

ROANOKE VALLEY RESOURCE AUTHORITY

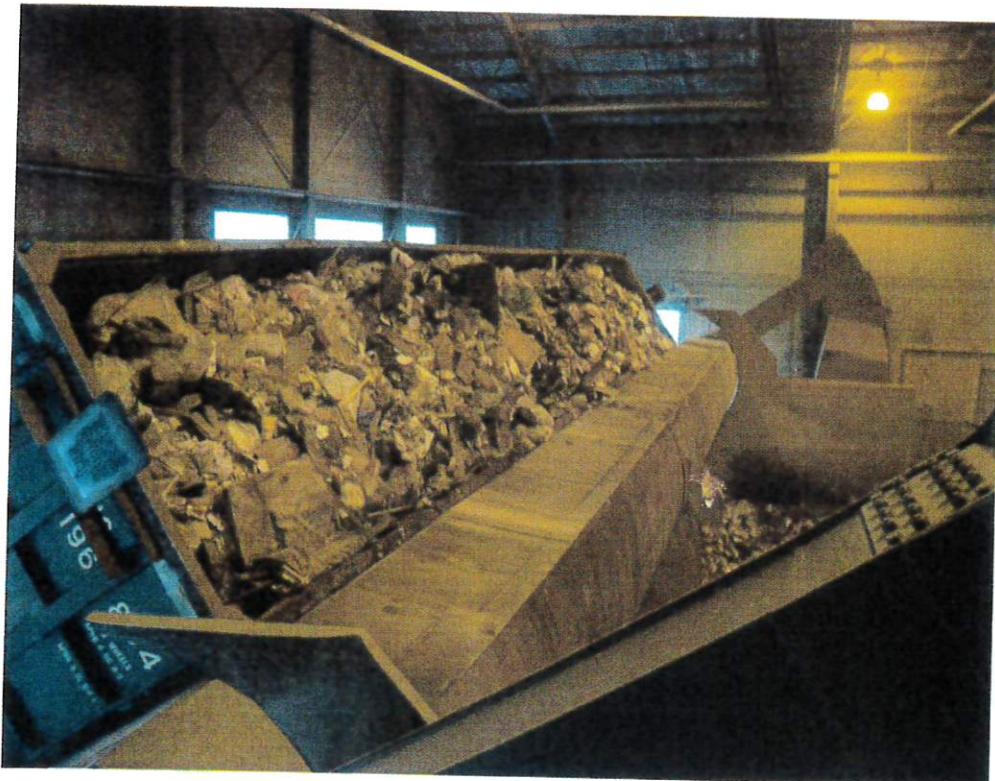
2021-22
RESERVES
BUDGET



CONNECTOR ROAD

ROANOKE VALLEY RESOURCE AUTHORITY

2021-22
BUDGET



SMITH GAP ROTARY TIPPER

TABLE OF CONTENTS

Budget Summary	1 & 2
Revenues	3-5
Expenses	
* Personnel	6-13
Administrative	7
Roanoke Transfer Station	8
Salem Transfer Station	9
Smith Gap	10
Totals	11
Classification	12
Employee by Location	13
* Operating	14-25
* Capital	26
* Reserves	27-28
Tipping Fees Breakdown	29
Appendix	

REVENUE

2021-2022

Disposal Fees	\$ 14,681,825
Interest Income	\$ 50,000
Transfer from Contingency Reserve Fund	\$ -
Sale of Recyclable Material	\$ 68,000
Mulch Sales	\$ 50,000
Miscellaneous Revenue	\$ 24,900
	Total \$ 14,874,725

EXPENSES

Personnel

Administrative	\$ 824,925
Tinker Creek Transfer Station	\$ 772,842
Salem Transfer Station	\$ 663,420
Smith Gap	\$ 1,071,009
Totals	\$ 3,332,196

Operating	
Administrative	\$ 1,066,705
Tinker Creek Transfer Station	\$ 2,069,293
Salem Transfer Station	\$ 1,349,603
Smith Gap	\$ 2,150,217
Totals	\$ 6,635,818

CAPITAL

Totals	\$ -
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RESERVES

Administrative	\$ -
Tinker Creek Transfer Station	\$ 321,423
Salem Transfer Station	\$ 276,210
Smith Gap	\$ 2,525,092
Totals	\$ 3,122,725

DEBT SERVICE

Principal
Interest

Totals	\$ 1,783,986	\$ 1,783,986
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TOTALS

Administrative	\$ 1,891,631
Tinker Creek Transfer Station	\$ 3,163,559
Salem Transfer Station	\$ 2,289,232
Smith Gap	\$ 5,746,317
Debt Service	\$ 1,783,986

Total \$ 14,874,725

	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022
REVENUE						
Disposal Fees	\$ 8,172,350	\$12,868,350	\$12,583,250	\$12,656,250	\$ 12,147,125	\$14,681,825
Interest Income	\$ 50,000	\$ 100,000	\$ 100,000	\$ 140,000	\$ 150,000	\$ 50,000
Transfer from Contingency Reserve Fund	\$ 50,509	\$ -	\$ 21,161	\$ 897,436	\$ 147,572	\$ -
Sale of Recyclable Material	\$ 33,933	\$ 37,000	\$ 45,000	\$ 52,000	\$ 60,000	\$ 68,000
Mulch sales	\$ 31,500	\$ 40,000	\$ 42,000	\$ 42,000	\$ 45,000	\$ 50,000
Miscellaneous	\$ -	\$ -	\$ -	\$ 46,000	\$ 47,900	\$ 24,900
TOTAL	\$ 8,338,292	\$13,045,350	\$12,791,411	\$13,833,686	\$ 12,597,597	\$14,874,725
EXPENSES						
Personnel	\$ 2,152,723	\$ 2,863,727	\$ 3,054,035	\$ 3,255,069	\$ 3,295,455	\$ 3,332,196
Operating	\$ 4,055,569	\$ 6,409,438	\$ 6,700,794	\$ 8,606,178	\$ 8,014,111	\$ 6,635,818
Capital	\$ 30,000	\$ -	\$ -	\$ 85,000	\$ -	\$ -
Transfer to Reserves	\$ 2,100,000	\$ 2,360,000	\$ 1,760,000	\$ 610,000	\$ 10,000	\$ 3,122,725
Debt Service	\$ -	\$ 1,412,185	\$ 1,276,582	\$ 1,277,439	\$ 1,278,031	\$ 1,783,986
TOTAL	\$ 8,338,292	\$13,045,350	\$12,791,411	\$13,833,686	\$ 12,597,597	\$14,874,725
DISPOSAL FEES						
Municipal \$ per ton	49.50	49.50	51.50	53.50	53.50	53.50
Private \$ per ton	59.50	59.50	61.50	61.50	62.75	62.75
% INCREASE in expenses	-2.2%	56.5%	-1.9%	8.1%	-8.9%	18.1%

CODE	DESCRIPTION	FY20-21	FY21-22	JUSTIFICATION
9202	Total Tipping Fees	\$12,147,125	\$14,681,825	<p>Based on tonnage receipts of : 301,500</p> <p>Municipal 97,200 tons \$ 5,462,450</p> <p>Commercial 53,900 tons \$ 3,423,825</p> <p>Private 33,000 tons \$ 2,248,650</p> <p>Residential 12,400 tons \$ 696,900</p> <p>Contracted MSW 105,000 tons \$ 2,850,000</p> <p>Total \$ 14,681,825</p>
15100	Interest Income	\$ 150,000	\$ 50,000	Operating & Other Reserve \$ 50,000
40956	Transfer from Contingency Reserve Fund	\$ 147,572	\$ -	Funds available from Contingency Reserve
16916	Sale of Recyclable Material	\$ 60,000	\$ 68,000	Sale of Recyclable Scrap Metal & Miscellaneous
18120	Mulch Sales	\$ 45,000	\$ 50,000	Mulch Sales
18100	Miscellaneous Revenue	\$ 47,900	\$ 24,900	<p>MVP Annual Easement Fee \$ 24,900</p> <p>NS Annual Permit Use Fee \$ -</p> <p>Total \$ 24,900</p>
	TOTAL REVENUE	\$12,597,597	\$14,874,725	

TIPPING FEES

CODE	DESCRIPTION	FY20-21	FY21-22	JUSTIFICATION		
16906	City of Roanoke	\$ 2,192,350	\$ 2,304,300	Municipal Waste 41,000 tons @ 53.5 \$ 2,193,500 Wood Waste 2,900 tons @ 35 \$ 101,500 Tires 60 tons @ 155 \$ 9,300 - mixed @ 5 \$ - City of Roanoke Total \$ 2,304,300		
16907	County of Roanoke	\$ 2,048,850	\$ 2,125,900	Municipal Waste 37,000 tons @ 53.5 \$ 1,979,500 Wood Waste 4,000 tons @ 35 \$ 140,000 Tires 40 tons @ 155 \$ 6,200 40 mixed @ 5 \$ 200 County of Roanoke Total \$ 2,125,900		
16908	Town of Vinton	\$ 176,875	\$ 176,100	Municipal Waste 3,200 tons @ 53.5 \$ 171,200 Wood Waste 140 tons @ 35 \$ 4,900 Tires - tons @ 155 \$ - - mixed @ 5 \$ - Town of Vinton Total \$ 176,100		
16911	City Of Salem	\$ 856,200	\$ 856,150	Municipal Waste 16,000 tons @ 53.5 \$ 856,000 Wood Waste - tons @ 35 \$ - Tires - tons @ 155 \$ - 30 mixed @ 5 \$ 150 City of Salem Total \$ 856,150		

