

Gallatin Solid Waste Management District Annual Report July 1, 2017 - June 30, 2018

The Gallatin Solid Waste Management District Manages the Logan Landfill and the Bozeman Convenience Site. The Logan Landfill is a sanitary modern environmentally friendly regulated state-of-the-art Class 2 landfill. Internal Programs include *Special Wastes*Environmental Monitoring*Recycling*Education*Outreach*

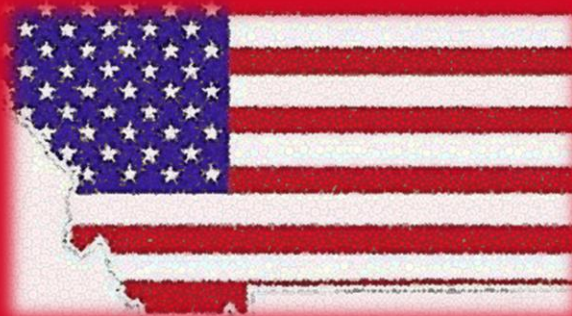
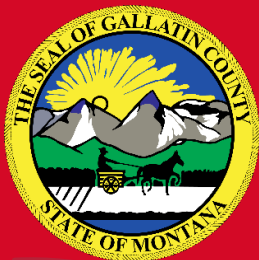


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A Letter from the Gallatin
Solid Waste Management
District Manager Jim Simon

I am pleased to present the fiscal year 2018 Annual Report for the Gallatin Solid Waste Management District prepared by Dawn Chretien and the Gallatin Solid Waste Management District staff. This year's annual report provides a summary of the past fiscal year and provides an analysis of the programs offered by the Gallatin Solid Waste Management District. This report covers the time period from July 1, 2017 to June 30, 2018.

During Fiscal Year 2018, the District continued to experience an increase in the waste disposed at both the Logan Landfill and the Bozeman Convenience Site. The Logan Landfill received and processed 156,706 tons of waste in fiscal year 2018. The District's HHW, e-waste, fluorescent bulb, clean wood, and composting programs continue to provide waste diversion options at the Logan Landfill and Bozeman Convenience Site. Four Corners Recycling continues to provide hauling, site maintenance, and processing services for the District's recycling sites in Gallatin County. In FY 2018, the District partnered with 406 Recycling to provide e-waste recycling services for the District's e-waste recycling program. The District continued to develop and expand outreach and education opportunities for the residents of Gallatin County through landfill tours, clinics, presentations, and networking with community organizations and businesses.

The Phase IV Expansion was the primary capital project for fiscal year 2018. Landfill operations excavated and hauled 48,348 yards of soil for the initial excavation and construction of the Phase IV Expansion project. The Phase IV project was incorporated into daily landfill operations, which assisted with reducing project costs and improving overall landfill efficiency. Youderian Construction was awarded the contract for the Phase IV Expansion Project and started the project in June 2018. The District continued to implement Phase III of the Soil Vapor Extraction pilot program with MTDEQ and Great West Engineering. The District purchased a 2006 Freightliner roll-off truck and a 2016 RAM 3500 with a snow plow and sander box for landfill operations. The District purchased a Carlson Landfill Grade GPS system to assist with compaction efficiency and landfill operations. The District installed a new video camera system at the Logan Landfill Scale to assist with license plate identification and improve scale efficiency. The District continued the improvement and reclamation of the Logan Springs Ranch. The improvement of the Logan Springs Ranch is a key component for the proposed land exchange with the DNRC. An agreement to initiate and complete the land exchange was signed by the DNRC and Gallatin County. The agreement identifies the final steps and responsibilities for completion of the land exchange. The land exchange is anticipated to be completed by December 2018.

In the next Fiscal Year, Youderian Construction will complete the construction and installation of the Phase Four linear and leachate system. The District plans to complete phase III and implement phase IV of the Soil Vapor Extraction pilot program with MTDEQ and Great West Engineering. The District is budgeting for the purchase of a landfill dozer and installation of a communication tower for operations at the Logan Landfill. The District will be completing the Logan Springs Ranch improvement project in September 2018. The final approval of the land swap will allow the District to begin the master planning process and facility expansion of the Logan Landfill and the Gallatin Solid Waste Management District during Fiscal Year 2019.

The Gallatin Solid Waste Management District will continue to provide essential waste disposal services and offer alternate waste disposal options under our umbrella of solid waste management. The District's hardworking, dedicated, and versatile staff, with the input and oversight of the Solid Waste Board, continues to achieve lasting improvements while providing a variety of solid waste solutions for the residents of Gallatin County. With the current and projected growth of Gallatin County, the District will be instrumental in providing essential solid waste services and remain a valuable asset for Gallatin County residents.

Sincerely,

Jim Simon, District Manager
Gallatin Solid Waste Management District

Gallatin Solid Waste Management District

The Gallatin Solid Waste Management District was created by the Gallatin County Commissioners on May 20, 2003, by Resolution #2003-054.

Gallatin Solid Waste Management District Board

The Gallatin Solid Waste Management District Board consists of representatives from the Cities of Belgrade, Bozeman, Three Forks, and Manhattan. Two additional seats are occupied by Members-at-Large, and the remaining seat is occupied by a County Commissioner.

The District operates as an enterprise fund. The values and operating principles are Customer focus that is responsive, prompt, compassionate and provides quality service; Accountability for being responsible and cost effective in the use of public resources; Teamwork that promotes creative cooperation; Communication that is open and honest with sharing of information and ideas and; Professionalism in everything we do by being innovative, qualified, honest, full of integrity, and personal excellence.

Gallatin Solid Waste Management Board of Directors

The Board of Directors for Fiscal Year 2017 - 2018 are: R. Stephen White, Gallatin County Commissioner, Commission District #3; Dave Hanson, City of Three Forks; Lance Johnson, Member at Large; Phil Ideson Member at Large; Kevin Handelin, City of Bozeman; Joseph Hauck, City of Belgrade. There is one open seat for a representative from Manhattan.

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The purpose of the Gallatin Solid Waste Management District (GSWMD) is: to provide constituents with cost efficient solid waste services; to provide for the balanced consideration and representation of the diverse views and issues regarding solid waste management; to advocate for the health, safety and welfare of the residents; to manage the processing, reclaiming, storing, transporting, or disposing of waste in ways that protect the ecology of lands in the District; to identify goals, policies and procedures that will aid local jurisdictions in meeting solid waste reduction and recycling goals.

Dave Hanson
Chairman

Joseph Hauck
Vice-Chairman

Kevin Handlelin
Treasurer

Phil Ideson
Secretary

Steve White,
Board Member
Commissioner



2018 BUDGET

**Table 1 3-Year Comparison of the Gallatin Solid Waste Management District Budget
Final Approval to Actual Budget Expended for Fiscal Years 2016, 2017, 2018**

Object of Expenditures	Final Budget Approved FY 2016	Actual Budget Expended FY 2016	Final Budget Approved FY 2017	Actual Budget Expended FY 2017	Final Budget Approved FY 2018	Actual Budget Expended FY 2018
Personnel	\$ 1,015,858	\$ 991,022	\$ 1,058,468	\$ 1,071,300	\$1,117,781	\$997,463
Operations	2,228,547	1,583,904	2,228,547	1,733,208	2,242,359	1,184,615
Debt Service	133,200	130,004	133,200	134,048	135,250	142,999
Capital Outlay	7,286,054	159,769	7,650,911	2,402,431	10,388,101	220,418
Transfers Out	-----	-----				
Reserves	-----	-----				
Total	\$10,663,659	\$2,864,699	\$11,071,126	\$5,340,987	\$15,869,766	\$4,716,605
Budget by Fund Group						
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Revenue Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Project Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Enterprise Funds	\$10,663,659	\$2,864,699	\$11,071,126	\$5,340,987	\$13,883,491	\$2,545,495
Internal Service Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Trust & Agency Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$10,663,659	2,864,699	\$11,071,126	\$5,340,987		
Funding Sources						
Tax Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Non-Tax Revenues	\$3,859,831	\$3,898,429	\$3,867,070	\$4,799,618	\$4,651,285	\$5,488,523
Cash Reappropriated	6,803,828	(1,033,730)	\$7,204,056	\$541,369	\$11,218,481	<771,918>
Total	\$10,663,659	\$2,864,699	\$11,071,126	\$5,340,987	\$15,869,766	\$4,716,605

A budget is telling your money where to go
instead of wondering where it went.

Dave Ramsey

Gallatin Solid Waste Management District Administration



Daily operations of the Gallatin Solid Waste Management District are administered by professional staff headquartered at the

Logan Landfill

Gallatin Solid Waste Management District

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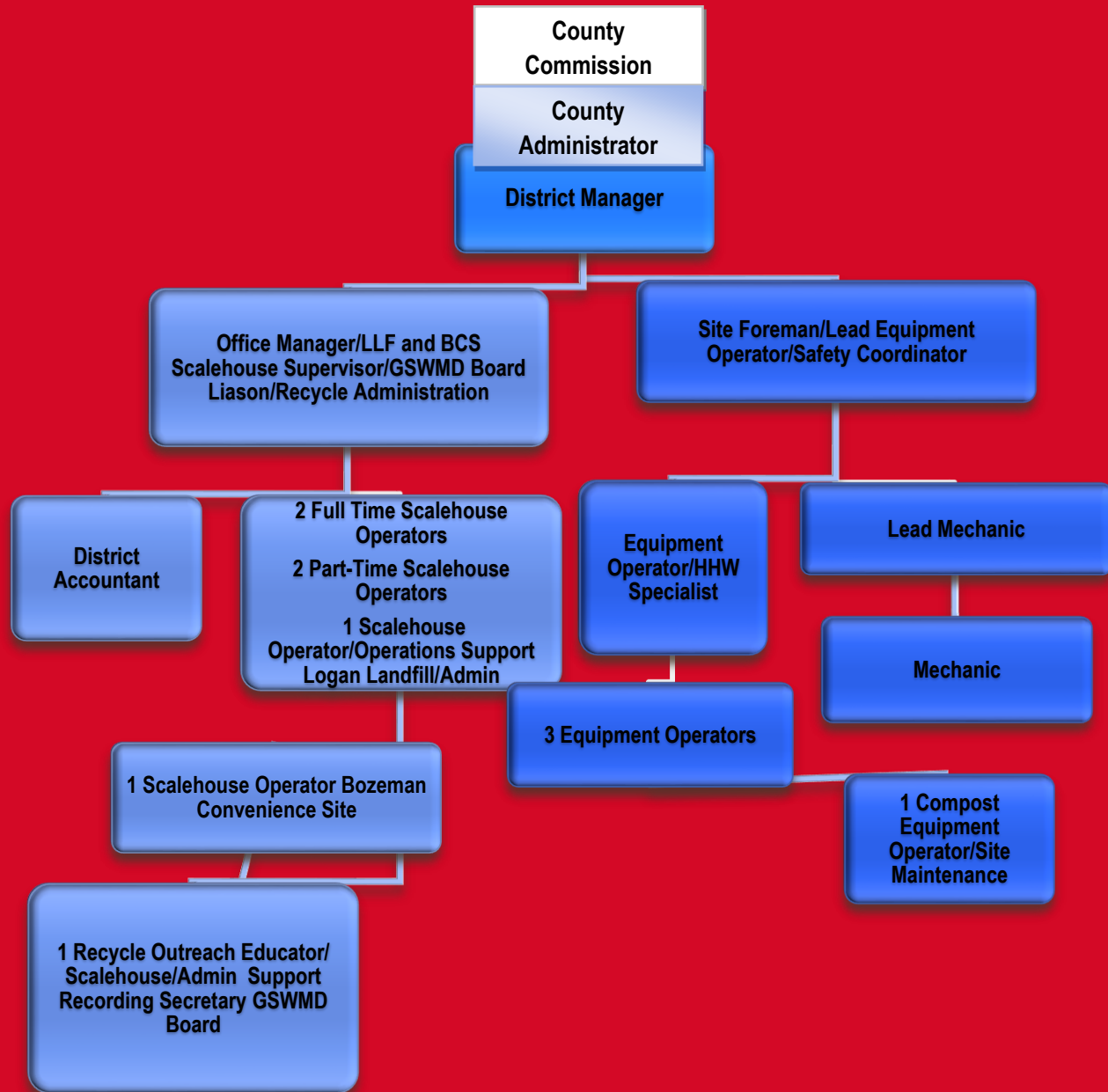
Gallatin Solid Waste Management District

Operations

The District ended Fiscal Year 2018 with a staff of 15 Full-time regular employees and two part-time employees. The positions are: District Manager; Office Manager; Accountant; Site Foreman/Lead Equipment Operator; 4 Equipment Operators (1 is a Household Hazardous Waste Specialist/Equipment Operator); 1 Lead Mechanic; 1 Mechanic; 2 Scalehouse Attendants (1 is a Scalehouse Attendant/Operations Support at the Logan Landfill); 2 part-time scalehouse attendants; 1 Scalehouse Attendant at the Bozeman Convenience Site; 1 Site maintenance/Compost Equipment Operator at Logan. The Recycle Outreach Educator position was vacated January 2018. The position was still vacant at the end of the fiscal year.



Gallatin Solid Waste Management District Organizational Chart



Logan Landfill Operations District Tonnages

Between July 1, 2017, and June 30, 2018, the total waste disposed of at the Logan Landfill was 156,706.33. This fiscal year tonnages were up 16,553.95 tons from the previous fiscal year of 140,152.38 tons. The landfill had a 2% waste diversion rate.

The ten primary components of the waste stream included approximately 95,298.31 tons (61%) of municipal solid waste, of which, 87,592.21 tons (56%) was disposed of by commercial carriers and 7,706.10 tons (5%) by the general public.

Light construction waste disposed of totaled 9,368.02 tons (6%), of which, commercial carriers disposed of approximately 8,385.94 tons (5%) and 982.08 tons (1%) by the general public.

Heavy construction tonnage totaled 76.18 tons (<1%) of which, 54.46 tons (<1%) was from commercial carriers and 21.72 tons (<1%) from the general public.

Class IV totaled 35,388.81 tons (23%) of which, 33,644.26 tons (21%) was disposed of by commercial carriers and 1,744.55 tons (2%) by the general public.

Compost collected totaled 7,064.70 tons (5%) of which, 6,604.02 tons (4%) was disposed of by commercial carriers and 460.68 tons (<1%) by the general public.

Clean wood disposed of totaled 2,583.52 tons (2%), of which 2,540.37 tons (2%) was disposed of by commercial carriers and 43.15 tons (<1%) by the general public.

E-waste collected totaled 63.02 tons (<1%), of which, 25.18 tons (<1%) was disposed of by commercial carriers and 37.84 tons (<1%) by the general public.

Other waste diverted totaled 201.50 tons (<1%) of which, 20.19 (<1%) was disposed of by commercial carriers and 181.31 tons (<1%) by the general public.

Special Waste totaled 6,575.454 tons (4%) at 100% disposed of by commercial carriers.

The remainder of the miscellaneous waste stream components disposed of totaled 1.10 tons (<1%) of which, .56 tons (<1%) by commercial carriers and .54 tons from the general public. (Table 2: Tonnages & Components).



