.00	\$ 17,311.00	\$ -	\$ 8,331.57	\$ -
<b>Capital Outlay</b>					
Heavy Equipment	\$ 321,784.00	\$ 35,655.20	\$ 3,717.00	\$ 16,270.00	\$ -
Other Equipment	\$ 62,097.28	\$ -	\$ -	\$ -	\$ -
Construction Contracts	\$ 221,998.66	\$ 64,982.09	\$ 117,602.83	\$ 4,150.00	\$ 71,931.01
<b>Total Capital Outlay</b>	\$ 605,879.94	\$ 100,637.29	\$ 121,319.83	\$ 20,420.00	\$ 71,931.01
<b>Total Landfill Solid Waste Capital</b>	\$ 608,904.94	\$ 117,948.29	\$ 121,319.83	\$ 28,751.57	\$ 71,931.01

- = No expenditure

Table 4.1-6 Expenditure History Comparison: Support Services (10900)

Description	2020 Actual	2019 Actual	2018 Actual	2017 Actual	2016 Actual
<b>Operating Expense - Purchased Services</b>					
Third Party Administrator Charges	\$ 89.73	\$ 37.60	\$ 23.49	\$ 8.67	\$ 36.56
<b>Total Operating Expense - Purchased Services</b>	\$ 89.73	\$ 37.60	\$ 23.49	\$ 8.67	\$ 36.56
<b>Operating Expense - Fixed Charges</b>					
Property Insurance	\$ 6,365.40	\$ 6,607.80	\$ 5,672.47	\$ 4,596.75	\$ 4,586.09
Auto Insurance	\$ 3,017.38	\$ 5,013.40	\$ -	\$ -	\$ -
General Liability Insurance	\$ 2,701.88	\$ 2,662.41	\$ 3,054.54	\$ 2,846.71	\$ 2,834.45
Errors and Commissions Insurance	\$ 1,320.74	\$ 852.42	\$ 3,882.94	\$ 877.14	\$ 4,183.58
Other Insurance	\$ 18,714.13	\$ 17,249.71	\$ 15,837.95	\$ 15,497.12	\$ 14,612.22
<b>Total Operating Expense - Fixed Charges</b>	\$ 32,119.53	\$ 32,385.74	\$ 28,447.90	\$ 23,817.72	\$ 26,216.34
<b>Total Operating Expense</b>	\$ 32,209.26	\$ 32,423.34	\$ 28,471.39	\$ 23,826.39	\$ 26,252.90
<b>Grants, Contributions, Indemnity and Other</b>					
Insurance Claims	\$ 3,253.77	\$ 3,505.64	\$ 850.72	\$ 965.33	\$ 1,989.23
Other Equipment					
<b>Total Grants, Contributions, Indemnity and Other</b>	\$ 3,253.77	\$ 3,505.64	\$ 850.72	\$ 965.33	\$ 1,989.23
<b>Total Support Services</b>	\$ 35,463.03	\$ 35,928.98	\$ 29,322.11	\$ 24,791.72	\$ 28,242.13

- = No expenditure

**APPENDIX B**

**2021 MESA COUNTY TIPPING FEE SCHEDULE**

**Table 8.2-2 Current Rate Schedule**

Description	Unit	Fee	Comments
<b>Landfill Fees</b>			
Compacted / Loose Trash	Ton	\$36.00	
Minimum Fee	-	\$10.00	Up to 550 pounds
<b>Special Waste Items</b>			
Sludge	Ton	\$24.50	
Screenings	Ton	\$36.00	
Mattress or Box Spring	Each	\$10.00	
<b>Waste Tires</b>			
Standard Car/ Truck Tire (w/out rims)	Each	\$5.00	
Standard Car/ Truck Tire (with rims)	Each	\$10.00	
Truck Tires 20" or larger (w/out rims)	Each	\$10.00	
Truck Tires 20" or larger (with rims)	Each	\$20.00	
Cut Tires	Ton	\$100.00	
Bulk Tire Delivery	Ton	\$300.00	
<b>Soil</b>			
Clean Soil	-	Free	
Contaminated Soil	Ton	\$50.00	Must be approved by the Regulatory Compliance Manager and Special Burial Fees apply
<b>Asbestos</b>			
Non Friable Asbestos	Ton	\$36.00	Must be approved by the Regulatory Compliance Manager and Special Burial Fees apply
Friable Asbestos	CYD	\$60.00	
<b>Special Burial</b>			
Minimum Fee	Day	\$50.00	
10-20 Yards	Day	\$100.00	
20+ Yards	Day	\$200.00	
<b>Transfer Stations</b>			
Fruita Residential	Load	\$15.00	Loads must be tarped and secured or fees will be doubled
Fruita Mattresses / Box Springs	Each	\$15.00	Loads must be tarped and secured or fees will be doubled
Molina Residential	Load	\$15.00	Loads must be tarped and secured or fees will be doubled
Molina Mattresses / Box Springs	Each	\$15.00	Loads must be tarped and secured or fees will be doubled
DeBeque Residential	Load	\$15.00	Loads must be tarped and secured or fees will be doubled
DeBeque Mattresses / Box Springs	Each	\$15.00	Loads must be tarped and secured or fees will be doubled
Gateway Residential	Load	\$15.00	Loads must be tarped and secured or fees will be doubled