TIPPING FEES

CODE	DESCRIPTION	FY20-21	FY21-22	JUSTIFICATION
16914	Commercial	\$ 3,785,950	\$ 3,423,825	Commercial Waste 53,900 tons @ 62.75 \$ 3,382,225 Wood Waste 1,000 tons @ 35 \$ 35,000 Tires 20 tons @ 155 \$ 3,100 700 mixed @ 5 \$ 3,500 Commercial Total \$ 3,423,825
16920	Contracted Municipal Commercial Solid Waste per Contracts	\$ 114,000	\$ 2,850,000	Contracted MSW CW 100,000 tons @ 26.5 \$ 2,650,000 REP 0 tons @ 32.0 \$ - RDS 5,000 tons @ 40.0 \$ 200,000 Contracted MSW \$ 2,850,000
16915	Private	\$ 2,291,900	\$ 2,248,650	Private Waste 33,000 tons @ 62.75 \$ 2,070,750 Wood Waste 2,400 tons @ 35 \$ 84,000 Tires 580 tons @ 155 \$ 89,900 800 mixed @ 5 \$ 4,000 Private Total \$ 2,248,650
16917	Residential	\$ 681,000	\$ 696,900	Residential Waste Based on Uniform Disposal Allocation City of Roanoke 43.5% \$ 303,152 County of Roanoke 41.7% \$ 290,607 Town of Vinton 3.6% \$ 25,088 City of Salem 11.2% \$ 78,122 Household 12,400 Tons @ \$53.5 \$ 663,400 Wood waste 800 Tons @ \$35 \$ 28,000 Tires 1,100 Tires @ \$5 \$ 5,500 Residential Total \$ 696,900
	TOTAL TIPPING FEES	\$12,147,125	\$14,681,825	

CODE	DESCRIPTION	FY20-21	FY21-22	JUSTIFICATION		
101010	Salaries	\$ 2,096,648	\$ 2,148,551	Salaries for	40	employees
101015	Overtime	\$ 91,000	\$ 91,000	Extra work required on Saturdays, Weekdays & Holidays		
101020	Part - time	\$ 50,000	\$ 50,000	Operations, Buildings, and Grounds Maintenance		
101116	Supplements	\$ -	\$ -	Outstanding performance recognition		
202100	F.I.C.A.	\$ 171,180	\$ 175,151	7.65 % of salaries, overtime, part time		
202200	Retirement - VRS	\$ 301,498	\$ 308,962	14.38 % of salaries	40 employees	\$ 2,148,551
202840	Deferred Comp. Match	\$ 27,300	\$ 26,000	\$25 per pay period	40 employees	
202203	Retirement - VRS- Plan 2	\$ -	\$ -	14.38 % of salaries	0 employees	\$ -
202205	Retirement - VRS- Hybrid	\$ -	\$ -	14.38 % of salaries	0 employees	\$ -
202300	Hospitalization	\$ 291,069	\$ 307,515	40 participating employees single 31 em&sp 2 family 3 Em & Ch 4 HRA One not participating	0.0%	Annual \$ 199,234 \$ 19,548 \$ 36,176 \$ 31,557 \$ 21,000
202310	Dental	\$ 17,640	\$ 16,800	40 participating employees @ \$35 per month		
202400	Life Insurance - VRS	\$ 28,095	\$ 28,791	1.34 % of salaries	40 employees	\$ 2,148,551
202500	Long Term Disability Ins.	\$ 6,185	\$ 6,338	0.59% salaries	RVRA pays 50%	\$ 6,338
202510	Short Term Disability Ins.	\$ 2,000	\$ 2,000	RVRA pays 100%		
202700	Workers' Comp. Ins.	\$ 91,500	\$ 49,243	Workers' Comp. Insurance	40 employees	
202750	Retirement Health Insurance Credit	\$ 6,290	\$ 6,446	0.30 % of salaries	40 employees	\$ 2,148,551
202800	Termination Pay	\$ 65,000	\$ 65,000	Annual and sick leave payments		
202810	Cash-in FLP	\$ 47,050	\$ 47,401	Flexible Leave pay out		
202830	Employee Benefits	\$ 3,000	\$ 3,000	Retiree Health Insurance		
	TOTAL PERSONNEL	\$ 3,295,455	\$ 3,332,196			

CODE	DESCRIPTION	FY20-21	FY21-22	JUSTIFICATION		
101010	Salaries	\$ 534,691	\$ 555,987	Salaries for 5 employees		
101015	Overtime	\$ -	\$ -	Extra work required on Saturdays & Holidays		
101020	Part - time	\$ -	\$ -	Operations, Buildings, and Grounds Maintenance		
101116	Supplements	\$ -	\$ -	Outstanding performance recognition		
202100	F.I.C.A.	\$ 40,904	\$ 42,533	7.65 % of salaries, overtime, part time		
202200	Retirement - VRS	\$ 76,889	\$ 79,951	14.38 % of salaries	5 employees	\$ 555,987
202840	Deferred Comp. Match	\$ 3,250	\$ 3,250	\$25 per pay period		
202203	Retirement - VRS- Plan 2	\$ -	\$ -	14.38 % of salaries	0 employees	\$ -
202205	Retirement - VRS- Hybrid	\$ -	\$ -	14.38 % of salaries	1 employees	\$ -
202300	Hospitalization	\$ 39,336	\$ 42,837	5 participating employees single 3 em&sp 0 family 1 Em & Ch 1	0.0% \$ 19,172 \$ - \$ 12,275 \$ 7,889	Annual \$ 3,500
202310	Dental	\$ 2,100	\$ 2,100	5 participating employees @	\$35 per month	
202400	Life Insurance - VRS	\$ 7,165	\$ 7,450	1.34 % of salaries	5 employees	\$ 555,987
202500	Long Term Disability Ins.	\$ 1,577	\$ 1,640	0.59% salaries	RVRA pays 50%	\$1,640
202510	Short Term Disability Ins.	\$ 238	\$ 250	RVRA pays 100%		
202700	Workers' Comp. Ins.	\$ 600	\$ 500	Workers' Comp. Insurance		
202750	Retirement Health Insurance Credit	\$ 1,604	\$ 1,668	0.30 % of salaries	5 employees	\$ 555,987
202800	Termination Pay	\$ 65,000	\$ 65,000	Annual and sick leave payments		
202810	Cash-in FLP	\$ 20,978	\$ 21,384	Flexible Leave pay out		
202830	Employee Benefits	\$ 357	\$ 375	Retiree Health Insurance		
	TOTAL PERSONNEL	\$ 794,689	\$ 824,925			

CODE	DESCRIPTION	FY20-21	FY21-22	JUSTIFICATION		
101010	Salaries	\$ 596,101	\$ 454,706	Salaries for 12 employees		
101015	Overtime	\$ 44,000	\$ 44,000	Extra work required on Saturdays, Evenings & Holidays		
101020	Part - time	\$ 35,000	\$ 35,000	Operations, Buildings, and Grounds Maintenance		
101116	Supplements	\$ -	\$ -	Outstanding performance recognition		
202100	F.I.C.A.	\$ 51,645	\$ 40,829	7.65 % of salaries, overtime, part time		
202200	Retirement - VRS	\$ 85,719	\$ 65,387	14.38 % of salaries	12 employees	\$ 454,706
202840	Deferred Comp. Match	\$ 9,100	\$ 7,800	\$25 per pay period	12 employees	
202203	Retirement - VRS- Plan 2	\$ -	\$ -	14.38 % of salaries	0 employees	\$ -
202205	Retirement - VRS- Hybrid	\$ -	\$ -	14.38 % of salaries	0 employees	\$ -
202300	Hospitalization	\$ 86,246	\$ 84,687	12 participating employees	0.0% Annual \$ single 11 \$ 70,298 em&sp 0 \$ - family 0 \$ - Em & Ch 1 \$ 7,889 HRA \$ 6,500 One not participating	
202310	Dental	\$ 5,880	\$ 5,040	12 participating employees @	\$35 per month	
202400	Life Insurance - VRS	\$ 7,988	\$ 6,093	1.34 % of salaries	12 employees	\$ 454,706
202500	Long Term Disability Ins.	\$ 1,758	\$ 1,341	0.59% salaries	RVRA pays 50%	\$1,341
202510	Short Term Disability Ins.	\$ 667	\$ 600		RVRA pays 100%	
202700	Workers' Comp. Ins.	\$ 27,500	\$ 13,983	Workers' Comp. Insurance	12 employees	
202750	Retirement Health Insurance Credit	\$ 1,788	\$ 1,364	0.30 % of salaries	12 employees	\$ 454,706
202800	Termination Pay	\$ -	\$ -	Annual and sick leave payments		
202810	Cash-in FLP	\$ 10,333	\$ 11,112	Flexible Leave pay out		
202830	Employee Benefits	\$ 1,000	\$ 900	Retiree Health Insurance		
	TOTAL PERSONNEL	\$ 964,725	\$ 772,842			

CODE	DESCRIPTION	FY20-21	FY21-22	JUSTIFICATION		
101010	Salaries	\$ 302,077	\$ 443,992	Salaries for 7 employees		
101015	Overtime	\$ 22,000	\$ 22,000	Extra work required on Saturdays & Holidays		
101020	Part - time	\$ 5,000	\$ 5,000	Operations, Buildings, and Grounds Maintenance		
101116	Supplements	\$ -	\$ -	Outstanding performance recognition		
202100	F.I.C.A.	\$ 25,174	\$ 36,031	7.65 % of salaries, overtime, part time		
202200	Retirement - VRS	\$ 43,439	\$ 63,846	14.38 % of salaries	7 employees	\$ 443,992
202840	Deferred Comp. Match	\$ 4,550	\$ 4,550	\$25 per pay period	7 employees	
202203	Retirement - VRS- Plan 2	\$ -	\$ -	14.38 % of salaries	employees	\$ -
202205	Retirement - VRS- Hybrid	\$ -	\$ -	14.38 % of salaries	employees	\$ -
202300	Hospitalization	\$ 54,002	\$ 58,503	7 participating employees single 5 em&sp 1 family 1 Em & Ch 0 HRA	0.0% \$ 31,954 \$ 9,774 \$ 12,275 \$ - \$ 4,500	Annual \$
202310	Dental	\$ 2,940	\$ 2,940	7 participating employees @	\$35 per month	
202400	Life Insurance - VRS	\$ 4,048	\$ 5,949	1.34 % of salaries	7 employees	\$ 443,992
202500	Long Term Disability Ins.	\$ 891	\$ 1,310	0.59% salaries	RVRA pays 50%	\$ 1,310
202510	Short Term Disability Ins.	\$ 333	\$ 350		RVRA pays 100%	
202700	Workers' Comp. Ins.	\$ 17,955	\$ 11,106	Workers' Comp. Insurance	7 employees	
202750	Retirement Health Insurance Credit	\$ 906	\$ 1,332	0.30 % of salaries	7 employees	\$ 443,992
202800	Termination Pay	\$ -	\$ -	Annual and sick leave payments		
202810	Cash-in FLP	\$ 5,767	\$ 5,985	Flexible Leave pay out		
202830	Employee Benefits	\$ 500	\$ 525	Retiree Health Insurance		
	TOTAL PERSONNEL	\$ 489,582	\$ 663,420			