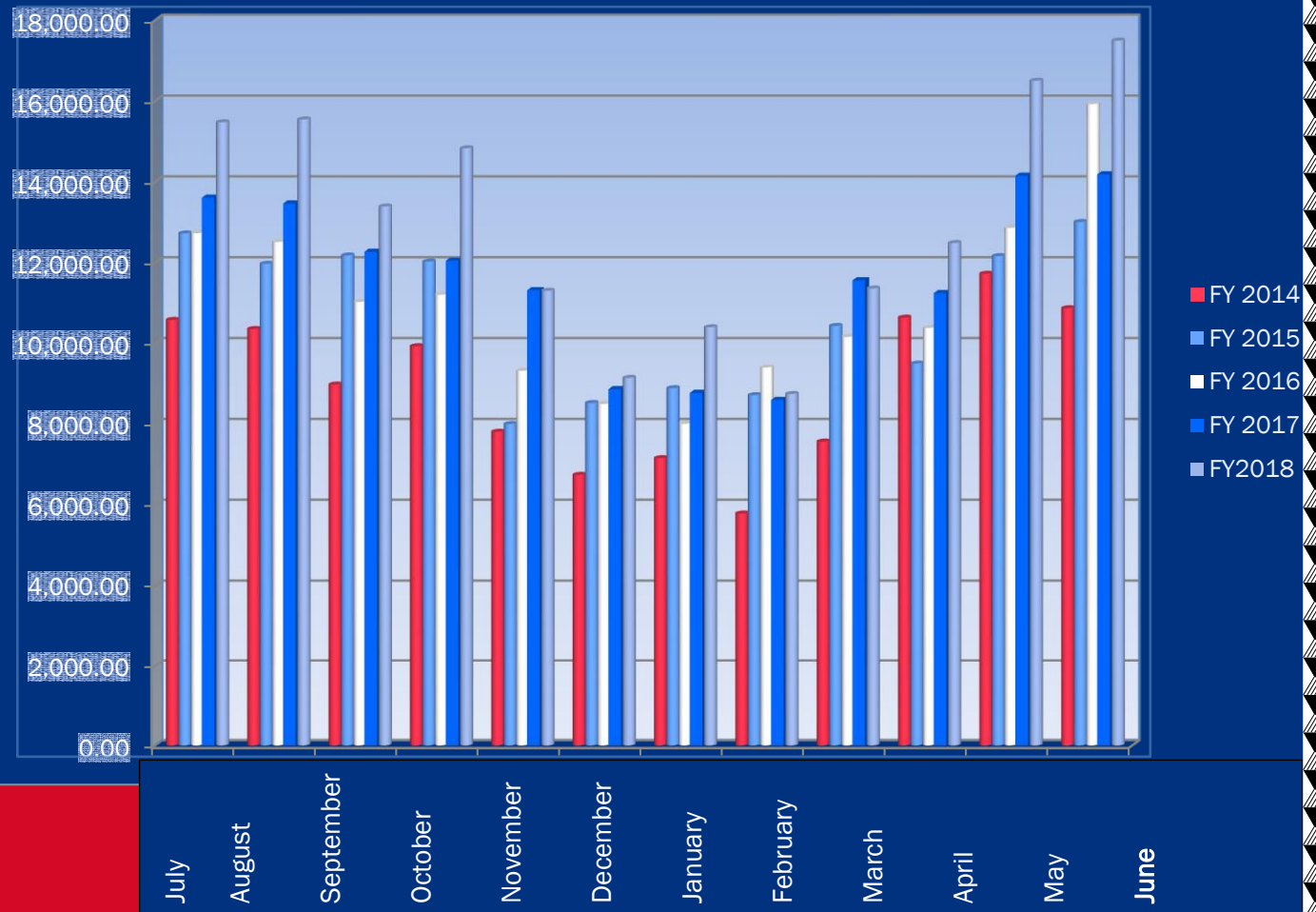
Table 2
Tonnages and Components
July 1, 2017 – June 30, 2018

Primary Components	Total Tons	% Tons	Tons Commercial	% Tons	Tons Public	% Tons	Commercial & Public Tonnages
Municipal Solid Waste (MSW)	95,384.17	61%	87,592.21	92%	7,792.03	8%	100%
Light Construction	9,368.02	6%	8,385.94	90%	982.08	10%	100%
Heavy Construction	76.24	<1%	54.46	72%	21.72	28%	100%
Class IV	35,388.81	23%	33,644.26	95%	1,744.55	2%	100%
Other Waste Diverted	201.50	<1%	20.19	10%	181.31	90%	100%
Compost	7,064.70	5%	6,604.02	93%	460.68	7%	100%
Clean Wood	2,583.52	2%	2,540.37	98%	43.15	2%	100%
E-Waste	63.03	<1%	25.18	40%	37.84	60%	100%
Miscellaneous	1.10	<1%	.56	51%	.54	49%	100%
Special Wastes	6,575.24	4%	6,575.24	100%	0	0%	100%
Total	156,706.33	100%	145,442.43		11,263.90		100%



Graph 1

Incoming Tonnage by Month Comparison Logan Landfill



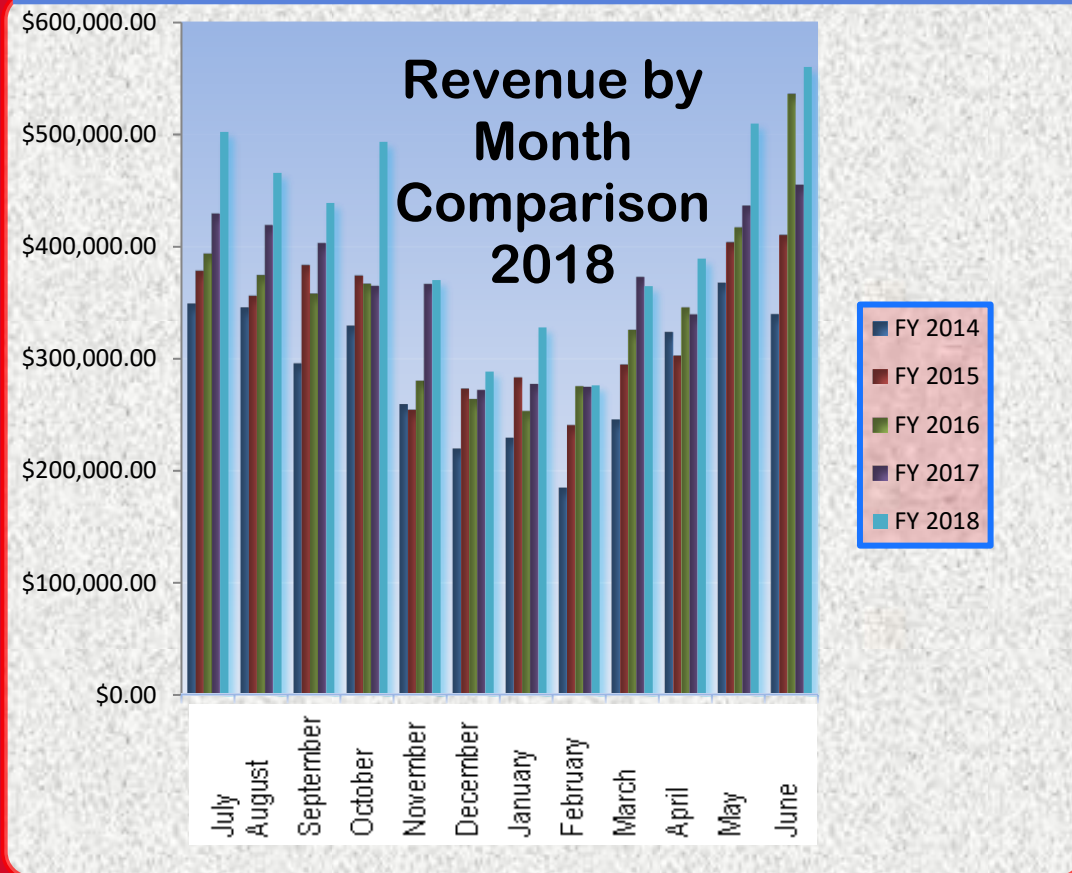
District Revenues

The Revenue from the tipping fees at the Logan Landfill between July 1, 2017, and June 30, 2018, was 4,988,303.01. Revenue increased \$578,229.81 from last fiscal year's revenue of \$4,410,073.20. The ten primary components of the revenue collected included municipal solid waste totaling \$2,585,833.00 (52%) of which, \$2,360,634 (91%) came from commercial carriers and \$225,199.00 (9%) came from the general public. Light construction totaled \$450,277.00 (9%) of the revenue collected, of which, \$402,593.00 (89%) came from commercial carriers and \$47,684.00 (11%) came from the general public. Heavy construction totaled \$4,421.00 (<1%) of the revenue collected, of which, \$3,157.00 (71%) came from commercial carriers and \$1,264.00 (29%) came from the general public. Class IV totaled \$1,715,615.00 (34%) of the revenue collected, of which, \$1,630,496.00 (95%) came from commercial carriers and \$85,119.00 (5%) came from the general public. Compost earned \$57,122.00 (1%) of the revenue collected, of which, \$47,644.00 (83%) came from commercial carriers and \$9,478.00 (17%) came from the general public. Clean wood totaled \$39,163.00 (1%) of the revenue collected, of which, \$38,608.00 (99%) came from commercial carriers and \$555.00 (1%) came from the general public. E-waste diverted totaled 3,272.00(<1%) of the revenue collected, of which, \$1,197.00 (37%) came from commercial carriers and \$2,075.00 (63%) came from the general public. Other waste diverted totaled \$31,266.00 (<1%) of the revenue collected, of which, \$5,620.00 (37%) came from commercial carriers and \$25,646.00 (63%) came from the general public. Special Wastes revenue collected was \$99,339.00(<1%), of which, 100% came from commercial carriers. The remainder of the revenue collected from miscellaneous fees totaled approximately \$1,995.01(<1%) of the revenue collected, of which, -\$20.78 (ZDOL) (0%) was from the commercial carriers and \$2,015.79 (1%) came from the general public. Miscellaneous items include late fee, secure load, gas, late charges. (Table 3 Revenue and Components).

Table 3 Revenue & Components July 1, 2017 to June 30, 2018

Components	revenue		Customers		Public		revenue %
Municipal Solid Waste (MSW)	\$2,585,833.00	52%	\$2,360,634.00	92%	\$225,199.00	8%	100%
Light Construction	\$450,277.00	9%	\$402,593.00	89%	\$47,684.00	11%	100%
Heavy Construction	\$4,421.00	<1%	\$3,157.00	71%	\$1,264.00	29%	100%
Class IV	\$1,715,615.00	34%	\$1,630,496.00	95%	\$85,119.00	5%	100%
Compost	\$57,122.00	1%	\$47,644.00	83%	\$9,478.00	17%	100%
Clean Wood	\$39,163.00	1%	\$38,608.00	99%	\$555.00	1%	100%
E-Waste	\$3,272.00	<1%	\$1,197.00	37%	\$2,075.00	63%	100%
Waste Diversion	\$31,266.00	<1%	\$5,620.00	18%	\$25,646.00	82%	100%
Special Wastes	\$99,339.00	2%	\$99,339.00	100%	0.00	0%	100%
Miscellaneous	\$1,995.01	<1%	-\$20.78	0%	\$2,015.79	1%	100%
Total	\$4,988,303.01	100%	\$4,589,267.22		\$399,035.79		

Graph 2



Performance at the Logan Landfill

Class II Waste Area Performance Evaluation (Phases 2 & 3)

Per Task Order #19, Great West Engineering conducted a GPS topographic survey on April 11, 2018, in order to estimate the remaining life of the landfill and to evaluate the landfill performance. This model was then compared to previous topographic surveys to evaluate the landfill performance over the period. Table 4 shows the Phase 2 landfill performance calculated with GPS surveys over each period the Phase 2 cell was open and the total since Great West Engineering has been involved in the landfill operation. Portions of the Phase 2 cell were closed in 2013 and did not receive any waste since December 2011. The Phase 2 cell has not been surveyed since December 2011, so therefore, Great West Engineering has not surveyed the Phase 2 cell since December 2011. The Phase 2 Closure area was surveyed for the purposes of drawings for the record that were submitted to the Montana Department of Environmental Quality (MDEQ).

Table 5 shows the Phase 3 landfill performance and the overall average of that cell. For three time periods the Phase 3 cell did not receive any waste due primarily to the landfill staff continuing to fill the Phase 2 cell. Tables 6 shows the overall landfill performance for Phases 2 and 3 combined.

The overall space utilization for the Phase 3 cell over the last period, as measured by the volume per ton ratio, was 1.50 CY/Ton. This was 6.4% better air space utilization than last time period. The overall performance of the landfill is measured by the volume per ton ratio. The two components which directly impact the overall landfill performance are the compacted waste density and the waste-to-soil ration.

The site achieved a compacted waste density of 1,669 pounds per cubic yard over the last period. The landfill staff are commended for their continued excellent compaction rate. The industry standard for compacted waste density at landfills which operate 826-equivalent compactors is 1,200 pounds per cubic yard. The District staff are far exceeding that metric with the operation. This high compaction is due to dedicated and consistent application of compaction techniques in conjunction with quality equipment and operators. The District will continue with the compaction techniques it currently uses on the site.

The overall waste-to-soil ratio for the time period was 4.04:1. This is a 22% decrease in soil usage over the previous period. The District will continue to utilize the approved daily cover as often as possible in lieu of soil.

In summary, the industry standard for landfills this size is a compacted waste density of 1,200 pound per cubic yard and a 3:1 waste to soil ratio which results in an overall volume per ton performance of 2.22 cubic yards per ton. The overall performance measured by GPS over this last period was 32% better than standard landfill performance metrics (6% better than last year). The landfill staff are commended for obtaining this outstanding waste density and overall landfill performance which ensures the landfill life is maintained, and in this case, actually extended via excellent performance criteria.



**Table 4
Logan Landfill Municipal Solid Waste Phase 2 Cell
Performance Analysis Summary**

	5/18/05 10/15/05	10/16/05 3/30/06	3/31/06 11/08/06	11/09/06 10/29/07	10/29/07 8/12/08	8/12/08 4/16/09
Total Fill Volume	41,836 CY	56,005 CY	123,015 CY	218,970 CY	57,555 CY	68,969 CY
Soil Volume	0	0	18,732 CY	38,500 CY	9,844 CY	17,789 CY
Waste to Soil Ratio	NA	NA	5.6:1	4.7:1	4.85:1	2.88:1
Tonnage Accepted	28,720 Tons	43,646 Tons	77,587 Tons	116,490 Tons	31,498 Tons	36,893 Tons
Compacted Waste Density	1,373 LB/CY	1,559 LB/CY	1,488 LB/CY	1,291 LB/CY	1,320 LB/CY	1,442 LB/CY
Volume Per Ton Ratio	1.46 CY/Ton	1.28 CY/Ton	1.59 CY/Ton	1.88 CY/Ton	1.83 CY/Ton	1.87 CY/Ton
	4/17/09 11/25/09	11/26/09 6/28/2010	6/29/2010 4/11/2011	4/12/2011 12/8/2011		Phase 2 Total
Total Fill Volume	67,018 CY	61,328 CY	81,190 CY	66,261 CY		842,147 CY
Soil Volume	14,634 CY	10,526 CY	15,014 CY	9,738 CY		134,777 CY
Waste to Soil Ratio	3.58:1	4.83:1	4.41:1	5.80:1		5.25:1
Tonnage Accepted	41,560 Tons	42,254 Tons	60,187 Tons	53,484 Tons		532,319 Tons
Compacted Waste Density	1,587 LB/CY	1,663 LB/CY	1,819 LB/CY	1,892 LB/CY		1,505 LB/CY
Volume Per Ton Ratio	1.61 CY/Ton	1.45 CY/Ton	1.35 CY/Ton	1.24 CY/Ton		1.58 CY/Ton



Table 5
Logan Landfill Municipal Solid Waste Phase 3 Cell
Performance Analysis

	11/26/09 6/28/2010	6/28/10 4/11/11	4/12/11 12/8/11	12/9/11 10/10/12	10/11/12 3/20/14	3/21/14 3/5/15
Total Fill Volume	0	0	0	118,087 CY	181, 494 CY	131,209 CY
Soil Volume	0	0	0	23,759 CY	27,5 06 CY	21,786 CY
Waste to Soil Ratio	NA	NA	NA	3.97:1	5.60: 1	5.02:1
Tonnage Accepted	0 Tons	0 Tons	0 Tons	65,028 Tons	115, 075 Tons	91,371 Tons
Compacted Waste Density	NA	NA	NA	1,379 LB/CY	1,49 5 LB/C Y	1,670 LB/CY
Volume Per Ton Ratio	NA	NA	NA	1.82 CY/Ton	1.58 CY/T on	1.44 CY/Ton
	3/5/15 4/10/16	4/11/16 3/24/17	3/25/17 4/11/18	Phase 3 Total to Date		
Total Fill Volume	158,173 CY	138,082 CY	169,187 CY	11,064,449 CY		
Soil Volume	33,760 CY	31,940 CY	33,588 CY	217,533 CY		
Waste to Soil Ratio	3.69:1	3.32:1	4:04:1	3.89:1		
Tonnage Accepted	103,490 Tons	97,766 Tons	113,160 Tons	678,121 Tons		
Compacted Waste Density	1,664 LB/CY	1,842 LB/ CY	1,669 LB/CY	1,601 LB/CY		
Volume Per Ton Ratio	1.89 CY/Ton	1.41 CY/Ton	1:50 CY/Ton	1.57 CY/Ton		

**Table 6
Logan Landfill
Municipal Solid Waste Phase 2 and 3 Cells
Performance Analysis Summary**

	Phase 2 Total	Phase 3 Total to Date	Phases 2 and 3 Total to Date
Total Fill Volume	842,147 CY	1,064,449 CY	1,906,596 CY
Soil Volume	134,777 CY	217,533 CY	352,310 CY
Waste to Soil Ratio	5.25:1	3.89:1	4.41:1
Tonnage Accepted	532,319 Tons	678,121 Tons	1,210,440 Tons
Compacted Waste Density	1,505 LB/CY	1,601 LB/CY	1,558 LB/CY
Volume Per Ton Ratio	1.58 CY/Ton	1.57 CY/Ton	1.58 CY/Ton



Class IV Area Performance Evaluation

Great West Engineering, Inc. also measured Class IV performance since the Class IV area opened. Class IV materials are much more difficult to obtain high compaction levels because of the nature of the waste. Industry standard metrics for Class IV landfills are 750 pounds per cubic yard compacted waste density and a waste-to-soil ratio of 6:1. This results in an overall volume per ton ratio of 3.1 cubic yards per ton. Table 7 shows that the landfill has exceeded industry metrics the last ten time periods for Class IV operations.