**Table 8.2-2 Current Rate Schedule**

<b>Description</b>	<b>Unit</b>	<b>Fee</b>	<b>Comments</b>
Gateway Mattresses / Box Springs	Each	\$15.00	Loads must be tarped and secured or fees will be doubled
<b>HHW</b>			
E-Waste	Pound	\$0.65	
Drum Handling Fee	Each	\$10.00	
Non-hazardous Appliance	Each	\$10.00	
Chlor-D-Tect Test	Each	\$20.00	Test performed on motor oil disposals greater than 30 gallons
Aerosols	Each	\$1.20	
Inhalers	Each	\$0.30	
Antifreeze, Watery Oil	Pound	\$0.20	
Ammunition (>.50 caliber)	Pound	\$2.20	
Batteries	Pound	\$0.85	
Class C Fireworks/Road Flares	Pound	\$2.20	
Capacitors (non PCB)	Pound	\$3.30	
Compact Florescent Light	Each	\$0.50	
Corrosive (Liquid,Solid)	Pound	\$2.00	
Cyanide (Lab Pack)	Pound	\$4.62	
Dioxin (Liquid, Solid)	Pound	\$3.85	
Fire Extinguishers	Each	\$5.00	
Flammable (Liquid)	Pound	\$0.50	
Flourescent Tube	Foot	\$0.13	
Latex Paint	Pound	\$0.50	
Lead Acid Batteries	Each	\$1.00	
Mercury Containing Articles	Pound	\$4.00	
Metal Halide bulbs	Each	\$1.05	
Motor Oil (uncontaminated)	Pound	\$0.15	
Oil filters (Large, Heavy Equipment)	Pound	\$2.20	
Oil Filters (Small, Automotive)	Pound	\$0.85	
Oily Rags	Pound	\$1.05	
Oxidizers (Liquid, Solid, Oxidizing Nitrates)	Pound	\$2.50	
Paint Related Materials (Bulk)	Pound	\$0.50	
Paint Related Materials (Pack)	Pound	\$1.00	
PCB Ballast	Pound	\$1.40	
Pesticides, Toxins	Pound	\$2.00	



**Table 8.2-2 Current Rate Schedule**

<b>Description</b>	<b>Unit</b>	<b>Fee</b>	<b>Comments</b>
P-Listed Waste	Pound	\$4.20	
Propane Cylinders	Each	\$2.50	
Propane Tanks	Each	\$5.00	
Sharps	Pound	\$3.30	
U-Listed Waste	Pound	\$3.00	
U-Tube flourescent lights	Pound	\$0.50	
Unknown Material HazCat Testing	Each	\$15.00	
Empty P-listed Medication Containers	CFT	\$25.00	
<b>For Sale</b>			
Second Life Re-mixed Paint	Each	\$20.00	Price does not include tax. Taxes applied at time of purchase
55-Gal Drum	Each	\$70.00	Price does not include tax. Taxes applied at time of purchase
Sharps Container (1 Quart)	Each	\$3.00	Price does not include tax. Taxes applied at time of purchase
Sharps Container (2-gallon)	Each	\$6.00	Price does not include tax. Taxes applied at time of purchase
Sharps Container (8-gallon)	Each	\$16.00	Price does not include tax. Taxes applied at time of purchase
Bag of Vermiculite (3.5 cu ft.)	Each	\$28.50	Price does not include tax. Taxes applied at time of purchase
5-Gallon Plastic Bucket	Each	\$5.00	Price does not include tax. Taxes applied at time of purchase
6-mil Poly Plastic Bag	Each	\$2.50	Price does not include tax. Taxes applied at time of purchase
Western Colorado Compost 1-9 Yards	CYD	\$34.20	Price does not include tax. Taxes applied at time of purchase
Western Colorado Compost 10+ Yards	CYD	\$25.66	Price does not include tax. Taxes applied at time of purchase
Western Colorado Compost 100+ Yards	CYD	\$20.00	Price does not include tax. Taxes applied at time of purchase
Bagged Compost 1.25 CFT Bag	Each	\$4.74	Price does not include tax. Taxes applied at time of purchase
Wood Mulch 1-9 Yards	CYD	\$15.20	Price does not include tax. Taxes applied at time of purchase
Wood Mulch 10+ Yards	CYD	\$10.25	Price does not include tax. Taxes applied at time of purchase