CODE	DESCRIPTION	FY20-21	FY21-22	JUSTIFICATION				
101010	Salaries	\$ 663,779	\$ 693,866	Salaries for 16 employees				
101015	Overtime	\$ 25,000	\$ 25,000	Extra work required on Saturdays & Holidays				
101020	Part - time	\$ 10,000	\$ 10,000	Operations, Buildings, and Grounds Maintenance				
101116	Supplements	\$ -	\$ -	Outstanding performance recognition				
202100	F.I.C.A.	\$ 53,457	\$ 55,758	7.65 %	of salaries, overtime, part time			
202200	Retirement - VRS	\$ 95,451	\$ 99,778	14.38 %	of salaries 16 employees			
202840	Deferred Comp. Match	\$ 10,400	\$ 10,400	\$25 per pay period	16 employees			
202203	Retirement - VRS- Plan 2	\$ -	\$ -	14.38 %	of salaries 0 employees			
202205	Retirement - VRS- Hybrid	\$ -	\$ -	14.38 %	of salaries 0 employees			
202300	Hospitalization	\$ 111,484	\$ 121,488	15 participating employees	0.0%	Annual \$		
				single 11		\$ 77,810		
				em&sp 1		\$ 9,774		
				family 1		\$ 11,625		
				Em & Ch 2		\$ 15,779		
				HRA		\$ 6,500		
				1 Not participating				
202310	Dental	\$ 6,720	\$ 6,720	16 participating employees @	\$35	per month		
202400	Life Insurance - VRS	\$ 8,895	\$ 9,298	1.34 %	of salaries 16 employees			
202500	Long Term Disability Ins.	\$ 1,958	\$ 2,047	0.59% salaries	RVRA pays 50% \$2,047			
202510	Short Term Disability Ins.	\$ 762	\$ 800		RVRA pays 100%			
202700	Workers' Comp. Ins.	\$ 45,445	\$ 23,652	Workers' Comp. Insurance	16 employees			
202750	Retirement Health Insurance Credit	\$ 1,991	\$ 2,082	0.30 %	of salaries 16 employees			
202800	Termination Pay	\$ -	\$ -	Annual and sick leave payments				
202810	Cash-in FLP	\$ 9,972	\$ 8,919	Flexible Leave pay out				
202830	Employee Benefits	\$ 1,143	\$ 1,200	Retiree Health Insurance				
	TOTAL PERSONNEL	\$1,046,457	\$ 1,071,009					

CODE	DESCRIPTION	FY21-22	AD	TCTS	STS	SG
101010	Salaries	\$ 2,148,551	\$ 555,987	\$ 454,706	\$ 443,992	\$ 693,866
101015	Overtime	\$ 91,000	\$ -	\$ 44,000	\$ 22,000	\$ 25,000
101020	Part - time	\$ 50,000	\$ -	\$ 35,000	\$ 5,000	\$ 10,000
101116	Supplements	\$ -	\$ -	\$ -	\$ -	\$ -
202100	F.I.C.A.	\$ 175,151	\$ 42,533	\$ 40,829	\$ 36,031	\$ 55,758
202200	Retirement - VRS	\$ 308,962	\$ 79,951	\$ 65,387	\$ 63,846	\$ 99,778
202840	Deferred Comp. Match	\$ 26,000	\$ 3,250	\$ 7,800	\$ 4,550	\$ 10,400
202203	Retirement - VRS Plan 2	\$ -	\$ -	\$ -	\$ -	\$ -
202205	Retirement - VRS Hybrid	\$ -	\$ -	\$ -	\$ -	\$ -
202300	Hospitalization	\$ 307,515	\$ 42,837	\$ 84,687	\$ 58,503	\$ 121,488
202310	Dental	\$ 16,800	\$ 2,100	\$ 5,040	\$ 2,940	\$ 6,720
202400	Life Insurance - VRS	\$ 28,791	\$ 7,450	\$ 6,093	\$ 5,949	\$ 9,298
202500	Long Term Disability Ins.	\$ 6,338	\$ 1,640	\$ 1,341	\$ 1,310	\$ 2,047
202510	Short Term Disability Ins.	\$ 2,000	\$ 250	\$ 600	\$ 350	\$ 800
202700	Workers' Comp. Ins.	\$ 49,243	\$ 500	\$ 13,983	\$ 11,106	\$ 23,652
202750	Retirement Health Insurance Credit	\$ 6,446	\$ 1,668	\$ 1,364	\$ 1,332	\$ 2,082
202800	Termination Pay	\$ 65,000	\$ 65,000	\$ -	\$ -	\$ -
202810	Cash-in FLP	\$ 47,401	\$ 21,384	\$ 11,112	\$ 5,985	\$ 8,919
202830	Employee Benefits	\$ 3,000	\$ 375	\$ 900	\$ 525	\$ 1,200
	TOTAL PERSONNEL	\$ 3,332,196	\$ 824,925	\$ 772,842	\$ 663,420	\$ 1,071,009

PERSONNEL

EMPLOYEE BY LOCATION

POSITION	#	GRADE	ADMIN.	TINKER	SALEM	LANDFILL
CEO	1	U	1	0	0	0
Director of Operations	1	37	1	0	0	0
Director of Operation Technical Division	0	36	0	0	0	0
Director of Operations Field Services Division	0	36	0	0	0	0
Environmental & Safety Manager	1	34	1	0	0	0
Business Manager	1	30	1	0	0	0
Operations Manager	2	27	0	1	0	1
Senior Equipment Mechanic	0	27	0	0	0	0
Administrative Coordinator	1	25	1	0	0	0
Operations Supervisor	3	23	0	1	1	1
Business Supervisor	1	23	0	1	0	0
Senior Equipment Operator	2	22	0	1	1	0
Building Maintenance Mechanic	1	21	0	1	0	0
Motor Equipment Mechanic	0	21	0	0	0	0
Motor Equipment Operator II	18	19	0	4	4	10
Motor Equipment Operator I	5	17	0	1	0	4
Administrative Secretary	0	17	0	0	0	0
Scale Operator	3	16	0	2	1	0
Laborer/Operator	0	13	0	0	0	0
TOTAL EMPLOYEES	40		5	12	7	16

CODE	DESCRIPTION	FY20-21	FY21-22	JUSTIFICATION
300004	Medical Exams	\$ 2,000	\$ 2,000	Physical exams for new employees; drug and alcohol random testing, more testing
300007	Contract Services	\$ 1,116,625	\$ 601,452	Employee Assistance Program: \$17.00 @ x 40 employees \$ 680 Clean Valley Council-Annual \$ 61,000 Landscaping- \$425/month \$ 5,100 Tire Disposal - 800 Tons @ \$148.00 + Fuel Surcharge \$ 118,400 Copier Rental \$767/month \$ 9,204 HHW Disposal \$ 65,000 Janitorial Services \$ 45,000 Exterminating Services \$ 2,700 Cap Maintenance - mowing \$ 25,000 Leachate Disposal (RR) \$ 30,000 Trucking Tires \$ 29,000 Salem Bond Debt \$ 210,368 Rail Spur Inspections & Mainten. \$ _____ NRRA Landfill Fee (1,025 tons) \$ _____
300100	Groundwater Sampling and Analysis -SG & RR	\$ 147,032	\$ 147,032	Residential Drinking Water Sampling 24 @ \$668 \$ 16,032 Detection Monitoring-Lab \$ 3,000 ACM Monitoring - Lab \$ 40,000 Engineering \$ 88,000
300102	Stormwater Sampling & Analysis-SG & TCTS	\$ 73,500	\$ 73,500	*Permit Sampling Engineering (PCB added) \$ 63,000 Laboratory \$ 10,500
300103	Landfill Gas Monitoring - SG & RR	\$ 117,400	\$ 117,400	SG - Monthly & Quarterly \$ 49,200 SG Reporting \$ 35,200 RR- Monthly @ \$2,000 \$ 22,000 RR Reporting \$ 11,000
300013	Professional Services	\$ 37,650	\$ 53,500	Engineering \$ 18,000 Leachate sampling \$ 5,000 Auditing Services \$ 16,500 Software support \$ 14,000
300017	Legal Services	\$ 44,000	\$ 44,000	General Counsel \$ 40,000 Outside Legal \$ 4,000
300029	Transportation to Smith Gap - Trailers	\$ 2,990,788	\$ 2,364,186	Trucking tons shipped 196,500 21 tons/trailer = 8,757 2.0 % Incr. Total \$ 2,364,186

OPERATING

CODE	DESCRIPTION	FY21-22	JUSTIFICATION	ADMIN	TCTS	STS	LANDFILL
300004	Medical Exams	\$ 2,000	Physical exams for new employees; drug and alcohol random testing	\$ 2,000	\$ -	\$ -	\$ -
300007	Contract Services	\$ 601,452	Employee Assistance Program: \$17.00 @ x 40 employees Clean Valley Council 12 months Landscaping- \$425/month Tire Disposal Copier Rental HHW Disposal Janitorial Services Exterminating Services Cap Maintenance -Bush Hog Leachate Disposal (RR) Trucking Tires Salem Bond Debt Rail Spur Inspections & Mainten NRRA Landfill Fee (1,025 tons)	\$ 680 \$ 61,000 \$ 5,100 \$ 118,400 \$ 9,204 \$ 65,000 \$ 45,000 \$ 2,700 \$ 25,000 \$ 30,000 \$ 29,000 \$ 210,368 \$ - \$ -	\$ 680 \$ 61,000 \$ 5,100 \$ - \$ 118,400 \$ 9,204 \$ 65,000 \$ 4,200 \$ - \$ - \$ - \$ 8,400 \$ 1,800 \$ - \$ - \$ 29,000 \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ 6,300 \$ 500 \$ - \$ - \$ - \$ - \$ 26,100 \$ 400 \$ - \$ - \$ - \$ -	\$ - \$ -
300100	Groundwater Sampling & Analysis SG & RR	\$ 147,032	Residential Drinking Water Samp Detection Monitoring & Lab ACM Monitoring - Lab & Engineering	\$ 16,032 \$ 3,000 \$ 40,000 \$ 88,000	\$ - \$ - \$ 40,000 \$ 62,000	\$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ 16,032 \$ 3,000 \$ - \$ - \$ - \$ - \$ 26,000
300102	Stormwater Sampling & Analysis	\$ 73,500	*Permit Sampling Engineering (PCB added) Laboratory	\$ - \$ 63,000 \$ 10,500	\$ - \$ 2,500 \$ 1,500	\$ - \$ - \$ -	\$ - \$ 60,500 \$ 9,000
300103	Landfill Gas Monitoring - SG & RR	\$ 117,400	SG - Monthly & Quarterly SG Reporting RR- Monthly @ \$2,000 RR Reporting	\$ 49,200 \$ 35,200 \$ 22,000 \$ 11,000	\$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ -	\$ - \$ 49,200 \$ 35,200 \$ - \$ -
300013	Professional Services	\$ 53,500	Engineering Leachate sampling Auditing Services Software support	\$ 18,000 \$ 5,000 \$ 16,500 \$ 14,000	\$ - \$ 2,000 \$ 16,500 \$ 14,000	\$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ -
300017	Legal Services	\$ 44,000	General Counsel Outside Legal	\$ 40,000 \$ 4,000	\$ 40,000 \$ 4,000	\$ - \$ -	\$ - \$ -
300029	Transportation & Landfill	\$ 2,364,186	Total Tons to be Landfilled 21 tons/trailer = 8,757	196,500	\$ - \$ 1,365,358	\$ 998,829	\$ -