Table 7 Logan Landfill Class IV Performance Analysis

Dates	4/17/2009 11/25/2009	11/26/2009 7/7/2010	7/8/2010 4/14/2011	4/15/2011 12/8/2011	12/9/2011 10/10/2012	
Total						
Fill Volume	33,767 CY	20,768 CY	46,752 CY	51,699 CY	28,538 CY	
Soil Volume	3,780 CY	2,285 CY	6,432 CY	6,977 CY	6,225 CY	
Waste to Soil Ratio	7.93:1	8.09:1	6.27:1	6.40:1	3.58:1	
Tonnage Accepted	14,557 Tons	9,175 Tons	29,381 Tons	27,577 Tons	14,622 Tons	
Compacted Waste Density	970 LB/CY	993 LB/CY	1,457 LB/CY	1,233 LB/CY	1,310 LB/CY	
Volume Per Ton Ratio	2.32 CY/T	2.26 CY/T	1.59 CY/T	1.87 CY/T	1.95 CY/T	
Dates	10/11/2012 3/20/2014	3/21/2014 3/5/2015	3/6/2015 4/10/2016	4/11/16 3/24/17	3/25/17 4/11/18	Total
Total Fill Volume	69,737 CY	58,665 CY	65,472 CY	61,868 CY	74,763 CY	512,029 CY
Soil Volume	13,739 CY	8,465 CY	13,940 CY	13,960 CY	15,624 CY	91,427 CY
Waste to Soil Ratio	4:08:1	5.93:1	3.70:1	3.43:1	3.79:1	3.79:1
Tonnage Accepted	25,957 Tons	21,787 Tons	27,197 Tons	26,721 Tons	33,105 Tons	230,079 Tons
Compacted Waste Density	927 LB/CY	868 LB/CY	1,056 LB/CY	1,116 LB/CY	1,120 LB/CY	1,094 Tons
Volume Per Ton Ratio	2.69 CY/Ton	2.69 CY/Ton	2.41 CY/Ton	2.32 CY/Ton	2.26 CY/Ton	2.23 CY/Ton

Life

Estimates

The performance data, tonnage and the Landfill Master Plan were used to estimate the remaining life of Phase 3, the Class IV area and the overall landfill. To estimate the remaining life of Phase 3, the first step the engineer did was to calculate the remaining air space in the phase. The computer generated land surface model from the April 11, 2018, survey was compared to the interim fill plan for Phase 3 to determine the remaining air space. The Master Plan showed the interim fill slopes for Phase 3 to be a 5:1 grade. The slopes, thus far, have been built at a 4:1 grade. To accommodate the change, Great West Engineering, Inc., in consultation with the District, changed the interim fill slope to a 4:1 grade. This did not impact the overall life of the facility, but did change the life expectancy of the Phase 3 cell. This meets the requirements of the seismic design demonstration.

In order to estimate the remaining life of Phase 3, the engineer needed to project the waste generation throughout the remaining life of this cell. Currently 140,000 Tons per year is the best estimate of the annual tonnage for projections on remaining site life. This has increased from 130,000 tons/year from the last estimate.

The total air space includes the final cover for the portion of Phase 3 fill when it reaches the final proposed elevations. It was subtracted out of the air space available for waste and daily intermediate soil cover. The overall performance of Phases 2 and 3 is the best estimate of how much daily and intermediate cover will be utilized at the site. However, it is critical the District continue to use alternative daily cover (ADC) to the extent possible in order to minimize the air space usage of the landfill. The engineer estimated that the landfill will be able to utilize soil long term at a 4:1 waste to soil ratio. The landfill achieved this goal this period but, to date, the landfill is slightly below this ratio and needs to continue to reduce the soil usage to achieve a 4:1 waste to soil ratio. The estimated daily and intermediate soil cover usage is then subtracted from the available air space to determine the volume available for waste.

The last variable to determine is the compacted waste density. The landfill averaged 1,669 LB/CY over the last period. The industry standard for compacted waste density for a landfill of this size with an 826 equivalent compactor is 1,200 LB/CY. It appears from the last 16 periods that the District should be able to consistently achieve waste densities of 1,350 LB/CY and above. The landfill staff does an excellent job of placing the waste in thin lifts and compacting the waste with multiple equipment passes in both directions. For the basis of these life estimates, the engineer used a 1,350 LB/CY waste density. The landfill staff has proven that they can achieve this density consistently.

The life estimate analysis is summarized in Table 8. The estimates assume there will be no large "one-time" disposal projects. An example would be a large hail storm or earthquake generating a great deal of construction and demolition wastes. The capacity estimate also assumes that the District will not expand its service area during the remaining landfill life. If the District does expand its service area in the future, the life estimate would need to be updated. The ultimate life of the site will be highly dependent on the waste tonnage received at the site and the landfill performance. If the tonnage increases over this estimate or the landfill performance drops, the District will have less life than predicted.

In September 2010, an Addendum to the Landfill Master Plan was designed to include the Class IV Expansion. During this Master Plan update, a new life estimate was developed. Table 8 uses the updated Master Plan numbers to determine life projection estimates. The volumes used to develop Table 8 were calculated using CAD applications. The Phase 4 expansion cell was overexcavated in 2017, which prompted a redesign for the Phase 4 expansion cell. The redesign increased the life estimate of the Phase 4 cell. The Phase 4 cell will be built in 2018.

Based on the waste streams received this last time period, 77% of the waste stream went into the Phase 3 cell, and the other 23% of the waste was diverted into the Class IV area. On average, the Class IV area receives approximately 20% of the waste and the Class II areas (Phase 3) receive approximately 80% of the waste entering the landfill. Therefore, the Phase 3 life was estimated using 80% of 140,000 Tons per year and 20% of 140,000 Tons per year for the Class IV life estimates. The life of each area was calculated and is shown in Table 8. The life estimates for the waste accepted in Phase 3 shown in Table 5 are based on 104,000 Tons per year waste, with a 1,350 LB/CY compacted waste density, 4:1 soil-to-waste ratio and an overall volume per ton ratio of 1.85 CY/Ton. The life estimates for the waste accepted in the Class IV area shown in Table 8 are based on 28,000 Tons per year of waste, with a 1,000 LB/CY compacted waste density and 5.5:1 waste-to-soil ratio.

The life of Class IV cell is based on a rate of 28,000 tons/year for 1.1 years until it reaches capacity while the Phase 3 cell is accepting waste at 112,000 tons/year. Once the Class IV cell has reached full capacity, the Phase 3 cell will accept the full 140,000 tons/year for another 1.5 years.

Once the Phase 3 cell reaches full capacity after a total of 2.6 years, the Phase 4 cell will accept both waste streams at 140,000 tons/year. The Phase 4 cell will have a total life of 5.62 years. The total life of the landfill is 8.22 years (Phase 3 – 2.6 years + Phase 4 – 5.62 years).

As of April 11, 2018, Phase 3 has 691,188 CY of airspace remaining. The District has placed a total of 1,064,449 CY of fill in Phase 3 to date. To properly close Phase 3; 75,375 CY of cover will be needed, which results in an available airspace of 615,813 CY for refuse and daily cover in Phase 3.

**Table 8
Logan Landfill (Gallatin County)
Life Projection Estimates (April 2018)**

Class IV Area (Based on 28,000 Tons per Year)	1.1 years
Phase 3 Life (Based on 112,000 Tons per Year)	2.6 years
Phase 4 Life (Base on 140,000 Tons per Year)	5.62 years
Total Life (Based on 140,000 Tons per Year)	8.22years

Closure Work at the Logan Landfill



January 15, 2018, Great West Engineering prepared updated information concerning the estimated closure and post-closure costs for the landfill. These costs were developed to determine what the District's financial assurance requirements with the Montana Department of Environmental Quality (MDEQ) will be for the upcoming year.

Three areas covered:



Life of Site



Closure Work



Landfill Post-Closure Costs





The remaining overall life of the landfill site is estimated on the following information:



The current Master Plan for the site dated December 2007 and the Addendum to the Landfill Master Plan-Class IV Expansion dated September 2010.



Current estimated annual tonnage of 140,000 Tons per year based on detailed tonnage records maintained by the District.



Estimated waste disposal efficiency of 1.85 CY/Ton based on 1,350 LB/CY waste density and 4:1 waste-to-soil ratio. The District has routinely exceeded these metrics on previous measurements taken at the site.

There are two very important items to note regarding the projections of facility life.

- First, the landfill has routinely exceeded the design performance criteria for compaction and overall space utilization which effectively increases the life span of the facility. The difference is created by the high level of compaction efficiency the landfill has routinely achieved over the last several years.
- Second, the annual tonnage projection is 140,000 tons/year based on the current tonnage being accepted at the site. An increase from 120,000 tons last Fiscal Year. Based on the above updated information, they estimated the overall site has 8.22 years of life remaining from the date of this letter, May 14, 2018. The final life of the overall site will be affected by the actual waste quantities accepted at the landfill, the amount of waste diverted out of the landfill, and the waste disposal efficiency that is achieved.

The total Class II and Class IV landfill area was increased from 53 to 55 acres in the 2010 addendum to the Master Plan. The County closed approximately three acres of the landfill in 1996 and another seven acres in 2013. The remaining 45 acres of waste area will require closure over the remaining life of the site. The MDEQ has approved an alternative final cover design which relies on native soil materials for the cover system rather than synthetic materials. This alternative cover system will be used for the remainder of the closure projects at the landfill.

The final cover design is a four-foot thick soil cover system that includes the following sections from bottom to top.



Final contouring the site making sure that all areas are properly sloped, graded and intermediate covered per the final contour plan.



Installation of twelve inches of native sand/soil material.



Twenty-four inches of select fine-grained native silt soil material placed as the evapotranspiration layer for the cover. This material will be selectively excavated and pushed into place with low ground pressure equipment, likely D-7 dozers or smaller.



Twelve inches of native sand/soil material of which the top six inches will be topsoil material amended with compost or other fertilizer.



Vegetating the site with a seed/fertilizer mixture as outlined in the closure plan. It is assumed that the seed mixture will be tilled in using a tractor and an end wheel press drill or another acceptable seeder. In areas which are too steep for drill seeding, hydroseeding techniques will be used.

The total estimated cost per acre for installing the final cover system is shown in Table 9.



**Table 9
Logan Landfill
Estimated Closure Costs Per Acre
Alternative Final Cover System
Updated January 2018**

Activity	Quantity	Unit	Cost/Unit	Cost
Mobilization/Bonding/Insurance	1	LS	\$3,000.00	\$3,000.00
Subgrade Preparation	800	CY	\$4.00	\$3,200.00
12" Capillary Sand Layer	1,600	CY	\$3.00	\$4,800.00
24" ET Silt Layer	3,200	CY	\$4.00	\$12,800.00
12" Sand Erosion & Topsoil Layer	1,600	CY	\$3.00	\$4,800.00
Drainage Controls	1	LS	\$3,000.00	\$3,000.00
Seed, Fertilizer, Mulch	1	AC	\$2,000.00	\$2,000.00
Gas Venting System	1	AC	\$5,000.00	\$5,000.00
Survey/Certification	1	AC	\$2,000.00	\$2,000.00
Engineering/Quality Assurance/Inspection	1	LS	\$8,000.00	\$8,000.00
Closure Cost Per Acre				\$48,600.00



The District completed construction of a 9 acre compost facility in July of 2016. This facility generally accepts approximately 1,500 cubic yards of compost per year. Closure of the compost area will consist of moving any remaining compost from the compost area to the working face of the landfill, placing six inches of topsoil amended with compost or other fertilizer, and vegetating the site with a seed/fertilizer mixture as outlined in the closure plan. It is assumed that the seed mixture will be tilled in using a tractor and an end well press drill or another acceptable seeder. The total estimated cost per acre for closing the compost area is shown in Table 10.

Table 10
Logan Landfill
Estimated Closure Costs Per Acre
Compost Area
Updated January 2017

Activity	Quantity	Unit	Cost/Unit	Cost
Move Remaining Compost	1,500	CY	\$2.00	\$3,000.00
6" Topsoil Layer	800	CY	\$3.00	\$2,400.00
Seed Fertilizer Mulch	1	AC	\$2,000.00	\$2,000.00
Closure Cost Per Acre				\$7,400.00



FINANCIAL ASSURANCE APPROACHES

The Montana financial assurance regulations require that the landfill financially assure for the largest planned open area during the life of the landfill. Currently, the landfill has 21.5 acres of open Class II and Class IV landfill area, and 9 acres of open compost area. Under the current master plan this is also the largest open area during the life of the landfill. The MDEQ allows two basic approaches for financial assurance. One approach is to financially assure for the largest open area during the landfill life. Under this approach, the financial assurance timeline is based on when those funds would be needed for an emergency closure. The other acceptable approach is to financially assure for the entire landfill area. Under this approach, the financial assurance timeline is the overall life of the site. This report provides cost estimates for both approaches so the County can elect the mechanism which best fits the District’s landfill.



CLOSURE COSTS & FINANCIAL ASSURANCE BASED ON OVERALL SITE

Under this approach, the financial assurance can be built over the life of the site. With each closure project, the amount of the financial assurance requirement decreases. The annual financial assurance updates reflect these changes and the County can adjust the financial assurance amount over time. The total remaining Class II and Class IV landfill area to be closed with the alternative cover system consists of approximately 45 acres. The total compost area to be closed with the compost closure section is approximately 9 acres. The MDEQ requires that the financial assurance cost estimates be based on all of the work being conducted by a private contractor rather than the County or District. Therefore, it is assumed that plans, specifications and bid documents will be prepared and the project will be bid out. It is also assumed that the engineer will provide staking, compaction testing, quality assurance testing, interim and final inspections, and certifications and as-built drawings. A boundary survey needs to be completed and the deed needs to be filed at the courthouse. The estimated closure costs of the overall landfill site are depicted in Table 11. The total estimated closure cost is \$2,478,960.