**Household Hazardous Waste Fees**  
 Fee increases will go into effect April 1, 2022

**Disposal and Service Fees**

Item	Fee
E-Waste	\$0.65 per lb
Drum Handling Fee	\$10.00 each
Non-hazardous appliance	\$10.00 each
Chlor-D-Tect Test*	\$20.00 each

\*Chlor-D-Tect Test performed on motor oil disposals >30 gallons

**Products for Sale**

Second Life Re-mixed Paint	\$23.75 each*
Sharps Container (1 Quart)	\$3.50 each*
Sharps Container (2-gallon)	\$7.00 each*
Sharps Container (8-gallon)	\$18.50 each*
Bag of Vermiculite (3.5 cu ft.)	\$35.00 each*
5-Gallon Plastic Bucket	\$6.00 each*
6-mil Poly Plastic Bag	\$2.85 each*
55-Gal Drum	\$90.00 each*

\*Price does not include tax. Taxes applied at time of purchase.

**Residential Waste Limits & Fees\***

\*One pound minimum charge on all waste streams.

Waste	Quantity Accepted For Free	Fee for Exceeding Quantity
Aerosols/Inhalers	50 cans	\$1.20 each
Batteries - Alkaline, Lithium, NiCad	5 gallons/50 lbs	\$1.00 per lb
Batteries - Lead Acid	4 batteries	\$2.50 each
Corrosive (Liquid,Solid)	15 gallons/150 lbs	\$2.00 per lb
Flammable (Liquid)	50 gallons/500 lbs	\$0.50 per lb
Motor Oil, Antifreeze, Cooking Oil	50 gallons/500 lbs	Will not accept more than 50 gallons a week
Oxidizers (Liquid, Solid, Oxidizing Nitrates)	15 gallons/150 lbs	\$3.50 per lb
Paint Related Materials	40 gallons/400 lbs	\$1.65/lb
Pesticides, Toxins	10 gallons/100 lbs	\$2.00/lb

**VSQG Disposal and Service Fees\***

\*Business waste accepted by appointment only.

\*One pound minimum charge on all waste streams.

Waste	Fee
Aerosols/Inhalers	\$1.20 each
Ammunition (>.50 caliber)	\$3.00 per lb
Ballast	\$1.70 per lb
Batteries - Alkaline, Lithium, NiCad	\$1.00 per lb
Batteries - Lead Acid	\$2.50 each
Bulbs - Linear	\$0.20 per foot
Bulbs - Non-Linear	\$1.05 each
Class C Fireworks/Road Flares	\$3.00 per lb
CNC Fluid	\$1.00 per lb
CNC Fluid (Bulk)	\$90.00 each
Compressed Gas Cylinder <5 lbs	\$2.50 each
Compressed Gas Cylinder >5 lbs	\$10.00 each
Corrosive (Liquid,Solid)	\$2.00 per lb
Fire Extinguishers	\$5.00 each
Flammable (Liquid)	\$0.50 per lb
Mercury Containing Articles	\$7.00 per lb
Motor Oil, Antifreeze, Cooking Oil	\$0.20 per lb
Oil Filters	\$2.50 each
Oily Rags	\$1.35 per lb
Oxidizers (Liquid, Solid, Oxidizing Nitrates)	\$3.50 per lb
Paint Related Materials	\$1.00 per lb
Pesticides, Toxins	\$2.00 per lb
P-Listed, 4.1, 4.3, and D-List Toxins	\$10.00 per lb
Sharps	\$3.30 per lb
Unknown Material HazCat Testing	\$15.00 each
Broken/Leaking Container Processing Fee	\$50.00 per visit
Other	TBD by Haz Waste Vendor