CODE	DESCRIPTION	FY20-21	FY21-22	JUSTIFICATION
300030	Waste Water Transportation	\$ 266,162	\$ 421,759	Leachate Trailers 1,778 trls @ 237.21/trailer \$ 421,759
300035	Stone Delivery Charge	\$ -	\$ -	Stone Cars 30 Cars @ \$746 \$ -
310001	Temporary Help	\$ -	\$ -	Buildings and Grounds Maintenance
320001	Contracted Repairs	\$ 578,500	\$ 478,500	On Road Vehicles \$ 18,500 Construction Equipment Off Road Vehicles \$ 400,000 Miscellaneous Equip. Includes Tub Grinder Trailers, hydroseeder Mowers, truck scales Tipper/Gons \$ -
380380	Building Maintenance and Grounds	\$ 170,000	\$ 170,000	Maintenance and repairs to all buildings and property; pump stations, septic & leachate tanks.
350010	Printed Forms	\$ 5,100	\$ 5,100	Letterhead, envelopes, cards, scale tickets repair orders, purchasing forms includes General Counsel
360010	Advertising	\$ 8,850	\$ 8,850	RFP, bids, public hearings \$ 8,000 etc. Handouts \$ 150 User Brochures \$ 400 HHW Brochures \$ 200 Miscellaneous \$ 100

OPERATING

CODE	DESCRIPTION	FY21-22	JUSTIFICATION	ADMIN	TCTS	STS	LANDFILL
300030	Waste Water Freight	\$ 421,759	Leachate Cars 1,778 trls @ 237.21/trailer	\$ -	\$ -	\$ -	\$ 421,759
300035	Stone Car Freight Charge	\$ -	Stone Cars 30 Cars @ \$746	\$ -	\$ -	\$ -	\$ -
310001	Temporary Help	\$ -	Buildings & Grounds Maintenance	\$ -	\$ -	\$ -	\$ -
320001	Contracted Repairs	\$ 478,500	All road vehicles Construction Equipment Off Road Vehicles Miscellaneous Equip. Tipper/Gons Sub-Totals	\$ 18,500 \$ - \$ - \$ - \$ 18,500	\$ - \$ 100,000 \$ 20,000 \$ - \$ 120,000	\$ - \$ 25,000 \$ 10,000 \$ - \$ 35,000	\$ - \$ 275,000 \$ 30,000 \$ - \$ 305,000
380380	Building Maintenance and Grounds	\$ 170,000	Maintenance & repairs to all buildings and property; pump station, septic & leachate tanks	\$ 24,000	\$ 44,000	\$ 24,000	\$ 78,000
350010	Printed Forms	\$ 5,100	Letterhead, envelopes, cards, scale tickets, etc. includes General Counsel	\$ 5,100	\$ -	\$ -	\$ -
360010	Advertising	\$ 8,850	RFP, bids, public hearings, etc. Handouts User Brochures HHW Brochures Miscellaneous	\$ 8,000 \$ 150 \$ 400 \$ 200 \$ 100	\$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ -

CODE	DESCRIPTION	FY20-21	FY21-22	JUSTIFICATION
360001	Marketing activities	\$ 400	\$ 400	Recycling handouts, pens, pencils, miscellaneous items
360030	Special Events	\$ 6,500	\$ 6,500	Annual Employee Functions & Customer Appreciation Day
400600	Central Services	\$ 72,000	\$ 72,000	Administrative services, Roanoke County/Roanoke City for data processing, IT Support accounting, web updates, miscellaneous
510010	Electric	\$ 100,200	\$ 100,200	RTS \$2,250/month \$ 27,000 SGRL \$3,500/month \$ 42,000 STS \$2,000/month \$ 24,000 RRLF \$600/month \$ 7,200
510021	Heating Services	\$ 2,000	\$ 2,000	Transfer Station Natural Gas \$ 2,000
510022	Fuel Oil Natural & Bottled Gas	\$ 20,000	\$ 20,000	Propane Gas \$ 20,000 Smith Gap Landfill
510041	Water Service - Transfer Station	\$ 15,000	\$ 15,000	Water & Sewer Service for Transfer Stations
510042	Sewer Service - leachate	\$ 41,360	\$ 83,175	Sewer Service - leachate Smith Gap 17,064,112 Leachate cars \$4.00 /1000 gal - WVWA Fee \$ 83,175
520010	Postage	\$ 4,800	\$ 4,800	Postage for all mailings and correspondence, postage meter rent, includes General Counsel
520030	Telephone	\$ 5,200	\$ 5,200	Telephone service at all facilities, long distance calls, & credit card processing
520033	Internet Lines	\$ 16,740	\$ 16,740	Fees for internet service @ Smith Gap Landfill, and Both Transfer Stations
520035	Cell Phones	\$ 10,000	\$ 10,000	Service for cell phones

CODE	DESCRIPTION	FY21-22	JUSTIFICATION	ADMIN	TCTS	STS	LANDFILL
360001	Promotional Articles	\$ 400	Recycling handouts, pens, pencils, miscellaneous items	\$ 400	\$ -	\$ -	\$ -
360030	Special Events	\$ 6,500	Annual Employee Functions & Customer Appreciation Day	\$ 6,500	\$ -	\$ -	\$ -
400600	Central Services	\$ 72,000	Administrative services, Roanoke County/Roanoke City for data processing, accounting, web update, misc.	\$ 72,000	\$ -	\$ -	\$ -
510010	Utilities - Electricity	\$ 100,200	TCTS \$2,250/month SGRLF \$3,500/month STS \$2,000/month RRLF \$600/month	\$ 7,200	\$ 27,000	\$ 24,000	\$ 42,000
510021	Heating Services	\$ 2,000	Transfer Station Natural Gas	\$ -	\$ 2,000	\$ -	\$ -
510022	Fuel Oil Natural & Bottled Gas	\$ 20,000	Smith Gap Landfill Propane Gas	\$ -	\$ -	\$ -	\$ 20,000
510041	Water Service - Transfer Station	\$ 15,000	Water & Sewer Service for Transfer Stations	\$ -	\$ 8,000	\$ 7,000	\$ -
510042	Sewer Service	\$ 83,175	Sewer Service (leachate) Smith Gap & Rutrough	\$ 25,584	\$ -	\$ -	\$ 57,591
520010	Postage	\$ 4,800	Postage for all mailings and correspondence, postage meter rent, includes General Counsel	\$ 4,800	\$ -	\$ -	\$ -
520030	Telephone	\$ 5,200	Telephone Service	\$ 5,200	\$ -	\$ -	\$ -
520033	Internet Lines	\$ 16,740	Fees for internet service	\$ 5,700	\$ -	\$ 5,520	\$ 5,520
520035	Cell Phones	\$ 10,000	Service for cell phones	\$ 10,000	\$ -	\$ -	\$ -

CODE	DESCRIPTION	FY20-21	FY21-22	JUSTIFICATION
530002	Property Insurance-Fire	\$ 21,800	\$ 31,500	Coverage for all buildings, contents, and equipment
530005	Motor Vehicle Insurance	\$ 28,600	\$ 33,750	Insurance for on-road vehicles
530007	Public Officials Insurance	\$ 1,625	\$ 2,100	Insurance through VML or VACO pools
530008	General Liability Ins.	\$ 6,490	\$ 8,950	Coverage for all facilities & property
540010	Rent of Equipment	\$ 430,000	\$ 80,000	Rental of Miscellaneous Equipment Heavy Equipment OFF ROAD TRUCKS Emergency Equipment
550001	Travel - Mileage	\$ 500	\$ 500	Use of personal vehicles for RVRA business, staff, and Board Members
550020	Dinner Meetings - Luncheons	\$ 4,500	\$ 4,500	Monthly Board meetings, dinners & luncheons associated with RVRA
550040	Travel and Lodging, Conference, Training and Education	\$ 24,400	\$ 24,400	Conference registrations; \$ 6,000 SWANA, VML, legal conferences Subsistence & Lodging \$ 10,000 Operator training for hazardous materials, certifications & educations \$ 8,400
560001	Contributions	\$ 657,000	\$ 657,000	Payments per contract to: Roanoke County \$ 350,000 Roanoke City \$ 150,000 Salem City \$ 150,000 Town of Vinton \$ 5,000 Volunteer fire and rescue \$ 2,000