**Table 11 Logan Landfill Updated January 2018
Estimated Closure Costs - Closure of Entire Remainder of Site**

Activity	Quantity	Unit	Cost/Unit	Cost
Alternative Final Cover System	45	AC	\$48,600	\$2,187,000
Compost Area Closure	9	AC	\$7,400	\$66,600
10% Contingency				\$225,360
Closure for the Entire Site	54	AC		2,478,960

CLOSURE COSTS & FINANCIAL ASSURANCE BASED ON LARGEST OPEN AREA

In this approach, financial assurance is based on the largest area open during the life of the site. Under the updated Master Plan, the current open Class II and Class IV areas of 21.5 acres and 9 acres of compost area is the largest area planned to be open during the life of the site. The estimated closure costs of this portion of the site are depicted in Table 12. The estimated closure cost is \$1,222,650.

Table 12 Logan Landfill Updated January 2018

Estimated Closure Costs – Closure of Largest Open Area

Activity	Quantity	Unit	Cost/Unit	Cost
Alternative Final Cover System	21.5	AC	\$48,600	\$1,044,900
Compost Area Closure	9	AC	\$7,400	\$66,600
10% Contingency				\$111,150
Cost to Close Maximum Area	21.5	AC		1,222,650



For the purposes of the financial assurance under this scenario, the County needs to examine what has already been placed in the financial assurance account versus what is needed to meet the State’s requirements.

POST-CLOSURE COSTS

In regard to the post-closure costs, the regulations require each landfill owner to monitor for methane, monitor the groundwater, have an independent Professional Engineer conduct an annual inspection, update the closure and post-closure costs annually, and maintain the cap and drainage structures for settlement, erosion, cracking or any other situation that may jeopardize the integrity of the cap or drainage controls.

The estimated costs for these items for the 30-year post-closure period are summarized in Table 13. To calculate these costs, the following assumptions were used:



The annual costs for groundwater and methane monitoring are based on the current annual monitoring costs. Groundwater monitoring costs have increased significantly with the addition of new monitoring points associated with the corrective measures assessment. Also, the proposed expansion of the license boundary to accommodate the composting area will add monitoring and testing costs. It is estimated that monitoring will cost approximately \$22,000 per year during the post-closure period.



The leachate collection will require periodic inspections, periodic pumping and minor maintenance. This is estimated to cost approximately \$1,500 per year.



Once annually, an independent third party Professional Engineer will inspect the site for any non-compliance or maintenance issues including the integrity of the cap, drainage, fencing, etc. The Engineer will correspondingly write a report summarizing his/her findings and recommendations. The Engineer will also prepare an updated cost estimate indicating the cost to close the site along with the cost for the 30-year post-closure monitoring, etc. These costs will correspondingly be sent to the appropriate officials. The estimate assumes 20 hours of labor at \$115 per hour and miscellaneous word processing and expenses.



It is necessary for the Owner of the facility to maintain the integrity of the cap and drainage controls. It is difficult to estimate what the annual cost to conduct this work might be several years from now. For this estimate it was assumed that once per year a contractor will provide 16 hours of equipment time to haul in and blade soil in the settled areas at \$500 per hour and revegetate areas for \$500 per hour. Annual cost \$8,500.



The EPA has passed new regulations requiring annual reporting of greenhouse gas emissions. This process is currently costing the District approximately \$1,500 per year for the professional services to report the annual emissions.



**Table 13 Logan Landfill January 2018
Thirty Year Post-Closure Care Cost Estimate**

Item	Annual Cost	Total 30 Year Cost
Groundwater & Methane Monitoring	\$22,000	\$660,000
Leachate Collection System Operation & Maintenance	\$1,500	\$45,000
Annual Engineering Inspection	\$2,300	\$69,000
Periodic Cap and Stormwater Maintenance	\$8,500	\$255,000
Annual Greenhouse Gas Reporting	\$1,500	\$45,000
Total	\$35,800	\$1,074,000

**FINANCIAL ASSURANCE UPDATE BASED ON OVERALL SITE LIFE
APPROACH**

In October 2006, the District elected to utilize the overall site life approach to determine the financial assurance obligation. Tim Stepp, Environmental Engineer with the MDEQ agrees with the approach in correspondence. We understand that the balance in the closure/post-closure reserve is current as of December 2017. Table 14 calculates the cost per ton to meet financial assurance requirements under the overall site method.

**Table 14 January 2018
Logan Landfill Financial Assurance Calculation**

Overall Site Closure Costs	\$2,478,960
Post Closure Costs	\$1,074,000
Total Obligation	\$3,552,960
Closure/Post Closure Reserve (December 31, 2016)	\$-2,296,024
Amount to Finance Over Remaining Site Life	\$1,256,936
Total Remaining Tonnage	1,052,000 Tons
Cost Per Ton to meet Closure Post Closure Financial Assurance Requirements Under Overall Site Method	\$1.19 Per Ton



Groundwater monitoring is conducted semiannually in July and October and results are reported according to the rules established since 1990 at the Logan Landfill. There are currently 15 monitoring wells, including two shop wells, a scale/administration building well, which is utilized for the site water supply, and three new wells were installed for the Soil Vapor Extraction Pilot Study. Additionally, samples are collected from a spring located north of Interstate 90 once a year, three residents wells, and water levels from an unused monitoring well located on the east side of the landfill are measured during every sampling event.

All downgradient wells, LMW-2, LMW-3, LMW-4, LMW-5 and the Old Shop Well have shown various levels of VOC's over time. In 2006, due to a statistical exceedance of the Maximum Contaminant Level for tetrachloroethene in LMW-4 the landfill has been in a five-year Corrective Measures Plan (CMP) with MDEQ. The pilot program tested the effectiveness of a remediation product to address groundwater contamination at the site. The product was injected directly into the groundwater approximately seven years ago and the District has been monitoring wells downgradient of the injection site since that time. The CMP approved by MDEQ requires the County reevaluate the effectiveness of the remediation product at the end of the five-year period and develop a full scale plan for remediation of the site. In 2012, in the evaluation, the product used was successful in reducing the Perchloroethylene (PCE) concentration, but there was concern in the inconsistency in groundwater data collected during the five-year program that questioned the source of the PCE. A soil gas field investigation and assessment was approved by MDEQ and conducted. It was suspected the PCE and other VOC's occur in soil gas in the vicinity of

the apparent source area of the groundwater plume. On February 10, 2014, on behalf of the District, Bruce Siegmund, Senior Hydrologist, Great West Engineering, Inc. submitted a Work Plan to MDEQ for a two-stage pilot program using a soil vapor extraction (SVE) system. On March 12, 2014, the District received a letter from John Collins, Environmental Science Specialist, Solid Waste Program, MDEQ, approving the first phase of the SVE Work Plan as proposed.

On September 15, 2014, Red Tiger Drilling and Great West Engineering, Inc. started the SVE drilling project. In October, Red Tiger Drilling completed the installation of the three wells for the SVE Pilot Study. Great West Engineering, Inc. and Olympus conducted tests on the wells on October 10, 2014.

In April 2015, the Pilot Study Report for the second phase of the Soil Vapor Extraction (SVE) System was sent to MDEQ. It was done to determine the viability of the use of SVE as a corrective measure for the Logan Class II Landfill. On June 4, 2015, John Collins, MDEQ Environmental Science Specialist, indicated that the pilot study was successful in the second phase using a larger blower. The larger blower appeared to have had the desired effect on the three vapor extraction wells. On June 18, 2015, Great West Engineering, Inc. submitted a Work Plan for the next phase of pilot testing. On October 26, 2015, Bruce Siegmund, Senior Hydrologist, Great West Engineering, submitted a Work Plan for additional testing for Phase II.

In June 2016, Great West Engineering, Inc. conducted a second phase of testing (Phase 2) over a period of about three weeks in order to develop a more-detailed understanding of several aspects of the proposed remedial application prior to deploying a larger system. Investigators tested two of the three SVE wells for radius of influence of extraction, potential rates and volumes of extraction, and chemical constituents of the soil gas over short-and long-term periods.

Great West Engineering, Inc. conducted two tests on the preliminary SVE system. The first test entailed configuring the system to extract soil gas from one well for a relatively short period of time to determine the radius of influence, potential rate of contaminant removal, and discharge flow limitations. The second test was intended to evaluate the recovery time, if any, required for VOCs to recharge to the area near the wells, to evaluate soil gas chemistry changes over a somewhat longer period of time, and observe the effects of two wells being discharged simultaneously.

The MDEQ received the results from the testing. In a letter dated November 23, 2016, MDEQ reviewed the results. In summary, it measured methane concentration between the upper and lower explosive limit. This will be a major consideration in the design and permitting of a long term SVE system treatment. MDEQ looked forward to the submittal of a work plan for the expansion of the SVE system and a possible proposal to inject Dehalococcoides in the area of LMW-4.

On November 18, 2016, Great West Engineering, Inc. submitted a work plan for the expansion of the SVE system Phase 3. It is based upon information developed from the Phase 2 pilot program. The investigation demonstrated the feasibility of the project and revealed elements that will need to be managed with further expansion.

The Phase 3 plan includes the completion of three soil vapor extraction wells, sampling and analysis of the soil vapor, installation of transmission lines from the wells to the blower

building, testing of the physical characteristics of the SVE piping, and the purchase and installation of an appropriately-sized blower and water-separator tank.

The MDEQ approved the SVE system expansion as submitted. The District will submit the project schedule and submit a final construction quality assurance report within 60 days of completion of the construction.

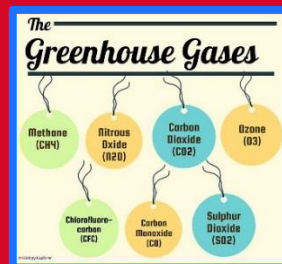
The District solicited bids for the wells. O'Keefe Drilling was awarded the contract. The wells were completed April of 2017. The field report includes well logs and test data from the wells.

On January 24, 2017, Great West Engineering, Inc. sent MDEQ the field report and testing of Phase 3 SVE wells and the design report and plans for the Phase 3 Corrective Measures Assessment Infrastructure. On February 28, 2018, MDEQ replied to the submission of the Phase 3 Soil Vapor Extraction system reports. The next Phase is Phase III B expansion to be approved by MDEQ.



The Logan Landfill's current Methane Monitoring plan follows the requirements for methane monitoring at municipal solid waste facilities in the State of Montana under ARM 17.50.511 1 (f) and (g). The methane monitoring is conducted quarterly. The points of monitoring include seven methane monitoring wells, eight passive vents, and five structures. The monitoring testing results are reported to MDEQ. In this reporting period, all monitoring results were within regulatory limits and are consistent with previous reports submitted. The District updated the Landfill's Methane Monitoring Sample and Analysis Plan. It was submitted to Montana DEQ in October 2016. We updated the Methane Monitoring map in June 2018.

The semi-annual Groundwater Monitoring reports were submitted to MDEQ June 2017 and November 2017. They met the requirements of the Administrative Rules of Montana Title 17, Chapter 50, Subchapter 13.



February 27, 2018, Bruce Siegmund, Senior Hydrologist for Great West Engineering, Inc., the District's agent of record, submitted the Annual Greenhouse Gas (GHG) report required by the Environmental Protection Agency (EPA) for reporting year 2017. The report was electronically sent, received, and certified.

In September of 2017, the final greenhouse gas updates regarding performance standards for new, modified and reconstructed landfills and updates to emission guidelines for existing landfills was received by the District. In November of 2017, MDEQ Air Quality division sent a letter regarding the new rules. The information they requested about the Logan Landfill was sent to them for review.

On March 13, 2018, the District submitted to MDEQ the application for our annual license renewal for FY 2017-2018 for Logan Landfill's permit #158. It was renewed. It covered the period of July 1, 2018 to June 30, 2019.



In March 21, 2018, Carrie Gardner, PE, Great West Engineering, Inc. completed the District's Biosolids Annual Report for permit #MTG650008 for the EPA for reporting year 2017. The regulations and rules changed. The documentation is kept in Logan Landfill's permanent records for inspections.



In October 2017, the District renewed the Federal Communication Commission (FCC) license for Logan Landfill's site radio system.



The District submitted Logan Landfill's 2017 Annual Compliance Evaluation Report for the storm water discharges associated with industrial activity Permit MTR00358 to MDEQ.

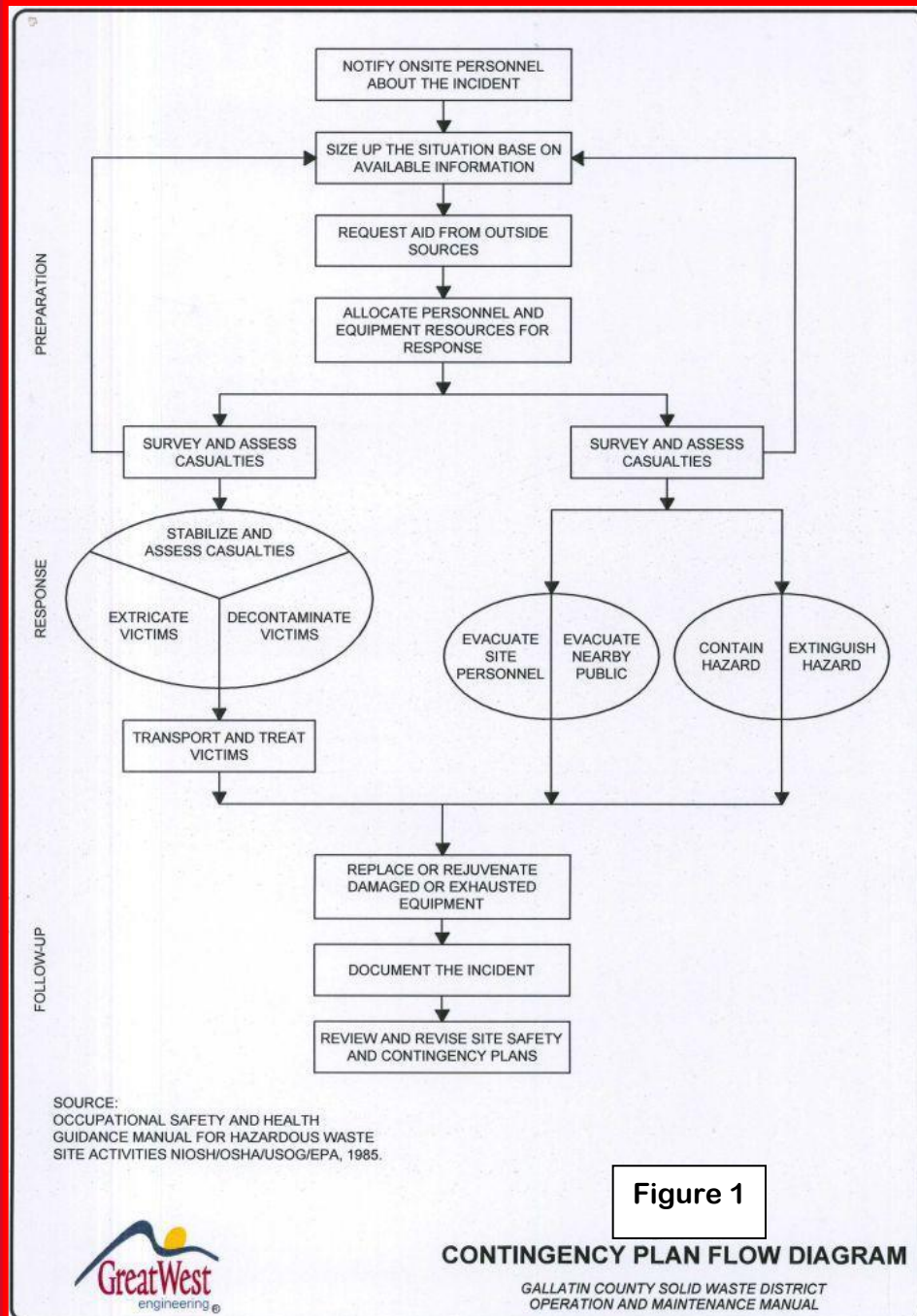
March 2018, the Stormwater Pollution Prevention Plan (SWPPP) was changed to reflect the addition of the three wells added to the monitoring system for Phase 3 of the Soil Evaporation Extraction Project. We submitted our Notice of Intent (NOI) to renew our Industrial Activity Permit MTR00358 to MDEQ on April 4, 2018.