**APPENDIX C**

**CAPITAL OUTLAY PLAN 2021 – 2044**

**Table 8.3-3 Capital Outlay - Construction - Years 2021 through 2044**

<b>Description</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
<b>Landfill Facility</b>				
Liner Construction (Clay Liner)	\$ -	\$ 850,000.00	\$ -	\$ -
Liner Construction (Geosynthetics)	\$ -	\$ -	\$ -	
Landfill Soil Imbalance	\$150,000	\$150,000	\$150,000	\$150,000
Collection Ponds	\$ -	\$ -	\$ -	\$ -
Design/Engineering	\$50,000	\$50,000	\$50,000	\$50,000
Installation of New Gas System	\$ -	\$ -	\$ 2,000,000.00	\$ -
O&M for Gas System	\$ -	\$ -	\$ -	\$ 80,000.00
Above Ground Scale	\$ -	\$ -	\$ -	\$ -
Shop Wash Area	\$ -	\$ -	\$ -	\$ -
Wind Fence	\$ -	\$ -	\$ -	\$ -
Small Equipment	\$ -	\$ -	\$ -	\$ -
Bull Fences	\$ -	\$ -	\$ -	\$ -
<b>Composting Facility</b>				
Compost Expansion Pad	\$ -	\$ -	\$ 270,967.00	\$ -
Urea Storage Building	\$ -	\$ -	\$ -	\$ -
<b>Hazardous Waste Facility</b>				
Office Building/Other	\$ -	\$ -	\$ -	\$ 250,000.00
<b>Transfer Stations</b>				
Compactors	\$ -	\$ -	\$ -	\$ -
General Improvements	\$ -	\$ -	\$ -	\$ -
<b>Additional</b>				
LF Buffer Property Purchase	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00
Regulatory Compliance Site	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00
Campus Site Improvements	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00
<b>Totals</b>	\$ 415,000.00	\$ 1,535,967.00	\$ 2,415,000.00	\$ 495,000.00

- = No capital outlay

**Table 8.3-3 Cont. Capital Outlay - Construction - Years 2021 through 2044**

<b>Description</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>
<b>Landfill Facility</b>					
Liner Construction (Clay Liner)	\$ -	\$ -	\$ -	\$ -	\$ -
Liner Construction (Geosynthetics)	\$ 3,000,000.00	\$ -	\$ -	\$ -	\$ -
Landfill Soil Imbalance	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Collection Ponds	\$ -	\$ 100,000.00	\$ -	\$ -	\$ -
Design/Engineering	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Installation of New Gas System	\$ -	\$ -	\$ -	\$ -	\$ -
O&M for Gas System	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00
Above Ground Scale	\$ -	\$ -	\$ -	\$ -	\$ -
Shop Wash Area	\$ -	\$ -	\$ -	\$ -	\$ -
Wind Fence	\$ -	\$ -	\$ -	\$ 100,000.00	\$ -
Small Equipment	\$ 1,500.00	\$ -	\$ -	\$ -	\$ -
Bull Fences	\$ 25,000.00	\$ -	\$ -	\$ -	\$ -
<b>Composting Facility</b>					
Compost Expansion Pad	\$ -	\$ -	\$ -	\$ -	\$ -
Urea Storage Building	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Hazardous Waste Facility</b>					
Office Building/Other	-	\$ 50,000.00	\$ -	\$ -	\$ -
<b>Transfer Stations</b>					
Compactors	\$ -	\$ 30,000.00	\$ -	\$ -	\$ -
General Improvements	\$ -	\$ 30,000.00	\$ -	\$ -	\$ -
<b>Additional</b>					
LF Buffer Property Purchase	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00
Regulatory Compliance Site	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00
Campus Site Improvements	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00
<b>Totals</b>	\$ 3,571,500.00	\$ 655,000.00	\$ 495,000.00	\$ 595,000.00	\$ 495,000.00