CODE	DESCRIPTION	FY21-22	JUSTIFICATION	ADMIN	TCTS	STS	LANDFILL
530002	Property Insurance-Fire	\$ 31,500	Coverage for all buildings, contents, and equipment	\$ 31,500	\$ -	\$ -	\$ -
530005	Motor Vehicle Ins.	\$ 33,750	Insurance for on-road vehicles	\$ 33,750	\$ -	\$ -	\$ -
530007	Public Officials Ins.	\$ 2,100	Insurance through VML pools	\$ 2,100	\$ -	\$ -	\$ -
530008	General Liability Ins.	\$ 8,950	Coverage for all facilities & property	\$ 8,950	\$ -	\$ -	\$ -
540010	Rent of Equipment	\$ 80,000	Rental of Miscellaneous Equipment Heavy Equipment Emergency Equipment	\$ -	\$ 10,000	\$ 2,500	\$ 67,500
550001	Travel - Mileage	\$ 500	Use of personal vehicles for RVRA business, staff, and Board Members	\$ 500	\$ -	\$ -	\$ -
550020	Dinner Meetings - Luncheons	\$ 4,500	Monthly Board meetings, dinners & luncheons associated with RVRA	\$ 4,500	\$ -	\$ -	\$ -
550040	Travel - Lodging	\$ 24,400	Conference registrations; SWANA, VML, legal conferences \$ 6,000	\$ 6,000	\$ -	\$ -	\$ -
			Subsistence & Lodging \$ 10,000	\$ 10,000	\$ -	\$ -	\$ -
			Operator training for hazardous materials, certification, misc. \$ 8,400	\$ 8,400	\$ -	\$ -	\$ -
560001	Contributions	\$ 657,000	Payments per contract to: Roanoke County \$ 350,000 Roanoke City \$ 150,000 Salem City \$ 150,000 Town of Vinton \$ 5,000 Volunteer fire & rescue \$ 2,000	\$ 5,000	\$ 150,000	\$ 150,000	\$ 352,000

CODE	DESCRIPTION	FY20-21	FY21-22	JUSTIFICATION
580001	Dues	\$ 3,200	\$ 3,200	Professional & Association dues: SWANA, SWVSWMA, & IAAP
580015	Warrants and Fees	\$ 84,000	\$ 89,750	DEQ & City SW annual fees ~\$63,750 Credit Card fees \$26,000
580023	Employee Recognition	\$ 7,000	\$ 7,000	Awards and Certificates
601010	Office Supplies	\$ 5,200	\$ 5,200	Office paper, pens, pencils, folders, etc.
601011	Photocopies	\$ -	\$ -	Miscellaneous Photocopies
601013	Small Equipment & Supplies	\$ 60,000	\$ 75,000	Items of office and shop equipment and supplies, tools, computers, lawn mowers, etc.
604040	Medical Supplies	\$ 1,000	\$ 1,000	Supplies for first aid kits & medicine cabinet
605050	Janitorial Supplies	\$ 5,000	\$ 7,000	Supplies for general cleaning & sanitation
607071	Radio Parts	\$ 4,000	\$ 13,000	Communications Equipment & Fees
608080	Gasoline, Oil & Grease	\$ 14,500	\$ 49,200	Fuel for all RVRA vehicles, mowers, lubricants
608082	Diesel fuel	\$ 450,000	\$ 350,000	Fuel for all diesel equipment and vehicles
609094	Tires, Tubes, Parts	\$ 100,000	\$ 100,000	Replacement and maintenance parts & supplies for all equipment and vehicles
611030	Uniform and Wearing Apparel	\$ 34,050	\$ 34,050	Safety Shoes & Jeans \$ 11,050 Rain gear, shirts, hats, misc. \$ 11,500 Purchase of uniforms \$ 11,500

CODE	DESCRIPTION	FY21-22	JUSTIFICATION	ADMIN	TCTS	STS	LANDFILL
580001	Dues	\$ 3,200	Professional & Association dues: SWANA, SWVSWMA, & IAAP	\$ 3,200	\$ -	\$ -	\$ -
580015	Warrants and Fees	\$ 89,750	DEQ & City SW annual fees -~\$63,750 Credit Card fees \$26,000	\$ 27,225	\$ 14,525	\$ 6,750	\$ 41,250
580023	Employee Recognition	\$ 7,000	Awards and Certificates	\$ 7,000	\$ -	\$ -	\$ -
601010	Office Supplies	\$ 5,200	Office paper, pens, pencils, folders, etc.	\$ 5,200	\$ -	\$ -	\$ -
601011	Photocopies	\$ -	Miscellaneous Photocopies	\$ -	\$ -	\$ -	\$ -
601013	Small Equipment & Supplies	\$ 75,000	Items of office and shop equipment and supplies, tools, computers	\$ 19,000	\$ 23,000	\$ 8,000	\$ 25,000
604040	Medical Supplies	\$ 1,000	Supplies for first aid kits & medicine cabinets	\$ 1,000	\$ -	\$ -	\$ -
605050	Janitorial Supplies	\$ 7,000	Supplies for general cleaning & sanitation	\$ -	\$ 1,500	\$ 1,500	\$ 4,000
607071	Radio Parts	\$ 13,000	Communications Equipment & Fees	\$ -	\$ 2,000	\$ 2,000	\$ 9,000
608080	Gasoline, Oil & Grease	\$ 49,200	Fuel for all RVRA vehicles, mowers, lubricants	\$ 30,000	\$ 2,200	\$ 2,000	\$ 15,000
608082	Diesel fuel	\$ 350,000	Fuel for all diesel equipment	\$ -	\$ 70,000	\$ 20,000	\$ 260,000
609094	Tires, Tubes, & Parts	\$ 100,000	Replacement and maintenance parts supplies for all equipment and vehicles	\$ 6,000	\$ 27,000	\$ 27,000	\$ 40,000
611030	Uniform & Wearing Apparel	\$ 34,050	Safety Shoes & Jeans Rain gear, shirts, hats, misc. Purchase of uniforms	\$ 325 \$ 3,500 \$ 1,500	\$ 4,018 \$ 2,909 \$ 3,636	\$ 2,679 \$ 1,939 \$ 2,424	\$ 4,028 \$ 3,152 \$ 3,939
			Totals	\$ 5,325	\$ 10,564	\$ 7,042	\$ 11,119

CODE	DESCRIPTION	FY20-21	FY21-22	JUSTIFICATION
620001	Subscriptions/Books	\$ 500	\$ 500	Professional magazines and manuals
650001	Other Operating Supplies	\$ 112,000	\$ 145,000	Disinfectants, deodorizers, salt for roads, gravel and stone for roads, seed, mulch fertilizers and lime for seeding slopes, fill areas and other areas, miscellaneous expenses
650003	Fire Equipment and Supplies	\$ 4,000	\$ 4,000	Fire hoses & extinguishers replacements & and for annual inspections for all facilities
650010	Safety Equipment	\$ 4,000	\$ 4,000	Dust mask, safety glasses, etc.
967070	Unappropriated Balance	\$ 98,940	\$ 81,924	For unexpected expenditures 1.25%
TOTAL OPERATING		\$ 8,014,111	\$ 6,635,818	

CODE	DESCRIPTION	FY21-22	JUSTIFICATION	ADMIN	TCTS	STS	LANDFILL
620001	Subscriptions /Books	\$ 500	Professional magazines and manuals	\$ 500	\$ -	\$ -	\$ -
650001	Other Operating Supplies	\$ 145,000	Disinfectants, deodorizers, salt gravel for roads, seed, mulch fertilizers & lime for seeding slopes, fill areas & other areas, miscellaneous expenses	\$ 12,500	\$ 5,000	\$ 5,000	\$ 122,500
650003	Fire Equipment & Supplies	\$ 4,000	Fire hoses & extinguishers replacements & and for annual inspections for all facilities	\$ 4,000	\$ -	\$ -	\$ -
650010	Safety Equipment	\$ 4,000	Dust mask, safety glasses, etc.	\$ 4,000	\$ -	\$ -	\$ -
	Sub-totals	\$ 153,500		\$ 21,000	\$ 5,000	\$ 5,000	\$ 122,500
	Sub-Totals 14-24	\$ 6,553,894		\$ 1,053,536	\$ 2,043,746	\$ 1,332,941	\$ 2,123,671
967070	Unappropriated Balance	\$ 81,924		\$ 13,169	\$ 25,547	\$ 16,662	\$ 26,546
	TOTAL OPERATING	\$ 6,635,818		\$ 1,066,705	\$ 2,069,293	\$ 1,349,603	\$ 2,150,217

CODE	DESCRIPTION	FY20-21	FY21-22	JUSTIFICATION
810001	Machinery & Equipment New	\$ -	\$ -	Nothing Planned
810002	Machinery & Equipment Replacement	\$ -	\$ -	Nothing Planned
820001	Furniture, Office Equipment New	\$ -	\$ -	Nothing Planned
830001	Communications Equipment New	\$ -		Nothing Planned
810001	Small Capital Outlay New	\$ -	\$ -	Nothing Planned
870001	Technology Equipment - New	\$ -	\$ -	Nothing Planned
870650	Computers Equipment Replacement	\$ -	\$ -	Nothing Planned
870005	Computer Server	\$ -	\$ -	Nothing Planned
890002	New Building	\$ -	\$ -	Nothing Planned
	TOTAL CAPITAL	\$ -	\$ -	

CODE	DESCRIPTION	BALANCE 7/1/2021	DEPOSIT FY21-22	EXPENSE FY21-22	BALANCE 06/30/22	JUSTIFICATION
C846 9209	Landfill Closure	\$ 4,677,370	\$ -	\$ 280,000	\$ 4,397,370	As required by State and Federal Regulations to close Smith Gap Landfill Engineering Phase II Closure
C847 9210	Equipment Reserve Fund	\$ 17,585	\$ 1,449,159	\$ 1,716,953	\$ (250,209)	For replacement of equipment per equipment replacement schedule.
C847 9211	Groundwater Protection Fund	\$ 500,000	\$ -	\$ -	\$ 500,000	Groundwater protection fund per local permit.
C847 9212	Landfill Host Community Improvement Fund	\$ 229,475	\$ 10,000	\$ -	\$ 239,475	As per local permit. Intranet/property
C847 9213	Property Value Protection	\$ 370,430	\$ -	\$ -	\$ 370,430	As per local permit. Current fund is adequate based on anticipated sales.
C848 9214	Future Site Development	\$ 2,351,245	\$ 1,663,566	\$ 280,000	\$ 3,734,811	For future construction of the landfill Engineering Phase VII
C848 9215	Capital Improvement Fund	\$ 211,082	\$ -	\$ 150,000	\$ 61,082	For maintenance and improvements to the facilities.
C840 9201	Contingency Reserve Fund	\$ 3,575,561	\$ -	\$ -	\$ 3,575,561	For unexpected expenses and for tipping fee stabilization
TOTAL RESERVE FUNDS		\$11,932,748	\$ 3,122,725	\$ 2,426,953	\$ 12,628,520	