The District submitted to NetDMR the landfills Discharge Monitoring Reports for monitoring periods 6/1/2017-9/30/2017;10/1/17-12/31/17;1/1/18-3/30/18;4/1/18-6/30/18. All of them were received and passed the review.

The Gallatin Solid Waste Management District is required to operate under an Operations Manual (O&M) approved by MDEQ. Under this O&M plan are set policies, procedures, and contingency plans for emergency response in case of an incident that may occur during operations of the District's programs. The District Manager or any other personnel present will contact the appropriate emergency response personnel in the case of injury, fire, accident, or disaster. General contingency plans are initiated by the District Manager once an employee has informed the District Manager of the situation.



When situations occur, a prompt, appropriate response can often limit the extent of property damage and counteract the effects of injury to personnel. Knowledge and awareness of potential hazards will be most useful in identifying causes and conditions of an emergency. The basics of the contingency plan provide for an effective emergency response: Trained personnel capable of responding to fire, poisoning, accidental injury and damage, and life threatening occurrences; safety equipment maintained in proper working order and in designated locations and; plan initial responses, assign responsibilities for actions, and routinely review these plans and assignments. The District budgets for specialized training each year to keep staff educated and trained to respond. Figure 1, the diagram below, shows the general flow as to how the contingency plan proceeds if such an incident occurs.



Other Training in this Fiscal Year: Hearing Conservation Program; Manager of Landfill Operations; Now What? Preparing for China's Waste Ban; State Fund Emergency Action Plans, Hazards Communications; Landfill Efficiency; State Fund Stress RX SAT/Return to Work Good Medicine; Post Consumer Plastic Recycling Turning Waste into Value; Hazmat/Fire Training; Hazmat IQ Version 20; First Aid/CPR/AED/Bloodborne Pathogens; Storm Water Discharge Training; Hazard Communication Chemical Hazards and Effects; Icy & Wet Surfaces; Lockout/Tagout; Trash Compactor Fatality; Tire Explosions; Portable Fire Extinguishers; Behavioral Safety; 3 Point Rule; Equipment Safety; Winter Driving Tips; Personal Protective Equipment; OSHA Top 25 Violations; Fire Classification; Importance of Hand Washing and Hand Protection; Electrical Shut off; Back up Safety; 20 Foot Rule, Cell Phone Use; Fire Prevention; Heat Stroke Sun Safety; Incident Response Grab-n-Go Kits; CPR Basics for Everyone Adult & Child & Infant; Intro to Lean Management Local Government; Workplace Harassment Prevention; Specific Equipment Training on Site



On May 23, 2018, the Montana Department of Labor performed a random safety compliance inspection at the Bozeman Convenience Site. No serious violations were found. Two recommendations were implemented. Annual Safety Hazard self-inspection.



Each year, the Montana Department of Labor and Industry, State Weights and Measures Division inspects and certifies the Logan Landfill and the Bozeman Convenience Site scales.



The Logan Landfill is subject to site inspections by the MDEQ. On July 14, 2017, the landfill was inspected by the MDEQ for compliance. No violations were noted. On October 11, 2017, the landfill was inspected. No violations were noted. On May 2, 2018, MDEQ did another site inspection. One minor violation for litter during the spring melt. Photographs were sent to MDEQ showing the litter had been cleaned up.



The Logan Landfill and the Bozeman Convenience Site are subject to annual inspections and service of its fire extinguishing systems.

Once a year the shop's boiler is inspected to reissue our certificate of operations by the State of Montana Building Codes Bureau.



Logan Landfill Projects & Improvements

During Fiscal Year 2018, the operators continued to excavate soil from the Phase 4 Expansion project, for cover soil and future closure projects. Landfill operations excavated and hauled a total of 48,348 yards from Phase 4. Approximately 24,000 yards of soil remained for Youderian Construction to excavate for the construction of Phase 4 in FY 2019.

On July 14, 2017, WE Dust Control applied mag chloride to the landfill roads.

In July, Knife River brought 337.66 tons of road base to improve the road up to Cell 2. The work was done by the operators.

In August, Dykema Land Company sprayed the Logan Springs Ranch property.

In August, new radios were installed in the 329E Excavator and the Kenworth Water Truck from Industrial Communications.

In September, we purchased a digital video system from Digital Video Systems to help identify and record license plates with a DVR in the scalehouse for safety purposes.



In September, Knife River brought 260.71 yards of 1 1/2 inch road base gravel for the road to Cell 3.

In September, we bought winter wheat seed. Dykema Land Company seeded and fertilized 311 acres of the Logan Springs Property.

On September 27, 2017, we had a Customer Appreciation Lunch and a Gallatin Solid Waste Management District Board Appreciation Dinner.



In October, We purchased a 2016 Dodge Ram 3500. We took off the box to use it as a flatbed, sand and salt spreader with a snowplow on the front.



In October, We purchased a 2006 Freightliner to replace the 1992 Peterbuilt hook truck. The machine arrived on site October 13th.

In December, Knife river delivered gravel for the the Class 4 road.

In December and January we added 6 new radios from Industrial Communications.

In March, we received our Land Use License Renewal #8542 (amendment #5 =\$19,168) from the DNRC.

On April 3, 2018 , Stepanie Beckett, PE and Travis Craig, PE with Great West Engineering, Inc. held a pre-bid conference with contractors at the Logan Landfill for the Phase 4 cell construction project. The bids were opened on April 24th.

April 24, 2018, the Logan Springs Ranch property was fertilized and then on April 28th the property was sprayed with pesticides and weed killer by Dykema Land Company.

In April, we had two fires. One fire in the public tipping area in one of the black boxes ignited after we were closed. The other was in Class IV. It kept reigniting throughout the day.

In April, Tetrattech did some geological testing for the proposed communication tower.



On May 8th at 7:30 p.m. County dispatch notified that there was a fire at the landfill. Staff responded. The fire in Cell 3 was out at 9:00 p.m. Staff went home. Dispatch notified again at 3:30 a.m. the fire reignited. We closed off the portion of the landfill from customers in that area on the 9th. The fire kept reigniting. It was out by May 10th.

On May 21st the Commission approved the contract with Youderian Constructon, Inc. for construction of the Phase 4 cell project.

In May, we purchased 510.2 yards of pit run gravel from A.M. Wells, Inc. for roads and the cell floor.

In June, we purchased 350.5 yards of pit run gravel from A.M. Wells, Inc. for roads and the tipping floor.

In June, we had Tetra Tech site testing approval for the proposed communication tower.

In June, the Logan Springs Ranch was sprayed twice once for weeds and the other for fertilizer by Dykema Land Company.

On June 6th we held a pre-construction meeting for Phase 4 Cell project.

On June 18th Youderian Construction started mobilization for the Phase 4 project. Project start date was June 20th with anticipated completion by the end of October 2018.

On June 19th the service contract with Blackfoot Communication, Inc. was approved for the purchase of a communication tower and band with upgrade.



The County and District has worked towards a proposed land exchange with the Department of Natural Resources and Conservation (DNRC) for many years. This fiscal year many meetings were attended by Jim Simon, GSWM District Manager, Steve White, Gallatin County Commissioner. They met with Craig Campbell with the DNRC who assisted in helping the District prepare a pre-application to the State Land Board. On October 21, 2013, the County Commission was presented the preliminary application for review. They agreed to send in the application with the \$100 processing fee. On May 6, 2014, the application was sent to the DNRC. In June 2014, the preliminary application submitted to the DNRC and was reviewed by the State. In August 2014, the Bozeman DNRC and the District worked on developing an assessment of the properties to work on preparing information for public comment and review. On December 15, 2014, at their regular meeting of the Board of Land Commissioners, the Land Exchange Preliminary application was presented. After receiving no public comment during a 30-day period, the Montana Land Board voted unanimously to give preliminary approval of the County-State land swap for the Logan Landfill to the benefit of both governments. In February 2016, a draft document was presented to Gallatin County by the DNRC to initiate the land exchange between Gallatin County and State Lands (DNRC). On September 6, 2016, the District submitted Gallatin County's outline of the proposed land swap agreement with the DNRC. The County and District are continuing to work with the State Land Board to move forward in the process of the exchange in the next fiscal year. In May, we had the Logan Springs Ranch appraised as part of the land exchange with the State Land Board. In June, the District received the Phase 1 Environmental Assessment of the Logan Springs Property for the land exchange. The copies of the report were sent to the DNRC on June 21st.

We continue to lease out the Logan Springs property for grazing on an annual basis due to the pending land exchange.

On March 1, 2017, the District paid \$19,168.00 to the DNRC to renew Land Lease #8542. It was an amendment to reissue #4 for one year. It expired February 28, 2018. We renewed it again for one year due to the pending land exchange. Reissue #5 expires February 2019..



**Logan Landfill
Profit and Loss
July 2017 through June 2018**

	Jul '17 - Jun 18
Ordinary Income/Expense	
Income	
Miscellaneous Revenue	177.91
Charges for services-Logan	
3430-42 · Disposal charge	4,862,202.66
Total Charges for services-Logan	4,862,202.66
Grazing Lease	2,400.00
Charges for Services-Bozeman	
Disposal Charge	-1.00

Total Charges for Services-Bozeman	-1.00
3710-10 · Interest earnings	185,117.25
Total Income	5,049,896.82
Gross Profit	5,049,896.82
Expense	
Tax Assessments	
540 · Tax Assessments	13.20
Total Tax Assessments	13.20
Personnel	
110 · Salaries & wages- permanent	668,530.30
120 · Overtime- permanent	56,288.64
140 · Employer contributions	262,768.68
141 · W.C. Employer Contributions	24,496.08
Total Personnel	1,012,083.70
Supplies	
215 · Tools and Equipment	13,277.70
210 · Office supplies	4,449.24
220 · Operating supplies	72,648.18
224 · Food	855.27
226 · Clothing & uniforms	2,817.25
Total Supplies	94,047.64
Fuel	
231 · Gas, oil, fuel, grease	123,059.20
Total Fuel	123,059.20
Maintenance	
230 · Repairs & maintenance supplies	90,923.69
232 · Tires	2,342.78
360 · General repair & maint by other	9,346.50
361 · Equipment repairs & maint	19,450.03
362 · Office equip repair & maint	3,262.35
Total Maintenance	125,325.35
Small Tools	
235 · Small Tools	16,727.04
236 · Computer and ITS Hardware	3,555.59
240 · Consumable Tools	1,394.38
Total Small Tools	21,677.01
Postage	
312 · Postage	1,809.32
Total Postage	1,809.32
Internet Services.	
315 · Internet Services	36.00
Total Internet Services.	36.00
Printing & duplicating	
320 · Printing & duplicating	985.36
Total Printing & duplicating	985.36
Advertising	

331 · Publications legal notices	439.00
337 · Advertising	3,900.88
Total Advertising	4,339.88
Purchased Services	
330 · Purchased Services	424.00
335 · Membership Dues	723.00
Total Purchased Services	1,147.00
Utilities	
341 · Electric Utilities	11,203.20
344 · Propane	6,523.56
345 · Telephone	20,794.91
346 · Cell phones	3,216.30
Total Utilities	41,737.97
Outside Services	
350 · Professional services	77,788.82
351 · Medical services, vet services	1,064.00
Total Outside Services	78,852.82
Travel	
370 · Travel	2,236.62
Total Travel	2,236.62
Training	
380 · Training	3,405.83
Total Training	3,405.83
Insurance	
510 · Property insurance	16,361.94
513 · Liability Insurance Allocated	26,508.25
Total Insurance	42,870.19
Licenses	
570 · License fees	61,405.41
Total Licenses	61,405.41
Rent	
530 · Rent	29,923.79
Total Rent	29,923.79
Administrative fixed costs	
590 · Administrative costs	52,120.00
Total Administrative fixed costs	52,120.00
Closure/Post Closure	
580 · Closure/post closure costs	186,480.52
Total Closure/Post Closure	186,480.52
Loan Interest Payments	
620 · Loan Interest	10,149.83
Total Loan Interest Payments	10,149.83
Depreciation	
830 · Depreciation	115,405.98
Total Depreciation	115,405.98
Total Expense	2,009,112.62
Net Ordinary Income	3,040,784.20

Other Income/Expense	
Other Expense	
Loan payments	
610 · Principal	125,000.00
615 · Principal Contra	-125,000.00
Total Loan payments	0.00
Reserve funds	
905 · Equipment/Next Cell Reserves	1,620,000.00
955 · EQUIP/NEXT CELL RESERVE CONTRA	-1,620,000.00
Total Reserve funds	0.00
Capital improvements	
930 · Improv other than buildings	137,135.09
935 · Improvements Contra	-137,135.09
940 · Capital exp- Machinery & equip	115,469.75
945 · Machinery & Equip Contra	-115,469.75
Total Capital improvements	0.00
Total Other Expense	0.00
Net Other Income	0.00
Net Income	3,040,784.20





Logan Landfill Balance Sheet as of June 30, 2018

ASSETS	
Current Assets	
Checking/Savings	
Cash Operational Combined	
10-1000 · Cash Operational	7,507,127.16
10-1005 · Cash Operational-Bzn Conv Site	-749,818.35
10-1010 · Cash Operational - Waste Divers	-2,250,213.09
Total Cash Operational Combined	4,507,095.72
10-2000 · Restricted Cash - Closure Costs	2,564,079.42
10-2110 · Cash - Fixed Asset Purchases	2,679,576.60
10-2130 · Cash Res for Security Deposit	96,000.00
10-2210 · Loan Payment Reserve	62,500.00
10-2220 · Loan Reserve (Future Year Pmt)	125,000.00
10-2230 · Reserve For Future Expansion	5,650,000.00
Total Checking/Savings	15,684,251.74
Accounts Receivable	
Accounts Receivable	
12-2000 · Logan Landfill	569,878.70
12-2005 · Bozeman Convenience Site	1,488.00
Total Accounts Receivable	571,366.70
Total Accounts Receivable	571,366.70
Total Current Assets	16,255,618.44
Fixed Assets	
13-3000 · Loan Receivable - Law & Justice	600,000.00
Fixed Assets	
18-6050 · Continuing Property Under \$5000	201,442.86
18-1000 · Land	1,650,785.00
18-2000 · Buildings	1,841,391.24
18-2100 · Allow for Depr- Buildings	-386,146.70
18-3000 · Intangibles	6,965.00
18-3100 · Amortization	-6,965.00
18-4000 · Improv Other Than Buildings	3,115,589.55

18-4100 - Allow for Depr- Imp Other than	-2,665,374.39
18-6000 - Machinery & Equipment	4,024,319.29
18-6100 - Allow for Depr - Mach & Equip	-1,722,822.49
18-8010 - CIP - Cell 4 Expansion	141,163.84
18-8020 - CIP - Logan Springs	194,115.45
18-8025 - CIP - Soil Vapor Extraction	141,730.45
18-8030 - CIP - Spring Rehab	13,271.78
18-8035 - CIP - License Expansion	6,991.50
18-8040 - CIP - Communications Tower	7,089.00
18-8500 - Class 4 Waste Area	35,433.23
Total Fixed Assets	6,598,979.61
Total Fixed Assets	7,198,979.61
TOTAL ASSETS	23,454,598.05
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Other Current Liabilities	
L&L Site Services	23,053.00
City of Bozeman	9,938.40
Four Corners Recycling.	26,834.36
20-6120 - Wages Payable	21,134.90
20-6130 - Payroll Liabilites	19,640.37
20-6135 - W.C. Payroll Liability Payable	2,808.38
20-9100 - Compensated Absences Payable	8,176.01
21-4000 - Security Deposits Payable	96,000.00
Current Portion-Long Term Debt	125,000.00
Total Other Current Liabilities	332,585.42
Total Current Liabilities	332,585.42
Long Term Liabilities	
23-5406 - Land Loan - Board of Investment	312,500.00
Current Portion	-125,000.00
23-6000 - Closure Cost Liability	2,417,021.60
23-9000 - Compensated Absences - Non-Curr	73,897.46
23-9500 - GASB 45 OPEB Net Obligation	71,497.56
Total Long Term Liabilities	2,749,916.62
Total Liabilities	3,082,502.04
Equity	
3000 - Net Assets	1,046,820.07
3900 - Total Net Assets	16,555,753.31
Net Income	2,769,522.63
Total Equity	20,372,096.01
TOTAL LIABILITIES & EQUITY	23,454,598.05



Bozeman Convenience Site Inspections, Projects and Improvements



On August 8, 2017, February 18, 2018 and March 29, 2018, Fire Suppression Systems did their inspections of the Household Hazardous Waste Building.