- = No capital outlay

Table 8.3-3 Cont. Capital Outlay - Construction - Years 2021 through 2044

Description	2030	2031	2032	2033	2034
<b>Landfill Facility</b>					
Liner Construction (Clay Liner)	\$ 3,500,000.00	\$ -	\$ -	\$ -	\$ -
Liner Construction (Geosynthetics)	\$ -	\$ -	\$ -	\$ -	\$ -
Landfill Soil Imbalance	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Collection Ponds	\$ -	\$ -	\$ -	\$ -	\$ -
Design/Engineering	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Installation of New Gas System	\$ -	\$ -	\$ -	\$ -	\$ -
O&M for Gas System	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00
Above Ground Scale	\$ -	\$ -	\$ -	\$ -	\$ -
Shop Wash Area	\$ -	\$ -	\$ -	\$ -	\$ -
Wind Fence	\$ -	\$ -	\$ -	\$ -	\$ -
Small Equipment	\$ 1,500.00	\$ -	\$ -	\$ -	\$ -
Bull Fences	\$ 25,000.00	\$ -	\$ -	\$ -	\$ -
<b>Composting Facility</b>					
Compost Expansion Pad	\$ -	\$ -	\$ -	\$ -	\$ -
Urea Storage Building	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Hazardous Waste Facility</b>					
Office Building/Other	\$ -	\$ -	\$ -	\$ 50,000.00	\$ -
<b>Transfer Stations</b>					
Compactors	\$ -	\$ -	\$ -	\$ -	\$ 30,000.00
General Improvements	\$ -	\$ -	\$ -	\$ -	\$ 30,000.00
<b>Additional</b>					
LF Buffer Property Purchase	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00
Regulatory Compliance Site	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00
Campus Site Improvements	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00
<b>Totals</b>	\$ 4,021,500.00	\$ 495,000.00	\$ 495,000.00	\$ 545,000.00	\$ 555,000.00

- = No capital outlay

**Table 8.3-3 Cont. Capital Outlay - Construction - Years 2021 through 2044**

<b>Description</b>	<b>2035</b>	<b>2036</b>	<b>2037</b>	<b>2038</b>	<b>2039</b>
<b>Landfill Facility</b>					
Liner Construction (Clay Liner)	\$ -	\$ -	\$ -	\$ -	\$ -
Liner Construction (Geosynthetics)	\$ 4,000,000.00	\$ -	\$ -	\$ -	\$ -
Landfill Soil Imbalance	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Collection Ponds	\$ -	\$ -	\$ -	\$ -	\$ -
Design/Engineering	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Installation of New Gas System	\$ -	\$ -	\$ -	\$ -	\$ -
O&M for Gas System	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00
Above Ground Scale	\$ -	\$ -	\$ 200,000.00	\$ -	\$ -
Shop Wash Area	\$ -	\$ -	\$ -	\$ -	\$ -
Wind Fence		\$ 100,000.00	\$ -	\$ -	\$ -
Small Equipment	\$ 1,500.00	\$ -	\$ -	\$ -	\$ -
Bull Fences	\$ 25,000.00	\$ -	\$ -	\$ -	\$ -
<b>Composting Facility</b>					
Compost Expansion Pad	\$ -	\$ -	\$ -	\$ -	\$ -
Urea Storage Building	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Hazardous Waste Facility</b>					
Office Building/Other	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Transfer Stations</b>					
Compactors	\$ -	\$ -	\$ -	\$ -	\$ -
General Improvements	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Additional</b>					
LF Buffer Property Purchase	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00
Regulatory Compliance Site	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00
Campus Site Improvements	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00
<b>Totals</b>	\$ 4,521,500.00	\$ 595,000.00	\$ 695,000.00	\$ 495,000.00	\$ 495,000.00