CODE	DESCRIPTION	JUSTIFICATION	DEPOSIT FY21-22	ADMIN	TCTS	STS	LANDFILL
C846 9209	Landfill Closure	As required by State and Federal regulations to close Smith Gap Regional Landfill	\$ -	\$ -	\$ -	\$ -	\$ -
C847 9210	Equipment Reserve Fund	For replacement of equipment per equipment replacement schedule.	\$ 1,449,159	\$ -	\$ 321,423	\$ 276,210	\$ 851,526
C847 9211	Groundwater Protection Fund	Groundwater protection fund per local permit.	\$ -	\$ -	\$ -	\$ -	\$ -
C847 9212	Landfill Host Community Improvement Fund	As per local permit. intranet/property	\$ 10,000	\$ -	\$ -	\$ -	\$ 10,000
C847 9213	Property Value Protection	As per local permit. Current fund is adequate based on anticipated sales.	\$ -	\$ -	\$ -	\$ -	\$ -
C848 9214	Future Site Development	For future construction of the landfill	\$ 1,663,566	\$ -	\$ -	\$ -	\$ 1,663,566
C848 9215	Capital Improvement Fund	For maintenance and improvements to the facilities.	\$ -	\$ -	\$ -	\$ -	\$ -
C840 9201	Contingency Reserve Fund	For unexpected expense and for tipping fee stabilization	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL RESERVE FUNDS			\$ 3,122,725	\$ -	\$ 321,423	\$ 276,210	\$ 2,525,092

TIPPING FEE BREAKDOWN

ALL OPERATIONS

CATEGORY	ADMIN	TCTS	STS	LANDFILL	TOTAL	PERCENT
PERSONNEL	\$ 824,925	\$ 772,842	\$ 663,420	\$ 1,071,009	\$ 3,332,196	22%
OPERATIONS	\$ 1,066,705	\$ 2,069,293	\$ 1,349,603	\$ 2,150,217	\$ 6,635,818	45%
DEPOSITS AND RESERVES	\$ -	\$ 321,423	\$ 276,210	\$ 2,525,092	\$ 3,122,725	21%
DEBT SERVICE	\$ 1,783,986	\$ -	\$ -	\$ -	\$ 1,783,986	12%
TOTAL	\$ 3,675,617	\$ 3,163,559	\$ 2,289,232	\$ 5,746,317	\$ 14,874,725	100%
PERCENTAGE	25%	21%	15%	39%	100%	

Required Tipping Fee

Municipal \$ 53.50 per ton
 Commercial \$ 62.75 per ton

RESERVE FUNDS

2021-2022



SMITH GAP LEASED OFF ROAD TRUCK

RESERVE FUNDS

	PAGE#
I. RVRA Financial & Reserve Policy	1-3
II. Annual Review	4-5
III. Consulting Engineer's Review	6-9
IV. Summary of Reserve Funds	
A. Ending 2021/2022	10
B. Ten-year Projections	11
V. Reserve Funds and Expenditure Plans	12-36
A. Landfill Closure Fund	12-13
B. Equipment Reserve Fund	14-18
C. Groundwater Protection Fund	19-20
D. Host Community Improvement Fund	21-22
E. Property Value Protection Fund	23-24
F. Further Site Development Fund	25-28
G. Capital Improvement Plan	29-31
H. Roanoke (Rutrough Rd) Regional Landfill	32-34
I. Contingency Fund	35-36

ROANOKE VALLEY RESOURCE AUTHORITY

FINANCIAL AND RESERVES

POLICY

I. Background

The Authority recognizes one of the keys to sound financial management is the development of a systematic way to fund planned capital projects and on-going maintenance programs. The Authority believes it is equally important to establish the planned expenditures of associated funding for its capital projects and maintenance programs on a pay-as-you-go basis whenever possible. The National Advisory Council on State and Local Budgeting (NACSLB) has issued guidelines representing standards of excellence in governmental budgeting that include the preparation of policies and plans for capital asset acquisition, maintenance, and replacement (Principle 2; Element 5; Practice 5.2). This policy addresses this standard.

II. Purpose

This policy will provide for the establishment and the planned funding level of maintenance and improvement reserve accounts for planned expenditures over a short-term planning period of five (5) years and a long-term planning period of ten (10+) years or more. Each individual account provides for a separate funding purpose to be designated as either "restricted" or "unrestricted" accounts. Restricted accounts must be used solely for their intended purpose as required by regulatory statute, contractual obligation, or operating permit conditions. Unrestricted funds are intended for planned capital and maintenance purposes, but may be periodically used by the Authority temporarily, for not more than six (6) months, to provide emergency funding for the Authority's operations, if needed. Reserve Accounts may be utilized to fund the same or separate projects as deemed necessary for supporting the mission of providing quality programs and facilities necessary to serve the Authority's Member Communities of Roanoke County, the City of Roanoke, the City of Salem, the Town of Vinton and their residents and businesses of the Roanoke Valley.

III. Policy Guidelines for Reserve Fund Accounts

- A. The Authority will maintain reserve accounts and an initial beginning balance of funds will be deposited into accounts as identified for the current fiscal year.
- B. Annual funding transfers will occur in twelve (12) equal monthly transfers from revenues received by the Authority and as budgeted for the current fiscal year.
- C. Ongoing expenditures from the funds will occur as budgeted for the current fiscal year as costs are accrued.
- D. Planned deposits to the funds are calculated sufficient to maintain the desired fund balances with a positive fund balance, at a minimum, for any given fiscal year during the long-term planning period.

- E. Planned expenditures of the funds are calculated sufficient to provide cash funding for all planned capital projects and maintenance projects for any given fiscal year during the long-term planning period.
- F. Any end of year operating surplus and/or interest earnings may be allocated to one or more account, as determined by the Authority's Board of Directors.
- G. An internal review of the account allocations and funding levels by a professional engineer familiar with best management practices of solid waste operations and facilities will occur annually to ensure the priorities are consistent with the goals of the Authority and to ensure the funding levels are adequate.
- H. An external third party review of the account allocations and funding levels by a professional engineer familiar with best management practices of solid waste operations and facilities, will occur every five (5) years to ensure the funding levels are adequate. DAA completed their assessment of the Reserve Accounts in 2018. The next scheduled third party review should be conducted when preparing the FY 23 Budget which is next year.

IV. Account Definitions

The **Landfill Closure Fund** (*Unrestricted*) provides a reserve for the costs of capping completed areas of the landfill and at the end of the landfill's useful life, to completely close any remaining area, install all monitoring and collection systems and perform all post-closure care activities per regulatory requirements.

The **Equipment Replacement Fund** (*Unrestricted*) provides funds for the future purchases, regularly scheduled replacement of major operating equipment, and any uninsured risk, in an orderly fashion as to minimize annual operating costs, maximize any trade-in or surplus value, and to provide for the best overall purchasing value.

The **Ground Water Protection Fund** (*Restricted*) provides funds to address any environmental effects the operation of the landfill may have on the surrounding area. The fund also serves to assist in complying with post closure and corrective action requirements of state and federal financial assurance regulations.

The **Host Community Fund** (*Restricted*) provides funds for the construction and maintenance of public improvements to Authority property within the Host Community, as requested by the Host Community, and as approved in a formal public improvement plan.

The **Property Protection Fund** (*Restricted*) provides funds for the one-time payments under the Property Protection Policy to property owners within the Host Community for any actual realized decline in property values as a result of their relatively close proximity to the Smith Gap Regional Landfill.

The **Site Development Fund** (*Unrestricted*) provides funds for the construction of subsequent phases of the Smith Gap landfill, as necessary, to provide ongoing landfill disposal capacity.

The **Capital Improvement Fund** (*Unrestricted*) was established to be used for various capital maintenance items and new capital projects anticipated for the ten-year planning period. Projects may be amended as solid waste operations and the industry in general continues to evolve.

The **Rutrough Road Landfill (RRLF) Post Closure Fund** (*Restricted*) provides funding for the Authority's contractual obligation to provide for the ongoing post closure care of the closed Rutrough Road Landfill. This fund is projected to be depleted from the capital expenditures associated with the construction of a new force main and sewer line that will ultimately decrease annual operating expenses. Accordingly, starting in FY'18, the post closure care responsibilities will be funded by our annual revenues from the operating budget and the associated costs will be budgeted as ongoing line-item expenditures in the general annual operating budget. Upon exhaustion of funds, this reserve fund will be closed and eliminated from future reserve budget considerations. Exhaustion of the RRLF Post Closure Fund is projected to occur in FY 21 or FY 22.

The **Contingency Fund** (*Unrestricted*) provides funding to stabilize year-to-year rate adjustments and to provide a source of funding for any unforeseen increases in expenses or decreases in revenue that would otherwise cause a negative balance for the Authority's operating funds.

V. Reporting

The Treasurer will track reserve account deposits and expenditures on a monthly basis. A monthly report will be sent to the Chief Executive Officer and the Authority's Secretary, which will be included on the Board of Directors' agenda for review at all regularly scheduled meetings. The Treasurer will also ensure that all expenditures have been through the appropriate approval process. The Chief Executive Officer will provide an annual report to the Board of Directors as to the adequacy of the funding levels of each respective reserve account.

ANNUAL REVIEW RVRA RESERVE FUNDS PLAN & REPORT FY 2021 – 2022

The Roanoke Valley Resource Authority reviewed its replacement reserve requirements as outlined per the Authority's "Financial and Reserves Policy" and has determined the adequacy of the funding plan as submitted herein. The Authority, in its review, has defined adequacy to mean that sufficient funding, if funded as scheduled, exists in amounts equivalent to or exceeding the anticipated expenditures during a short-term period (next five subsequent fiscal years) and a long-term period (next ten subsequent fiscal years), with the understanding that certain amounts are to be borrowed, if needed, as indicated in the expenditure plan. The Authority has established the funding and expenditure plan, as outlined in the "Summary of Reserve Funds: 10-Yr. Planning Period" (p.11.)

This Reserve Fund Plan and subsequent report is based on the Authority borrowing an additional \$10 million through the Virginia Resources Authority and constructing a road in place of the rail spur and performing modifications to the Tinker Creek Transfer Station to allow the direct haul of solid waste to the Smith Gap Regional Landfill from both transfer stations. At the time of this report, the terms from VRA and all the moral obligations have not been completed so the exact debt service payments and contributions to the reserves may have to be adjusted. In addition to the Financing and subsequent construction of the two projects noted above, the RVRA has a guaranteed commitment from County Waste (a commercial hauler) to deliver 100,000 tons of additional solid waste to the landfill per Calendar Year.