In Novemer, Marks Lumber chipped 4,250 cubic yards (471.32 tons), 21 loads of clean wood waste at the site hauled to the Logan Landfill for reuse.



On May 30, 2018, the Montana Department of Labor and Industry did a safety compliance inspection.



In June 2018, the State of Montana Weights and Measures Division inspected and certified the BCS Scale.



Bozeman Convenience Site Profit and Loss July 1, 2017 through June 30, 2018

	Jul '17- Jun18
Ordinary Income/Expense	
Income	
Charges for Services-Bozeman	
Disposal Charge	212,755.25
Total Charges for Services-Bozeman	212,755.25
Total Income	212,755.25
Cost of Goods Sold	
80% Compost due to City	19,380.80
Transport from Bzn Conv Site	
Rolloff Containers	134,745.00
Stationary Compactor Containers	5,460.00
Total Transport from Bzn Conv Site	140,205.00
Total COGS	159,585.80
Gross Profit	53,169.45
Expense	
Personnel	
110 · Salaries & Wages - Permanent	32,761.92
120 · Overtime- Permanent	3,323.47
140 · Employer Contributions	16,290.37
141 · W.C. Employer Contributions	489.55
Total Personnel	52,865.31
Supplies	
220 · Operating Supplies	1,369.69
224 · Food	22.98
Total Supplies	1,392.67
Maintenance	

230 · Repairs & Maintenance Supplies	1,321.37
362 · Office Equip Repair & Maint	1,252.00
Total Maintenance	2,573.37
Small Tools	
235 · Small Tools	205.99
Total Small Tools	205.99
Utilities	
341 · Electric Utilities	1,525.72
345 · Telephone	3,024.00
Total Utilities	4,549.72
Outside Services	
350 · Professional Services	9,399.69
Total Outside Services	9,399.69
Insurance	
513 · Liability Insurance Allocated	1,352.12
Total Insurance	1,352.12
Licenses	
570 · License Fees	280.00
Total Licenses	280.00
Administrative Fixed Costs	
590 · Administrative Costs	8,086.81
Total Administrative Fixed Costs	8,086.81
Depreciation	
830 · Depreciation	3,496.41
Total Depreciation	3,496.41
Total Expense	84,202.09
Net Ordinary Income	-31,032.64
Net Income	-31,032.64



Aerial
Photo
BCS



Bozeman Convenience Site Balance Sheet as of June 30, 2018

	Jun 30, 18
ASSETS	
Current Assets	
Checking/Savings	
Cash operational Combined	-
10-1005 - Cash Operational-Bzn Conv Site	749,818.35
Total Cash Operational Combined	749,818.35
Total Checking/Savings	749,818.35
Accounts Receivable	
Accounts Receivable	
12-2005 - Bozeman Convenience Site	1,488.00
Total Accounts Receivable	1,488.00

Total Accounts Receivable	1,488.00
	-
Total Current Assets	748,330.35
Fixed Assets	
Fixed assets	
18-6050 · Continuing Property Under \$5000	4,898.96
18-2000 · Buildings	65,377.72
18-2100 · Allow for Depr- buildings	-8,100.72
18-4000 · Improv Other Than Buildings	18,155.90
18-4100 · Allow for Depr- Imp Other Than	-5,074.48
18-6000 · Machinery & Equipment	98,769.19
18-6100 · Allow for Depr - Mach & Equip	-39,200.29
Total Fixed Assets	134,826.28
Total Fixed Assets	134,826.28
	-
TOTAL ASSETS	613,504.07
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Other Current Liabilities	
L&LSite Services	22,815.00
City of Bozeman	9,938.40
20-6120 · Wages Payable	2,244.06
20-6135 · W.C. Payroll Liability Payable	83.95
20-9100 · Compensated Absences Payable	324.38
Total Other Current Liabilities	35,405.79
Total Current Liabilities	35,405.79
Long Term Liabilities	
23-9000 · Compensated Absences - Non-Curr	3,269.52
Total Long Term Liabilities	3,269.52
Total Liabilities	38,675.31
Equity	
3900 · Total Net Assets	621,146.74
Net Income	-31,032.64
	-
Total Equity	652,179.38
	-
TOTAL LIABILITIES & EQUITY	613,504.07

Bozeman
Convenience
Site January 11,
2018 Blizzard



Recycling and Waste Diversion

The Solid Waste Management District's overall purpose is to develop a recycling program and continue to make it successful. To reuse, reduce, recycle, and intelligently dispose of waste materials. Its Mission: to conserve, protect and preserve the environmental resources of our community through advocacy, education and outreach programs in Gallatin County.



The District's recycling program began April 1, 2008. This fiscal year, the approved budget was \$606,396.00. At the end of this fiscal year, we spent \$466,099.51. We were under budget \$140,296.49. We spent \$568,322.47 in Fiscal Year 2017.

**Table 15 Recycling Budget to Actual & Expenses for
FY 2017 & FY 2018**

Expenses	Budget 2017	Actual 2017	Budget 2018	Actual 2018
Hauling/Processing	\$322,000.00	\$272,266.77	\$299,900.00	\$278,221.75
Wages	\$100,834.00	\$66,741.93	\$52,729.00	\$27,153.51
Waste Oil Containers	\$0.00	\$0.00	\$0.00	\$0.00
All Other	\$109,408.00	\$94,290.95	\$137,567.00	\$83,703.35
Outside Services	\$96,200.00	\$135,022.82	\$116,200.00	\$77,020.90
Total	\$628,442.00	\$568,322.47	\$606,396.00	\$466,099.51

The District budgeted \$111,825.00 (batteries, recycling from Four Corners Recycling, metal salvage, and e-waste) in anticipated revenue from the sale of recycled commodities. The revenue from recyclable commodities in the waste stream with existing markets was \$95,507.58 which was 85% of the budgeted amount. The previous Fiscal Year's anticipated revenue was \$60,490.00, and deposited \$127,280.16 in revenue or 210% of the budgeted amount. Recyclable commodity revenue prices are volatile and dependent on many outside factors such as foreign markets. Revenue prices were higher in Fiscal Year 2017 and declined in Fiscal Year 2018. Fiscal Year 2017 is the first year we had to pay for plastic processing at \$140 per ton.

Commodities accepted at each recycling site were plastics #1 and #2. Also accepted are steel cans, aluminum cans, paper, news print, magazines, and cardboard.

Other waste diversion efforts by the District include the sale of baled metal, which is mostly from discarded appliances and other scrap metal (\$21,686.76); battery cores mostly at \$7.00 per battery. We received \$714 from the batteries disposed of at the Logan Landfill and \$0 from the batteries disposed of at the Bozeman Convenience Site. We collected 5,610 gallons of oil from both sites, of that, 1,771 gallons came from the Bozeman Convenience Site and 3,839 from the Logan Landfill. There is no revenue received. We paid Custom Recyclers \$1,683.00 (.30/gal) for pickup and disposal of the oil. We disposed of 1,414 gallons of antifreeze, of that, 970 gallons came from the Bozeman Convenience Site. There is no revenue received. We paid \$435.00 (\$1/gal) to Custom Recyclers for pickup and disposal of the antifreeze.

Other recycled commodities: propane tanks (processed with the scrap metal); Freon; pesticide containers (964 pounds) in collaboration with the Montana Department of Agriculture (no revenue or expense) and; bear spray canisters in collaboration with the Gallatin National Forest (no revenue).

We have a clean wood and compost program at both sites. The Bozeman Convenience Site chipped wood is hauled to the Logan Landfill for reuse. We received 1,157.84 tons of woodchips at Logan from the Bozeman Convenience Site. The compost and wood chips are used for cover on the landfill cells. Logan received 3,415.86 tons into the clean wood/compost area. We collected \$49,862 from the disposal costs at the scale.

Processing costs for the District's recyclables from last year's \$82 ton changed to \$84 per ton (February 1, 2018 – January 31, 2019) The contract with Four Corners Recycling calls for a \$2.00 increase per ton each year in February for each year of the three year contract. Aluminum and steel are reduced 6% for estimated loss (waste) when revenues are calculated. All commodity revenues were mostly down this fiscal year. Tonnages were down, 5.52 tons. Plastic is reduced 8.5% for estimated loss. In Table 16, the District's Recycle Revenue and Tonnage compares this Fiscal Year with the previous four Fiscal Years.

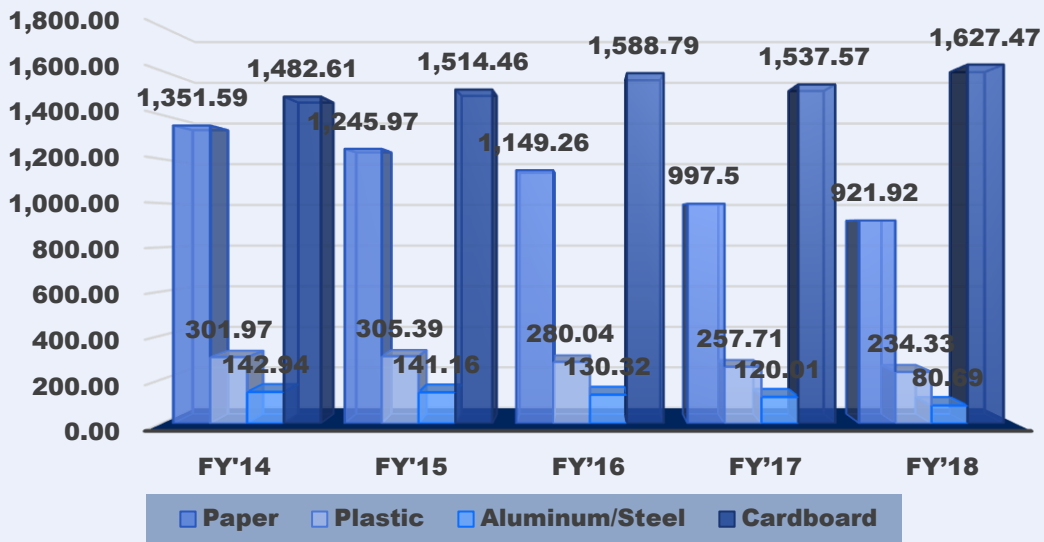


Table 16
District Recycle Revenue and Tonnage Comparison
Fiscal Years 2014 Through 2018

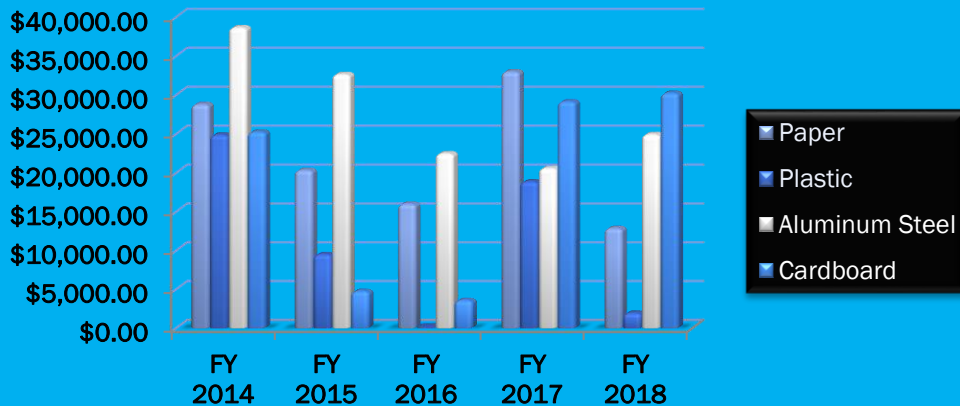
Roll-off Program	FY'14 Revenue	FY'15 Revenue	FY'16 Revenue	FY'17 Revenue	FY'18 Revenue
Paper	\$18,701.92	\$20,342.52	\$15,973.04	\$34,375.80	\$9,538.68
Plastic	\$17,114.93	\$9,466.48	\$105.24	\$16,237.61	\$2,239.95
Aluminum/Steel	\$23,871.96	\$32,639.85	\$22,468.63	\$21,157.01	\$24,722.82
Cardboard	\$19,436.73	\$4,743.75	\$3,572.79	\$37,478.68	21,885.64\$
TOTALS	\$79,125.54	\$67,192.60	\$42,199.70	\$109,209.15	\$58,378.09
Roll-off Program	FY'14 Tons	FY'15 Tons	FY'16 Tons	FY'17 Tons	FY'18 Tons
Paper	1,351.59	1,245.97	1,149.26	997.50	921.92
Plastic	301.97	305.39	280.04	257.71	234.33
Aluminum/Steel	142.94	141.16	130.32	120.01	80.69
Cardboard	1,482.61	1,514.46	1,588.79	1537.57	1627.47
TOTALS	3,279.14	3,206.98	3,148.41	2,912.79	2,907.27



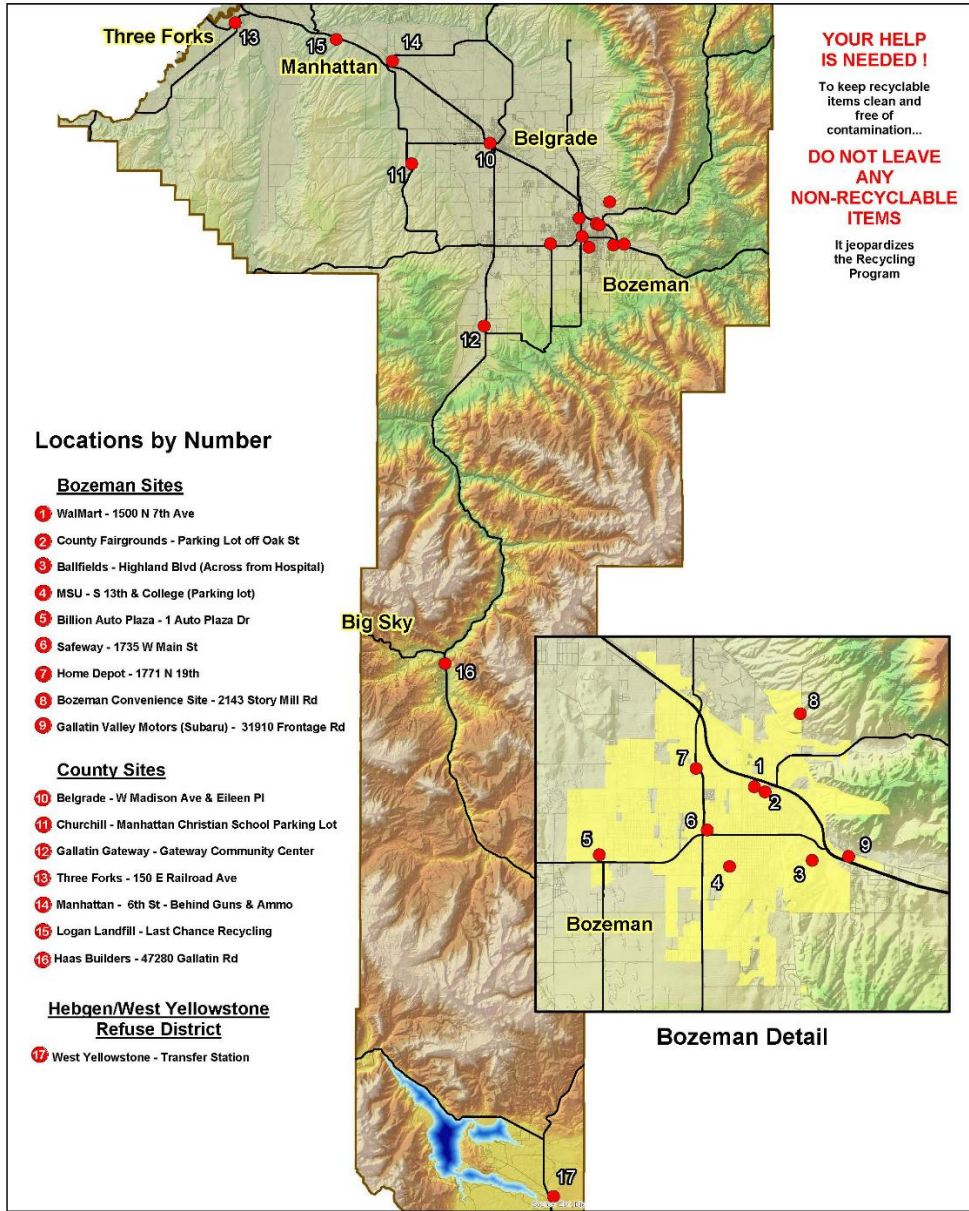
**Graph 3: Five-Year Commodity Revenue Comparison
FY 2014 – FY 2018**



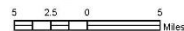
**Graph 4: Five-Year Commodity Tonnage Comparison
FY 2014 – FY 2018**



The District currently has 17 recycle sites located around Gallatin County and the City of Bozeman. All sites are hosted by the landowner.