- = No capital outlay

Table 8.3-3 Cont. Capital Outlay - Construction - Years 2021 through 2044

Description	2040	2041	2042	2043	2044
<b>Landfill Facility</b>					
Liner Construction (Clay Liner)	\$ 4,600,000.00	\$ -	\$ -	\$ -	\$ -
Liner Construction (Geosynthetics)	\$ -	\$ -	\$ -	\$ -	\$ -
Landfill Soil Imbalance	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Collection Ponds	\$ -	\$ -	\$ -	\$ -	\$ -
Design/Engineering	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Installation of New Gas System	\$ -	\$ -	\$ -	\$ -	\$ -
O&M for Gas System	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00
Above Ground Scale	\$ -	\$ -	\$ -	\$ -	\$ -
Shop Wash Area	\$ -	\$ -	\$ -	\$ -	\$ -
Wind Fence	\$ -	\$ -	\$ -	\$ -	\$ -
Small Equipment	\$ -	\$ -	\$ -	\$ -	\$ -
Bull Fences	\$ 25,000.00	\$ -	\$ -	\$ -	\$ -
<b>Composting Facility</b>					
Compost Expansion Pad	\$ -	\$ -	\$ -	\$ -	\$ -
Urea Storage Building	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Hazardous Waste Facility</b>					
Office Building/Other	\$ -	\$ 50,000.00	\$ -	\$ -	\$ -
<b>Transfer Stations</b>					
Compactors	\$ -	\$ -	\$ 30,000.00	\$ -	\$ -
General Improvements	\$ -	\$ -	\$ 30,000.00	\$ -	\$ -
<b>Additional</b>					
LF Buffer Property Purchase	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00
Regulatory Compliance Site	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00
Campus Site Improvements	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00
<b>Totals</b>	\$ 5,120,000.00	\$ 545,000.00	\$ 555,000.00	\$ 495,000.00	\$ 495,000.00

- = No capital outlay



Table 8.3-3 Capital Outlay Cont. - Equipment - Years 2025 through 2044

Description	2021	2022	2023	2024	2025	2026
<b>Landfill</b>						
Waste Compactor (5 Years)	\$ -	\$ -	\$ 425,000.00	\$ -	\$ -	\$ -
Scraper (10 Years)	\$ 750,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
Dozer (20 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grader (15 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Backhoe (10 Years)	\$ -	\$ 125,000.00	\$ -	\$ -	\$ -	\$ -
Transport Semi-Tractor (10 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 130,000.00
Transport Trailers (10 Years)	\$ -	\$ -	\$ -	\$ 125,000.00	\$ -	\$ -
Service Truck (10 Years)	\$ -	\$ 100,000.00	\$ -	\$ -	\$ -	\$ -
Misc. Equipment	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00
<b>Hazardous Waste</b>						
Skid Loader (7 Years)	\$ -	\$ 40,000.00	\$ -	\$ -	\$ -	\$ -
Misc. Equipment	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
<b>Composting</b>						
Tractor (7 Years)	\$ -	\$ -	\$ 150,000.00	\$ -	\$ -	\$ -
Water Wagon (5 years)	\$ -	\$ 25,000.00	\$ -	\$ -	\$ -	\$ -
Loader (7 Years)	\$ 160,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
Grinder (7 Years)	\$ -	\$ -	\$ -	\$ 550,000.00	\$ -	\$ -
Misc. Equipment	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
<b>Transfer Stations</b>						
Backhoe (10 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Skid Loader (7 Years)	\$ 40,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
Misc. Equipment	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
<b>Additional</b>						
Administration Trucks	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
Landfill Trucks	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
Misc. Equipment	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
<b>Totals</b>	\$ 1,155,000.00	\$ 495,000.00	\$ 780,000.00	\$ 880,000.00	\$ 205,000.00	\$ 335,000.00

- = No capital outlay

**Table 8.3-3 Capital Outlay Cont. - Equipment - Years 2025 through 2044**

<b>Description</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>
<b>Landfill</b>						
Waste Compactor (5 Years)	\$ -	\$ 462,187.50	\$ -	\$ -	\$ -	\$ -
Scraper (10 Years)	\$ -	\$ -	\$ -	\$ -	\$ 881,250.00	\$ -
Dozer (20 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grader (15 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Backhoe (10 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 146,875.00
Transport Semi-Tractor (10 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transport Trailers (10 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Service Truck (10 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 117,500.00
Misc. Equipment	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00
<b>Hazardous Waste</b>						
Skid Loader (7 Years)	\$ -	\$ -	\$ 44,900.00	\$ -	\$ -	\$ -
Misc. Equipment	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
<b>Composting</b>						
Tractor (7 Years)	\$ -	\$ -	\$ -	\$ 168,375.00	\$ -	\$ -
Water Wagon (5 years)	\$ 27,187.50	\$ -	\$ -	\$ -	\$ -	\$ 29,566.41
Loader (7 Years)	\$ -	\$ 179,600.00	\$ -	\$ -	\$ -	\$ -
Grinder (7 Years)	\$ -	\$ -	\$ -	\$ -	\$ 617,375.00	\$ -
Misc. Equipment	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
<b>Transfer Stations</b>						
Backhoe (10 Years)	\$ -	\$ -	\$ -	\$ 135,000.00	\$ -	\$ -
Skid Loader (7 Years)	\$ -	\$ 44,900.00	\$ -	\$ -	\$ -	\$ -
Misc. Equipment	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
<b>Additional</b>						
Administration Trucks	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
Landfill Trucks	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
Misc. Equipment	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
<b>Totals</b>	\$ 232,187.50	\$ 891,687.50	\$ 249,900.00	\$ 508,375.00	\$ 1,703,625.00	\$ 498,941.41