According to staff's review, the Equipment Reserve Fund is deemed marginally inadequate for the short and long-term planning periods. However, since we are changing our primary mode of transportation from the transfer stations from utilizing rail to an all trucking operation there are several pieces of equipment that the Authority will no longer need that will be available to be declared surplus. At this time, staff believes that the sale of the obsolete equipment will cover the short term deficits specifically in the Equipment Reserve Account. Also, staff may elect to buy used equipment or from Government Surplus and modify to fit its needs. The Site Development Reserve Fund is deemed inadequate for the short-term period; however, this is only a construction estimate and there are sufficient funds in the Closure Reserve Account to assist in constructing Phase VII of the landfill if necessary. Again, as noted above, Staff is reviewing other purchasing options to include renting and/or leasing certain pieces of equipment, purchasing government surplus equipment and modifying to fit our needs to minimize expenditures and to avoid Tier IV emission issues. Due to the increase in guaranteed tonnages (100,000), specifically commercial waste, the Authority has significantly increased its annual contributions to the Reserves Fund accounts for FY 22. However, over the last three years, the reserves were significantly reduced to balance the annual operating budgets.

Upon finalizing its financing needs, the Authority will begin construction on the Spur Road Project and the Tinker Creek Transfer station modifications, possibly as early as April 2021. Total Project Contract awards are anticipated to be approximately \$9 million dollars leaving \$1 million dollars as a contingency or to fund other capital needs, as prioritized by the Board. The construction of the road is anticipated to be substantially completed in August 2021 which will allow the Authority to stop shipping waste to a third-party landfill. Currently, the Contingency Reserve Fund balance is \$3,575,561 and staff has estimated that approximately \$2,600,000 will be used to pay New River Valley Resource Authority tipping fees leaving approximately \$950,000 in the Contingency Reserve Fund.

Again, as noted last year and the year before, the Rutrough Road Post-Closure Account Reserve Fund is nearly depleted. Future post closure care responsibilities were moved to the operations budget starting in FY 2018. The remaining funds in the Rutrough Road account will be used exclusively for the Rutrough Road Landfill. This Fund is projected to be exhausted later this FY'21 or possibly FY'22 and will be eliminated from the Authority's Reserve Funds program upon depletion.

Once the final terms of the VRA financing is received, and our Board authorizes the projects noted above, the Contract with Norfolk Southern will be terminated and the tipper and associated equipment will be sold on auction replenishing some Funds. The Salem Transfer Station Phase II is on hold until financing is available to make those modifications.

For the immediate five-year (5) planning period, the Equipment Reserve and Site Development Account are showing a deficit. However, the sale of surplus equipment should off-set the Equipment shortages noted in subsequent pages. Phase VII (Site Development Fund) has been moved up three years in anticipation of the additional tonnages and to allow to improvements to the landfill in anticipation of our tractor and trailers accessing the working face. Phase VII engineering is scheduled to be completed in FY 22; however, the construction of Phase VII may be delayed a year depending upon the amount of air spaced actually used in the next year. Overall, the Reserve Funds remain at a steady balance over the next five and ten-year planning period with the funding levels shown.

As the Authority transitions away from its rail operations, there may be additional savings in our operations or opportunities for additional revenues. The cumulative balance of all Reserve Funds is deemed adequate for both short and long term periods. Staff is of the opinion that the overall and combined Reserve Funds are consistent with the needs and obligations of the Authority as approved by the Authority's Board of Directors.

CONSULTING ENGINEERS REVIEW

The retirement of all outstanding bond debt in FY 2011 subsequently relieved the Authority of its former financial requirements as previously imposed by the Master Indenture of Trust, including the establishment and funding of certain reserve funds as recorded and reported in the annual report. While no longer obligated to the terms of the Master Indenture of Trust, several previously established reserve funds remain as ongoing obligations to the Authority due to start-up and operating restrictions imposed under the Authority's separate "Landfill & Transfer Station Permit Conditions & Operating Policies," including: *The Groundwater Protection Fund* (formerly known as "The Environmental Fund"); *The Host Community Fund*; and *The Property Protection Fund*. Additionally, the Authority is contractually obligated to maintain the post-closure care of the closed Roanoke Landfill (a.k.a. the Rutrough Road Landfill) with funds initially established and designated expressly for this purpose in *The Rutrough Road Landfill Post-Closure Fund*. Therefore, these four reserve funds are designated as "Restricted" reserve accounts which must be maintained and adequately funded for their express, respective purposes. The *Rutrough Road Landfill Post-Closure Fund* is nearing depletion and all remaining post closure care activities have been transitioned to the operating budget.

As part of its initial post-bond debt, fiscal responsibility, the Authority recognized that one of the keys to sound financial management is the development of a systematic way to fund planned capital projects and on-going maintenance programs beyond its operating permit and contractual requirements. The Authority believes it is equally important to establish the planned expenditures of associated funding for its capital projects and maintenance programs on a pay-as-you-go basis whenever possible.

The National Advisory Council on State and Local Budgeting (NACSLB) has issued guidelines representing standards of excellence in governmental budgeting that include the preparation of policies

and plans for capital asset acquisition, maintenance, and replacement (Principle 2; Element 5; Practice 5.2). Therefore, the Authority established additional reserve funds for these purposes which are designated as “Unrestricted” reserve accounts since at this time there are no external conditions, other than sound financial management as outlined and approved in the **RVRA RESERVES PLAN** (“Plan”), requiring their existence and funding levels.

The Unrestricted Funds include: *The Closure Fund; The Equipment Fund; The Site Development Fund; The Capital Improvement Fund; and The Contingency Fund.* The Closure, Equipment, and Site Development Funds were previously required under the former Master Indenture of Trust and funding levels were maintained and managed accordingly. The Capital Improvement and Contingency Funds, while not previously required per any outside obligation, were established and recognized as being necessary for sound financial management of the Authority’s operations and its facilities. The Authority recognizes that periodically, it may need to add, delete, or amend its unrestricted funds as deemed to be in the best interest of the Authority and its members. The additional borrowing of funds (or debt) and the Ownership of the Salem Transfer Station has also impacted the future Reserve and Financial Policies of the Authority.

Per its Financial and Reserve Policy (Section III. H.), an external, third party review of the account allocations and funding levels by a professional engineer, familiar with best management practices of solid waste operations and facilities, will occur every five (5) years to ensure the funding levels are adequate. That external review was last conducted by Draper Aden Associates (DAA) in FY 2018, the next external review is scheduled for FY 2023.

All funds required for expenditures for the five year planning period are currently available in the reserve's accounts with the exception of the Equipment and the Site Development Reserve Funds. However, sufficient Funds are available in the unrestricted balance to cover the short term planning period (for additional information on the Equipment Reserve, please see the Equipment Reserve Account). The long range (ten-year projections) shows positive balances except for three accounts: The Equipment, Closure, and Site Development Reserve Accounts. Again, the Authority is reviewing its methodology for acquiring the necessary equipment to operate all of its facilities on a daily basis to include renting and/or leasing, and/or from government surplus for major purchases in the future. While the balance in the overall unrestricted funds is positive, the funding levels drop off precipitously after Phase VII and Phase II Closure have been completed in FY 2023; however, as noted previously, the Authority may be able to delay Phase VII construction a year but until the design of phase VII is completed and we get a year of trucking or two behind us we will not know for sure the exact timing. While the Plan is still fairly fluid it is consistent with the needs and obligations of the Authority and has been approved by the Authority's Board of Directors.

The Authority annually makes deposits to its reserve funds for funding future planned expenditures. These reserves allow the Authority to establish and project an orderly adjustment of its tipping fee revenues as necessary to prepare for future capital expenditures to coincide with its annual operating costs.

Initial projections made in 1992 during the start-up, 20-year revenue bond issuance established a basis of anticipated costs and revenues for operating the new solid waste disposal system through the bond term. More than two decades of actual operating experience of the Authority's systems has allowed the Authority to delay anticipated increases in tipping fees and offer rates less than originally projected.

In conclusion, each reserve fund has been reviewed for its adequacy to meet the planned expenditures over a short-term period of five-years and for an extended, long-term, planning period of ten-years. As noted previously, the Equipment, Closure and Site Development Fund is showing a shortage in the short and long-term planning periods; however, sufficient funds are available in the unrestricted accounts to cover this shortfall for the short-term period. The Site Development Reserve fund is showing a negative number in the short-term planning period; however, our Total Reserve Balances remain positive. Therefore, Staff deems both short and long-term reserve balances as adequate.

Staff re-assesses all the reserves every year and in some instances, equipment replacement and/or projects can be delayed or moved up depending on the situations at the time. In summary, while deficits are shown in the short and the long term reserve accounts, staff believes that the majority of those impacts can be mitigated as noted above.

Respectfully Submitted,

Daniel D. Miles, P.E.
Chief Executive Officer

**SUMMARY OF RESERVE FUNDS
EXPENDITURES/DEPOSITS FOR FY 2022**

	BALANCE AT 07/01/21 (anticipated)	PLANNED/ACTUAL EXPENDITURES 2021/2022	DEPOSITS	BEGINNING BALANCE 1-Jul-2022
CLOSURE FUND	\$ 4,677,370	\$ 280,000	\$ -	\$ 4,397,370
EQUIPMENT	\$ 17,585	\$ 1,716,953	\$ 1,449,159	\$ (250,209)
ENVIRONMENTAL FUND	\$ 500,000	\$ -	\$ -	\$ 500,000
HOST COMMUNITY	\$ 229,475	\$ -	\$ 10,000	\$ 239,475
PROPERTY VALUE PROTECTION	\$ 370,430	\$ -	\$ -	\$ 370,430
SITE DEVELOPMENT	\$ 2,351,245	\$ 280,000	\$ 1,663,566	\$ 3,734,811
CAPITAL IMPROVEMENT FUND	\$ 211,082	\$ 150,000	\$ -	\$ 61,082
TOTALS	\$ 8,357,187	\$ 2,426,953	\$ 3,122,725	\$ 9,052,959
CONTINGENCY	\$ 3,575,561	\$ 2,622,573	\$ -	\$ 952,988
NOTES:				
GRAND TOTAL	\$ 11,932,748			\$ 10,005,947