Gallatin County Solid Waste Management District
Recycling Bin Locations



Recycling Outreach Education

The programs educational components are instrumental to raise awareness by educating and informing the public about the importance of recycling, what can be recycled, how to reduce waste, and associated benefits. The District is teaching others to be environmentally responsible in order to protect resources in Gallatin County and our beautiful State of Montana.

Recycling Outreach Events



July 19, 2017

Belgrade "Build a Better World": Two presentations with information on recycling at the Belgrade library and had recycled papermaking activities as part of each.



July 19, 2017

Manhattan Farmer's Market: Educational display at the Manhattan Farmer's Market.



July 25, 2017

Big Sky "Build a Better World": Activity at the library in Big Sky, teaching kids to make recycled paper and decorate reusable shopping bags.



August 2, 2017

Manhattan Farmer's Market: Answer recycling questions at the Manhattan Farmer's Market.



August 3, 2017

Logan Landfill Tour: Tour of the landfill with City of Bozeman employees and members of the Bozeman Climate Partners group.



August 16, 2017

Bozeman Public Library: Recycled papermaking workshop for 9-12 year old children.



August 17, 2017

Three Forks Farmer's Market: Answer recycling questions at the Farmer's Market in Three Forks.



August 19, 2017

Manhattan Potato Festival: Answer recycling questions at the Manhattan Potato Festival



August 22, 2017

Bogert Farmer's Market (Bozeman): Answer recycling questions at the Farmer's Market in Bozeman.



August 22, 2017

Park County Commission meeting: Presenting information about Fix-It Clinics to the Park County Commission in Livingston. Park County is considering development of a similar program and wanted to hear about Gallatin County's experience.



August 24-25, 2017

Catapalooza: Answer recycling questions at this 2-day event on the MSU campus in Bozeman.



September 6, 2017

Manhattan Farmer's Market: Answer recycling questions at the Manhattan Farmers Market.



September 7, 2017

Elixiter presentation: Discuss recycling, the landfill, and Household Hazardous Waste with employees at Elixiter Marketing Company in Bozeman.



September 14, 2017

Three Forks Farmer's Market: Answer recycling questions at the Farmer's Market in Three Forks.



September 16, 2017

Belgrade Fall Festival: Answer recycling questions at the Fall Festival.



September 19, 2017 **Bogert Farmers Market (Bozeman):** Answer recycling questions at the Farmer's Market in Bozeman.



September 30, 2017 **Fix-It Clinic:** Second Fix-It Clinic, held at the Gallatin County Fairgrounds.



November 7-8, 2017 **Pecha Kucha presentation:** Presentation at the Ellen Theater on the subject of the District's Fix-It Clinics. Pecha Kucha Bozeman is a quarterly event that runs for two consecutive nights, usually filling 350-400 seats in the theater. Presenters repeat their presentation each night to a different audience.



November 12, 2017 **WASTED: The Story of Food Waste:** Documentary screening at the Emerson Center for the Arts. GSWMD set up a table display to promote the upcoming Fix-It Clinic and home composting methods.



November 14, 2017 **County Commission Meeting:** America Recycles Day Proclamation to the County Commission.



November 15, 2017 **America Recycles Day panel discussion:** A lunch-time panel at the Bozeman Public Library to discuss recycling and waste diversion. Topics are the accepted materials in GSWMD recycling bins and less traditional recycling opportunities (propane cylinders, batteries, fluorescent bulbs, electronics, etc.). Other panelists include Republic Services, Four Corners Recycling, MSU Office of Sustainability, and West Paw Design.



November 18, 2017 **Fix-It Clinic:** Third Fix-It Clinic, held at the Belgrade Community Library from 11am to 3pm.



December 1, 2017 **Christmas Stroll in Three Forks:** Booth space to answer questions about our waste diversion programs during the Christmas stroll.



March 30, 2018 **Recycling presentation:** Fifth graders at the Belgrade Middle School.



April 19, 2018

Salvation Army Fix-it-Clinic (loaned the District's Fix-it-Clinic materials helped with advertising).



April 28, 2018

Free E-waste event: Logan Landfill in honor of Earth Day.



June 11, 2018

Tour: Logan Landfill with a group of Headstart students.



June 16, 2018

Tour: Logan Landfill for a second group of Headstart students.

Educational Outreach



Free Recycle Bin Loan Program



Educational Recycle Trunks Available to Check out at Local Libraires Bozeman, Belgrade, Manhattan, Three Forks

E-Waste Collection & Processing

The District started accepting e-waste year-round at the Logan Landfill. The fee is \$27 per ton, or under 400 pounds there is a \$5.00 minimum fee. The items accepted are listed in Table 17.

Table 17 Acceptable E-Waste Items

Televisions	Computer Monitors	Power Supplies	Modems
Laptops	Printers	Switches	Printed Circuit Boards
Hard Drives	Fax Machines	Video Conference	Stereo Components
Gaming Consoles	VCRs	Cable and Cords	Networking Equipment
Cell Phones	Radios	Routers	Servers
Lab Equipment	Test Equipment	Keyboards	Mice
Flat Panel displays	Computers (CPUs)	DVD Players	Telephones
Tape Drives	Digital Cameras	Zip Drives	

On April 28, 2018, the District held a free e-waste collection event for household residents at the Logan Landfill. It was held in conjunction with Earth Day Festivities. The District collected 20 15,760 pounds (20 pallets) shipped out to our new recycle processor 406 Recycling, Inc.

406 Recycling, LLC is our current e-waste processor.

Headquartered in Helena ,Montana, they provide secure, convenient and local electronics recycling



They are committed to environmental stewardship, data security and local jobs for veterans and people with disabilities. All materials collected for recycling will meet E-Steward or RS/RIOS TM.



Waste Diversion and Recycling Program

Profit & Loss

July 1, 2017 through June 30, 2018

	Jul '17 - Jun 18
Ordinary Income/Expense	
Income	
Charges for services-Logan	
3430-45 · Sale of junk or salvage	714.00
Total Charges for services-Logan	714.00
Charges for Services-Bozeman	
Sale of Junk or Salvage	3,156.60
Total Charges for Services-Bozeman	3,156.60
Waste Diversion Revenue	
Bulbs & Ballasts Tipping Fees	6,272.00
White Goods Tipping Fees	25,549.00
Compost Program Tipping Fees	53,712.00
Clean Wood Tipping Fees	39,163.00
Metal Salvage	21,686.76
E-Waste Tipping Fees	3,272.00
HHW	2,395.00
Total Waste Diversion Revenue	152,049.76
Recycling Revenue	
Sale of Paper	12,855.00
Sale of Plastic	1,934.44
Sale of Aluminum	19,751.59
Sale of Steel	5,177.31
Sale of Cardboard	30,231.88
Total Recycling Revenue	69,950.22
Total Income	225,870.58
Cost of Goods Sold	
Recycle Hauling Costs	242,942.45
359 · Recycle Plastic Processing	35,279.30
Total COGS	278,221.75
Gross Profit	-52,351.17
Expense	

Personnel	
110 · Salaries & wages- permanent	18,639.92
120 · Overtime- permanent	385.76
140 · Employer contributions	7,887.82
141 · W.C. Employer Contributions	240.01
Total Personnel	27,153.51
Supplies	
220 · Operating supplies	16,437.94
224 · Food	337.24
Total Supplies	16,775.18
Maintenance	
230 · Repairs & maintenance supplies	2,290.13
360 · General repair & maint by other	18,282.50
Total Maintenance	20,572.63
Small Tools	
235 · Small Tools	1,846.51
Total Small Tools	1,846.51
Printing & duplicating	
320 · Printing & duplicating	1,757.86
Total Printing & duplicating	1,757.86
Advertising	
337 · Advertising	3,198.69
Total Advertising	3,198.69
Purchased Services	
335 · Membership Dues	290.00
Total Purchased Services	290.00
Utilities	
341 · Electric Utilities	5,350.91
346 · Cell phones	643.26
Total Utilities	5,994.17
Outside Services	
350 · Professional services	77,020.90
Total Outside Services	77,020.90
Travel	
370 · Travel	27.82
Total Travel	27.82
Training	
380 · Training	50.00
Total Training	50.00
Insurance	
513 · Liability Insurance Allocated	1,717.84
Total Insurance	1,717.84
Rent	
530 · Rent	292.63
Total Rent	292.63
Administrative fixed costs	
590 · Administrative costs	2,707.39

Total Administrative fixed costs	2,707.39
Depreciation	
830 - Depreciation	28,472.63
Total Depreciation	28,472.63
Total Expense	187,877.76
Net Ordinary Income	-240,228.93
Net Income	-240,228.93



Waste Diversion and Recycling Program Balance Sheet as of June 30, 2018

	Jun 30, 18
ASSETS	
Current Assets	
Checking/Savings	
Cash operational Combined	
10-1010 - Cash Operational - Waste Divers	-2,250,213.09
Total Cash operational Combined	-2,250,213.09
Total Checking/Savings	-2,250,213.09
Total Current Assets	-2,250,213.09
Fixed Assets	
Fixed assets	
18-6050 - Continuing Property Under \$5000	80,546.22
18-6000 - Machinery & equipment	172,653.70
18-6100 - Allow for depr - Mach & equip	-172,653.70
Total Fixed assets	80,546.22
Total Fixed Assets	80,546.22
TOTAL ASSETS	-2,169,666.87
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	

Other Current Liabilities	
L&L Site Services	238.00
Four Corners Recycling.	26,834.36
20-9100 - Compensated absences payable	74.73
Total Other Current Liabilities	27,147.09
Total Current Liabilities	27,147.09
Long Term Liabilities	
23-9000 - Compensated Absences - Non-Curr	522.19
Total Long Term Liabilities	522.19
Total Liabilities	27,669.28
Equity	
3900 - Total net assets	-1,957,107.22
Net Income	-240,228.93
Total Equity	-2,197,336.15
TOTAL LIABILITIES & EQUITY	-2,169,666.87



Household Hazardous Waste Collection

The Gallatin Solid Waste Management District holds a free Household Hazardous Waste (HHW) Event open to the general public on the second Saturday of each month at the Bozeman Convenience Site. This year we held 12 events. Businesses are charged by the types of materials they bring in for disposal. If the business has large quantities, they are referred to our HHW contractors, Beartooth Environmental or Veolia Environmental. We had a total of 696 customers attend the events, of that, 500 were household customers and 196 commercial businesses. We collected \$2,106 from the businesses for the service. The District had 311 more customers than last Fiscal Year. The grand total of 5,756 HHW items were shipped and disposed of this Fiscal Year.

For more information on the District's HHW program, the types of HHW materials and quantities we accept, visit our website at

www.gallatinsolidwaste.org

Click on Bozeman Convenience Site on Household Hazardous Waste link)

We paid Beartooth Environmental \$17,146.70 to properly dispose of the HHW collected at the events compared to \$23,150.61 the previous year. We paid \$2,506.89 in supplies for the program. The program does not include the District's labor, gas, and miscellaneous expenses for holding the events or for labor after the events to bulk and prepare the HHW items for shipment with the HHW contractors.

The District collects and recycles fluorescent bulbs and ballasts from the HHW program, as well as collecting them at the Logan Landfill. The Environmental Protection Agency (EPA) regulates fluorescent lamps and stipulates strict guidelines for their disposal. Because they contain Mercury, spent fluorescent lamps cannot be thrown in dumpsters as a solid waste. Mercury is linked to severe health issues. A single four-foot fluorescent tube contains from 5 to 50 milligrams of mercury. When conventional disposal methods are used, mercury vapors can travel over 200 miles.

The District purchased a bulb crusher in Fiscal Year 2013 to off-set costs associated with the program. We receive the bulbs, crush them, and send them out in bulk to be recycled. To dispose of the bulbs, the District pays by the pound, not by the bulb or by the foot for the fluorescents, which is more cost efficient. We pay by fifty-five gallon drums. We pay \$295.00 per drum, plus \$95 for a pallet charge, plus a fuel surcharge of .11 cents per mile. We collected 12,400 pounds of crushed bulbs for disposal. We collected eight-foot or longer bulbs at \$1.00 a piece totaling \$769 and under eight-foot bulbs at \$.50 cents totaling \$4,507. We collected through tipping fees and HHW events a total of \$5,276 this Fiscal Year. We collected 238 ballasts. We received \$269. We paid Terracycle Waste \$2,876.07 to transport the drums to their recycling center to properly dispose of the bulbs and ballasts. Total cost us \$2,607.07 after tipping fee revenue to dispose of the materials. This does not include the District's labor for collection and crushing of the bulb.

ENTERPRISE FUND

The Gallatin Solid Waste District operates as an enterprise fund. Under GASB 34, an enterprise fund must be used to report activities described as business-type activities; the activity is financed with debt that is to be repaid solely with the net revenues and charges of the activity, or; laws and regulations require that costs be recovered by revenues of the activity, or; the pricing policies of the activity are designed to fully recover all costs. No tax revenues are used for District operations or capital improvements. Revenues are generated by tipping fees, the sale of recycled commodities, and interest earnings.

Financial Summary Report

The District's total income for the year was \$5,488,522.65. Tipping fees from Logan \$4,862,202.66 and the Bozeman Convenience Site \$212,754.25 accounted for \$5,074,956.91 or over 92% of the income. Waste diversion revenue was \$225,870.58. The sale of metal and batteries from the Logan landfill totaled \$28,826.76. The sale of metal and batteries from the Bozeman Convenience Site totaled \$3,156.60 for a total of \$31,983.36, an increase of \$8,418.75 from Fiscal Year 2017. The Recycling program commodities collected generated \$69,950.22 in revenue. The grazing lease earned \$2,400. Interest earnings for the year totaled \$185,117.25. Interest earnings were

up \$61,124.95 from the previous year partially due to interest earned on a loan to the Law and Justice Center project (\$8,589.77). Interest earnings are increasing as cash in the bank increases. FY 2011 (\$122,930); FY 2012 (\$59,555.41); FY 2013 (\$60,246.89); FY 2014 (\$53,642.12); FY 2015(\$58,814.64); FY 2016 (\$81,231.60); FY 2017 (\$123,992.30) FY 2018 (\$185,117.25) The District continues to strive to maintain its annual Fiscal Year budget.