- = No capital outlay

Table 8.3-3 Capital Outlay Cont. - Equipment - Years 2025 through 2044

Description	2033	2034	2035	2036	2037	2038
<b>Landfill</b>						
Waste Compactor (5 Years)	\$ 502,628.91	\$ -	\$ -	\$ -	\$ -	\$ 546,608.94
Scraper (10 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dozer (20 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grader (15 Years)	\$ 200,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
Backhoe (10 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transport Semi-Tractor (10 Years)	\$ -	\$ -	\$ -	\$ 152,750.00	\$ -	\$ -
Transport Trailers (10 Years)	\$ -	\$ 146,875.00	\$ -	\$ -	\$ -	\$ -
Service Truck (10 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Misc. Equipment	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00
<b>Hazardous Waste</b>						
Skid Loader (7 Years)	\$ -	\$ -	\$ -	\$ 50,400.25	\$ -	\$ -
Misc. Equipment	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
<b>Composting</b>						
Tractor (7 Years)	\$ -	\$ -	\$ -	\$ -	\$ 189,000.94	\$ -
Water Wagon (5 years)	\$ -	\$ -	\$ -	\$ -	\$ 32,153.47	\$ -
Loader (7 Years)	\$ -	\$ -	\$ 201,601.00	\$ -	\$ -	\$ -
Grinder (7 Years)	\$ -	\$ -	\$ -	\$ -		\$ 693,003.44
Misc. Equipment	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
<b>Transfer Stations</b>						
Backhoe (10 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Skid Loader (7 Years)	\$ -	\$ -	\$ 50,400.25	\$ -	\$ -	\$ -
Misc. Equipment	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
<b>Additional</b>						
Administration Trucks	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
Landfill Trucks	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
Misc. Equipment	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
<b>Totals</b>	\$ 907,628.91	\$ 351,875.00	\$ 457,001.25	\$ 408,150.25	\$ 426,154.40	\$ 1,444,612.37

- = No capital outlay

Table 8.3-3 Capital Outlay Cont. - Equipment - Years 2025 through 2044

Description	2039	2040	2041	2042	2043	2044
<b>Landfill</b>						
Waste Compactor (5 Years)	\$ -	\$ -	\$ -	\$ -	\$ 594,437.22	\$ -
Scraper (10 Years)	\$ -	\$ -	\$ 1,035,468.75	\$ -	\$ -	\$ -
Dozer (20 Years)		\$ 600,000.00	\$ -	\$ -	\$ -	\$ -
Grader (15 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Backhoe (10 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transport Semi-Tractor (10 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transport Trailers (10 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 172,578.13
Service Truck (10 Years)	\$ -	\$ -	\$ -	\$ 138,062.50	\$ -	\$ -
Misc. Equipment	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00
<b>Hazardous Waste</b>						
Skid Loader (7 Years)	\$ -	\$ -	\$ -	\$ -	\$ 56,574.28	\$ -
Misc. Equipment	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
<b>Composting</b>						
Tractor (7 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 212,153.55
Water Wagon (5 years)	\$ -	\$ -	\$ -	\$ 34,966.90	\$ -	\$ -
Loader (7 Years)	\$ -	\$ -	\$ -	\$ 226,297.12	\$ -	\$ -
Grinder (7 Years)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Misc. Equipment	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
<b>Transfer Stations</b>						
Backhoe (10 Years)	\$ -	\$ 158,625.00	\$ -	\$ -	\$ -	\$ -
Skid Loader (7 Years)	\$ -	\$ -	\$ -	\$ 56,574.28	\$ -	\$ -
Misc. Equipment	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
<b>Additional</b>						
Administration Trucks	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
Landfill Trucks	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
Misc. Equipment	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
<b>Totals</b>	\$ 205,000.00	\$ 963,625.00	\$ 1,240,468.75	\$ 660,900.80	\$ 856,011.50	\$ 589,731.68

- = No capital outlay