The Equipment Reserve fund is used to pay cash for future equipment replacement. The fund balance at the end of the year was \$2,679,576.60. Operational cash at the end of the year for the Logan Landfill was \$7,507,127.16 and a negative <\$749,818.35> for the Bozeman Convenience Site (since assuming operations on July 1, 2008), and the Waste Diversion program a negative <\$2,250,213.09> (since startup on April 1, 2008). Total cash operational combined totaled \$4,507,095.72. Fixed assets are \$7,198,979.61. The balance at the end of the year for the District's total assets was \$23,454,598.05, an increase of \$2,851,244.33 from the previous fiscal year. The required financial assurance funding for landfill closure and post closure costs had a balance of \$2,564,079.42 at the end of the Fiscal Year. Current liabilities were \$332,585.42. Total long-term liabilities at the end of the year totaled \$2,749,916.62. Total liabilities were \$3,082,502.04.

The District did not take on any new debt this Fiscal Year. Currently, the District makes a principal payment of \$62,500.00 twice a year to the State Board of Investments for the Logan Springs Ranch property purchased in 2010. The interest rate is 2.5%. At the end of the Fiscal Year, we owed \$312,500.00. The District/County is working to improve the property in anticipation of a land swap of the property in exchange for State land that we currently lease. This action is part of our plan for future expansion of the landfill.

Each year we pay rent to the Department of Natural Resource and Conservation (DNRC) for land leases used in the landfill operations: Rent for the 8-acre parcel (scalehouse and administration building) = \$7,292.77. Each year the rent goes up 3%. The 40 acre parcel the landfill uses to stockpile excavated dirt costs \$19,168.00.

We reserved \$1,200,000.00 this Fiscal Year for future expansion, including Phase 4 of the Master Plan, and for future equipment purchases.

The landfill incurs considerable insurance that is required for permitting to keep in compliance with new rules and changes in laws. We paid \$59,544.64 to MDEQ for our annual landfill permit. That was \$4,123.22 higher than the last Fiscal Year due to the increase in tonnage brought in for disposal. We paid \$16,361.34 (up \$417.75 from last Fiscal Year) for our pollution insurance. That is combined with Gallatin County's allocated liability insurance and property insurance cost to us of \$29,578.21, which was down \$8,822.15 from last Fiscal Year.

The Profit and Loss and Balance Sheets for July 1, 2017, through June 30, 2018, show the year's revenues, operating expenditures, assets, and liabilities. We continue to bring the services our customers want, at affordable prices. This year we saw waste volumes go up 16,553.95 tons (156,706.33 total tons). Evaluating the twelve months, the increase seems attributable to the economy steadily improving with the continuing increase of construction in Gallatin Valley. Table 18 shows a six year period. Fiscal Year 2012-2013 had a decrease in tonnage. Fiscal Years 2013-2014, 2014-2015, 2015-2016, 2016-2017, 2017-2018 (doubled) had increases in tonnage.

Table 18

	Actual Tonnages Received	Decreased Tonnage From Previous Year	Increased Tonnage From Previous Year
Fiscal Year 2012-2013	103,473.52	2,191.82	
Fiscal Year 2013-2014	108,212.55		4,739.03
Fiscal Year 2014-2015	128,179.00		19,966.45
Fiscal Year 2015-2016	132,084.37		3,905.37
Fiscal Year 2016-2017	140,152.38		8,068.01
Fiscal Year 2017-2018	156,706.33		16,553.95

The District leases the Bozeman Convenience Site from the City of Bozeman under an Interlocal Agreement that commenced on July 1, 2008. In June of 2013, the District renewed the agreement for another five years beginning July 1, 2013. It expired June 30, 2018. We are waiting for the City legal department to review the new agreement. Under the past agreement, the District pays the City of Bozeman for 80% of the compost being disposed of on-site to help maintain it with their equipment. The District receives 20% of the revenue. Out of the \$216,414.00 tipping fees received, the District paid the City of Bozeman \$18,372.40 this Fiscal Year for the compost disposed of at the Bozeman Convenience Site scale.

During the Budget process, the District has maintained a Long Range Strategic Plan for potential future capital projects based on anticipated growth rates and/or additional demands on County services. We review it each fiscal year. On the next page is this Fiscal Year's Plan 2018-2025.





Gallatin Solid Waste Management District

Long Range Strategic Plan

Tonnage	2017	2018	2019	2,020	2,021	2,022	2023	2024	2025
CAPITAL OUTLAY	140,152	156,706	160,000	165,000	170,000	175,000	180,000	185,000	190,000
Land (Logan springs)									
Buildings (shop, admin)									
Wash Bay									
Mechanical Room									
Improvements on land									
Leachate Pond									
Logan Springs/Land Swap	\$20,265	\$64,031	\$80,000						
Admin Area Landscaping									
Logan Scale Upgrade				\$365,000					
Public Tipping Area									
Corrective Measures	\$56,178	\$32,371	\$196,000						
Compost Area	\$4,397								
HHW Building									
Trees/Fences									
Fence/ Screens/ Concrete Blocks	\$16,150		\$25,000						
Cell 4 Construction	\$36,241	\$130,963	\$1,350,000						
Major Facility Expansion			\$300,000	\$210,000					
Class 4 Closure					\$754,400				
Phase/Cell 3 Closure						\$656,000			
Phase/Cell 4 Closure									\$1,371,600
Phase 1/Cell Construction							\$25,000	\$3,515,640	\$3,485,642
Equipment									
Haul Truck									\$400,000
Tailgate for 730C Haul Truck			\$13,000						
Trackhoe/Excavator									\$275,000
Landfill Compactor					\$650,000				
Compactor GPS		\$64,041							
1050K Dozer			\$525,913						
850K Dozer						\$500,000.00			
Front Loader - CAT 930H					\$300,000				
963 K Track Loader	\$329,463								
Roll-Off Truck		\$48,200							
Grader									
Water Truck	\$71,935								
Admin Vehicle					\$50,000				
Service Truck (used)									
1 Ton Pickup/ flatbed 2016 Dodge		\$40,254							
Hydroseeder (ADC)									
Other Assets									
Computers									
Copier	\$7,455								
BCS Camera System									
Closed Circuit TV System	\$5,350								
Tower for Communications		\$6,664	\$85,000						
Public Tipping Area Roll-off Box			\$12,000						
Mower Attachment Ag Tractor		\$5,900							
Sand/ Salt Spreader 3 yd		\$5,500							
Snow Plow Blade		\$8,000							
Bzn Site Skid Steer									
Fence Post Pounder			\$8,000						
TOTAL EQUIP/OTHER	\$414,203	\$178,669	\$643,913	\$0	\$1,000,000	\$500,000	\$0	\$0	\$675,000



Gallatin Solid Waste Management District

Profit & Loss

July 1, 2017 June 30, 2018

Ordinary Income/Expense	Jul '17 - Jun 18
Income	
Miscellaneous Revenue	177.91
Charges for Services-Logan	
3430-42 · Disposal Charge	4,862,202.66
3430-45 · Sale of Junk or Salvage	714.00
Total Charges for Services-Logan	4,862,916.66
Grazing Lease	2,400.00
Charges for Services-Bozeman	
Disposal Charge	212,754.25
Sale of Junk or Salvage	3,156.60
Total Charges for Services-Bozeman	215,910.85
Waste Diversion Revenue	
Bulbs & Ballasts Tipping Fees	6,272.00
White Goods Tipping Fees	25,549.00
Compost Program Tipping Fees	53,712.00
Clean Wood Tipping Fees	39,163.00
Metal Salvage	21,686.76
E-Waste Tipping Fees	3,272.00
HHW	2,395.00
Total Waste Diversion Revenue	152,049.76
Recycling Revenue	
Sale of Paper	12,855.00
Sale of Plastic	1,934.44
Sale of Aluminum	19,751.59
Sale of Steel	5,177.31
Sale of Cardboard	30,231.88
Total Recycling Revenue	69,950.22
3710-10 · Interest Earnings	185,117.25
Total Income	5,488,522.65

Cost of Goods Sold	
80% Compost Due to City	19,380.80
Transport from Bzn Conv Site	
Rolloff Containers	134,745.00
Stationary Compactor Containers	5,460.00
Total Transport from Bzn Conv Site	140,205.00
Recycle Hauling Costs	242,942.45
359 - Recycle Plastic Processing	35,279.30
Total COGS	437,807.55
Gross Profit	5,050,715.10
Expense	
Tax Assessments	Jul '17 - Jun 18
Ordinary Income/Expense	
Income	
Miscellaneous Revenue	2,431,726.38
Charges for Services-Logan	2,779,167.03
3430-42 · Disposal Charge	3,126,607.68
3430-45 · Sale of Junk or Salvage	3,474,048.33
Total Charges for Services-Logan	9,379,823.03
Grazing Lease	108,333.73
	Jul '17 - Jun 18
Ordinary Income/Expense	
Income	
Miscellaneous Revenue	2,431,726.38
Charges for Services-Logan	2,779,167.03
3430-42 · Disposal Charge	3,126,607.68
3430-45 · Sale of Junk or Salvage	3,474,048.33
Total Charges for Services-Logan	9,379,823.03
Grazing Lease	108,333.73
Charges for Services-Bozeman	123,575.20
Disposal Charge	138,816.68
Sale of Junk or Salvage	154,058.15
Total Charges for Services-Bozeman	416,450.03
Waste Diversion Revenue	
Bulbs & Ballasts Tipping Fees	9,119.93
White Goods Tipping Fees	5,969.57
Compost Program Tipping Fees	2,819.20
Clean Wood Tipping Fees	-331.17
Metal Salvage	-3,481.53
E-Waste Tipping Fees	-6,631.90
HHW	-9,782.26
Total Waste Diversion Revenue	-2,318.16
Recycling Revenue	
Sale of Paper	25,389.03
Sale of Plastic	29,188.70

Sale of Aluminum	32,988.36
Sale of Steel	36,788.02
Sale of Cardboard	40,587.69
Total Recycling Revenue	164,941.80
3710-10 · Interest Earnings	185,117.25
Total Income	12,684,074.04
Cost of Goods Sold	
80% Compost due to City	63,142.10
Total Advertising	12,747,216.14
Purchased Services	
330 · Purchased Services	424.00
335 · Membership Dues	1,013.00
Total Purchased Services	1,437.00
Utilities	
341 · Electric Utilities	18,079.83
344 · Propane	6,523.56
345 · Telephone	23,818.91
346 · Cell phones	3,859.56
Total Utilities	52,281.86
Outside Services	
350 · Professional Services	164,209.41
351 · Medical services, Vet Services	1,064.00
Total Outside Services	165,273.41
Travel	
370 · Travel	2,264.44
Total Travel	2,264.44
Training	
380 · Training	3,455.83
Total Training	3,455.83
Insurance	
510 · Property Insurance	16,361.94
513 · Liability Insurance Allocated	29,578.21
Total Insurance	45,940.15
Licenses	
570 · License Fees	61,685.41
Total Licenses	61,685.41
Rent	
530 · Rent	30,216.42
Total Rent	30,216.42
Administrative Fixed Costs	
590 · Administrative Costs	62,914.20
Total Administrative Fixed Costs	62,914.20
Closure/Post Closure	
580 · Closure/Post Closure Costs	186,480.52
Total Closure/Post Closure	186,480.52
Loan Interest Payments	
620 · Loan Interest	10,149.83

Total Loan Interest Payments	10,149.83
Depreciation	
830 - Depreciation	147,375.02
Total Depreciation	147,375.02
Total Expense	26,374,936.27
Net Ordinary Income	-21,324,221.17
Other Income/Expense	
Other Expense	
Loan Payments	
610 - Principal	125,000.00
615 - Principal Contra	-125,000.00
Total Loan payments	0.00
Reserve Funds	
905 - Equipment/Next Cell Reserves	1,620,000.00
955 - EQUIP/NEXT CELL RESERVE CONTRA	-1,620,000.00
Total Reserve funds	0.00
Capital Improvements	
930 - Improv Other Than Buildings	137,135.09
935 - Improvements Contra	-137,135.09
940 - Capital Exp- Machinery & Equip	115,469.75
945 - Machinery & Equip Contra	-115,469.75
Total Capital Improvements	0.00
Total Other Expense	0.00
Net Other Income	0.00
Net Income	-21,324,221.17





Gallatin Solid Waste Management District Balance Sheet as of June 30, 2018

	Jun 30, 18
ASSETS	
Current Assets	
Checking/Savings	
Cash Operational Combined	
10-1000 · Cash Operational	7,507,127.16
10-1005 · Cash Operational-Bzn Conv Site	-749,818.35
10-1010 · Cash Operational - Waste Divers	-2,250,213.09
Total Cash Operational Combined	4,507,095.72
10-2000 · Restricted Cash - Closure Costs	2,564,079.42
10-2110 · Cash - Fixed Asset Purchases	2,679,576.60
10-2130 · Cash Res for Security Deposit	96,000.00
10-2210 · Loan Payment Reserve	62,500.00
10-2220 · Loan Reserve (Future Year Pmt)	125,000.00
10-2230 · Reserve For Future Expansion	5,650,000.00
Total Checking/Savings	15,684,251.74
Accounts Receivable	
Accounts Receivable	
12-2000 · Logan Landfill	569,878.70
12-2005 · Bozeman Convenience Site	1,488.00
Total Accounts Receivable	571,366.70
Total Accounts Receivable	571,366.70
Total Current Assets	16,255,618.44
Fixed Assets	
13-3000 · Loan Receivable - Law & Justice	600,000.00
Fixed Assets	
18-6050 · Continuing Property Under \$5000	201,442.86
18-1000 · Land	1,650,785.00
18-2000 · Buildings	1,841,391.24
18-2100 · Allow for Depr- Buildings	-386,146.70

18-3000 - Intangibles	6,965.00
18-3100 - Amortization	-6,965.00
18-4000 - Improv Other Than Buildings	3,115,589.55
18-4100 - Allow for Depr- Imp Other than	-2,665,374.39
18-6000 - Machinery & Equipment	4,024,319.29
18-6100 - Allow for Depr - Mach & Equip	-1,722,822.49
18-8010 - CIP - Cell 4 Expansion	141,163.84
18-8020 - CIP - Logan Springs	194,115.45
18-8025 - CIP - Soil Vapor Extraction	141,730.45
18-8030 - CIP - Spring Rehab	13,271.78
18-8035 - CIP - License Expansion	6,991.50
18-8040 - CIP - Communications Tower	7,089.00
18-8500 - Class 4 Waste Area	35,433.23
Total Fixed Assets	6,598,979.61
Total Fixed Assets	7,198,979.61
TOTAL ASSETS	23,454,598.05
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Other Current Liabilities	
L&L Site Services	23,053.00
City of Bozeman	9,938.40
Four Corners Recycling.	26,834.36
20-6120 - Wages Payable	21,134.90
20-6130 - Payroll Liabilites	19,640.37
20-6135 - W.C. Payroll Liability Payable	2,808.38
20-9100 - Compensated Absences Payable	8,176.01
21-4000 - Security Deposits Payable	96,000.00
Current Portion-Long Term Debt	125,000.00
Total Other Current Liabilities	332,585.42
Total Current Liabilities	332,585.42
Long Term Liabilities	
23-5406 - Land Loan - Board of Investment	312,500.00
Current Portion	-125,000.00
23-6000 - Closure Cost Liability	2,417,021.60
23-9000 - Compensated Absences - Non-Curr	73,897.46
23-9500 - GASB 45 OPEB Net Obligation	71,497.56
Total Long Term Liabilities	2,749,916.62
Total Liabilities	3,082,502.04
Equity	
3000 - Net Assets	1,046,820.07
3900 - Total Net Assets	16,555,753.31
Net Income	2,769,522.63
Total Equity	20,372,096.01
TOTAL LIABILITIES & EQUITY	23,454,598.05



GALLATIN
SOLID WASTE
MANAGEMENT DISTRICT



*Thank you Gallatin Solid Waste
Management Board of Directors for all
your hard work and dedication to Gallatin
County and the District.*