Summary of Reserve Funds: Ten Year Planning Period

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Deposits											
Closure	0	0	200	200	200	200	200	200	200	200	200
Equipment	0	1449	1800	1800	1800	1800	1800	1800	1800	1800	1800
Environmental	0	0	0	0	0	0	0	0	0	0	0
Host Community	10	10	10	10	10	10	10	10	10	10	10
Property Protection	0	0	0	0	0	0	0	0	0	0	0
Site Development	0	1664	1500	1500	1500	1500	1500	1500	1500	1500	1500
Capital Improvement	0	0	90	90	90	90	90	90	90	90	90
total	10	3123	3600	3600	3600	3600	3600	3600	3600	3600	3600
Expenditures											
Closure	0	280	2,405	0	0	0	260	3,234	0	0	0
Equipment	255	1,717	2,013	1,954	567	1,771	2,038	1,060	1,735	2,382	3,234
Environmental	0	0	0	0	0	0	0	0	0	0	0
Host Community	0	0	0	0	10	10	10	10	10	10	10
Property Protection	0	0	0	0	0	0	0	0	0	0	0
Site Development	10	280	6,800	0	0	0	250	5,575	0	0	0
Capital Improvement	0	150	50	0	0	60	0	250	250	0	0
total	265	2427	11268	1954	577	1841	2558	10129	1995	2392	3244
Balances											
							5 year				10 year
Closure	4,677	4,397	2,192	2,392	2,592	2,792	2,732	-302	-102	98	298
Equipment	18	-250	-463	-617	616	645	407	1,147	1,212	630	-804
Environmental	500	500	500	500	500	500	500	500	500	500	500
Host Community	229	239	249	259	259	259	259	259	259	259	259
Property Protection	370	370	370	370	370	370	370	370	370	370	370
Site Development	2,351	3,735	-1,565	-65	1,435	2,935	4,185	110	1,610	3,110	4,610
Capital Improvement	211	61	101	191	281	311	401	241	81	171	261
total	8,356	9,052	1,384	3,030	6,053	7,812	8,854	2,325	3,930	5,138	5,494

Summary of Other Reserve Funds: Ten Year Planning Period

Fiscal Year	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Deposits											
Rutrough Road	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Expenditures											
Rutrough Road	0	0	0	0	0	0	0	0	0	0	0
Contingency	147	0	0	0	0	0	0	0	0	0	0
Balances											
					5 year						10 year
Rutrough Road	0	0	0	0	0	0	0	0	0	0	0
Contingency	953	953	953	953	953	953	953	953	953	953	953
Totals											
All Funds	9,309	10,005	2,337	3,983	7,006	8,765	9,807	3,278	4,883	6,091	6,447
Unrestricted Funds						5 year					10 year
All Funds	8,210	8,896	1,218	2,854	5,877	7,636	8,678	2,149	3,754	4,962	5,318

CLOSURE FUND

The Closure Fund provides a reserve for the costs of capping completed areas of the Smith Gap Regional Landfill and to install all groundwater and gas monitoring and collection systems per regulatory requirements.

For the last two years ago, due to a loss of revenue no deposits were made to Closure Account. For the current planning period, again staff is not recommending any deposits to the Closure Reserve Account since the Funds are adequate for the immediate five-year planning period. If Funding is available, we anticipate making \$200,000 deposits to the Closure Account thereafter. For the long range planning period a small deficit is shown in FY 28-27. As noted, deposits may be adjusted based on revised cost estimates and an increase or decrease in the amount of waste received in future years.

Portions of Smith Gap Regional Landfill were closed in Calendar Year 2018 and the cost per acre were significantly less than staff was estimating and the closure estimates have been adjusted. Funds are adequate for the short and long range planning period.

The Closure Reserve Account funding levels are for closing portions of the landfill and not to fund the post closure care.

Landfill Closure Fund

FISCAL YEAR	BEGINNING BALANCE	ANNUAL DEPOSIT	EXPENSES	ENDING BALANCE	USES
1998-99	2,375,000	250,000	0	2,625,000	
1999-20	2,625,000	250,000	0	2,875,000	
2000-01	2,882,755	250,000	0	3,132,755	
2001-02	3,132,755	250,000	0	3,382,755	
2002-03	3,382,755	250,000	0	3,632,755	
2003-04	3,632,755	250,000	0	3,882,755	
2004-05	3,882,755	250,000	0	4,132,755	
2005-06	4,132,755	250,000	0	4,382,755	
2006-07	4,382,755	250,000	0	4,632,755	
2007-08	4,632,755	1,050,000	10,291	5,672,464	Phase I Design
2008-09	5,672,464	600,000	29,817	6,242,647	Phase I Design & LFGCCS
2009-10	6,242,647	600,000	72,704	6,769,943	Phase I Design & LFGCCS
2010-11	6,769,943	400,000	1,589,591	5,580,352	Complete LFGCCS
2011-12	5,580,352	100,000	193,600	5,486,752	Misc. LFGCCS & LFGTE
2012-13	5,486,752	300,000	22,500	5,764,252	Closure & Misc LFGCCS
2013-14	5,764,252	300,000	21,915	6,042,337	Misc. LFGCCS
2014-15	6,042,337	300,000	97,867	6,244,470	Engineering
2015-16	6,244,470	200,000	9,870	6,434,600	Engineering
2016-17	6,434,600	200,000	831,181	5,803,419	Phase I Engr. & Constr. (7.6 Ac)
2017-18	5,803,419	250,000	891,229	5,162,190	Phase I Engr. & Constr. (7.6 Ac)
2018-19	5,162,190	0	0	5,162,190	
2019-20	5,162,190	0	484,820	4,677,370	Engr & Const LFG expansion
2020-21	4,677,370	0	0	4,677,370	
2021-22	4,677,370	0	280,000	4,397,370	Phase II Design & QC/QA
2022-23	4,397,370	200,000	2,405,000	2,192,370	Phase II Construction (10 Ac)
2023-24	2,192,370	200,000	0	2,392,370	
2024-25	2,392,370	200,000	0	2,592,370	
2025-26	2,592,370	200,000	0	2,792,370	
2026-27	2,792,370	200,000	260,000	2,732,370	Phase III Design & QC/QA
2027-28	2,732,370	200,000	3,234,175	-301,805	Phase III Construcion (8.8 Ac)
2028-29	-301,805	200,000	0	-101,805	
2029-30	-101,805	200,000	0	98,195	
2030-31	98,195	200,000	0	298,195	

Note: Additional funding from Surplus (\$550,000) was added from FY06/07 budget in FY 07/08

EQUIPMENT FUND

The Equipment Fund is established to provide funds for the regularly scheduled replacement purchases of major operating equipment.

With the additional guaranteed tonnages and our conversion from rail to trucking, funding levels have been increased from \$0 to \$1,449,159 for new equipment next year for the purchase of additional equipment that is needed for the trucking operation. For FY 2023 and beyond, we have shown an increase in the funding levels to \$1,800,000, provided funds are available, but even with that, the Equipment Reserve Account shows a deficit for the short-term ten year planning period but evens out over the long term planning period with only a deficit shown in year 10.

As noted earlier in the report, with the conversion to a trucking operation, several pieces of equipment will become obsolete and will no longer be needed at the landfill. Staff will prepare a Board Report declaring this equipment as surplus and to be auctioned off. The exact funds the Authority may recoup is unknown; therefore, no additional funding for the sale of surplus equipment is shown. However, if we can find a buyer for the tipper in addition to the other equipment, staff believes those proceeds may be adequate to address the short term deficits shown over the next three years and may allow the future deposits to the Equipment Reserve Account to be reduced. The Equipment Replacement schedule attached is based on the Authority electing to go trucking in FY 2022.

We have also had reasonable success in converting military surplus equipment to fit our trucking needs and will continue to pursue this as an option going forward to minimize expenditures.

As noted in the past, and if needed, staff may be able to rent, lease or lease purchase equipment to off-set the short and long term deficit. Staff continuously evaluates other purchasing options when replacing a piece of equipment. The Equipment Reserve fund also serves to assist in complying with post-closure requirements of state and federal financial assurance regulations.

<i>Equipment Reserve Fund</i>					
FISCAL YEAR	BEGINNING BALANCE	ANNUAL DEPOSIT	EXPENSES	ENDING BALANCE	Detailed Schedule
1998-99	2,704,000	375,000	260,000	3,127,939	See Attached
1999-20	3,127,939	375,000	288,289	3,214,650	See Attached
2000-01	3,214,650	375,000	555,535	3,034,115	See Attached
2001-02	3,034,115	375,000	987,595	2,421,520	See Attached
2002-03	2,421,520	375,000	680,098	2,116,422	See Attached
2003-04	2,116,422	400,000	459,327	2,057,095	See Attached
2004-05	2,057,095	400,000	561,464	1,895,631	See Attached
2005-06	1,895,631	400,000	323,589	1,972,042	See Attached
2006-07	1,972,042	400,000	492,652	1,879,390	See Attached
2007-08	1,879,390	674,231	1,280,731	1,272,890	See Attached
2008-09	1,272,890	400,000	1,103,483	569,407	See Attached
2009-10	569,407	600,000	351,088	818,319	See Attached
2010-11	818,319	600,000	625,485	792,834	See Attached
2011-12	792,834	600,000	937,839	454,995	See Attached
2012-13	454,995	1,250,000	651,277	1,053,718	See Attached
2013-14	1,053,718	1,100,000	858,452	1,295,266	See Attached
2014-15	1,295,266	1,100,000	1,292,433	1,102,833	See Attached
2015-16	1,102,833	1,000,000	316,228	1,786,605	See Attached
2016-17	1,786,605	1,000,000	1,443,855	1,342,750	See Attached
2017-18	1,342,750	1,400,000	1,518,729	1,224,021	See Attached
2018-19	1,224,021	0	1,078,269	145,752	See Attached
2019-20	145,752	200,000	41,463	304,289	See Attached
2020-21	304,289	0	286,704	17,585	See Attached
2021-22	17,585	1,449,159	1,716,953	-250,209	See Attached
2022-23	-250,209	1,800,000	2,013,174	-463,383	See Attached
2023-24	-463,383	1,800,000	1,953,885	-617,268	See Attached
2024-25	-617,268	1,800,000	567,238	615,494	See Attached
2025-26	615,494	1,800,000	1,770,674	644,820	See Attached
2026-27	644,820	1,800,000	2,037,950	406,870	See Attached
2027-28	406,870	1,800,000	1,059,678	1,147,192	See Attached
2028-29	1,147,192	1,800,000	1,735,370	1,211,822	See Attached
2029-30	1,211,822	1,800,000	2,381,434	630,388	See Attached
2030-31	630,388	1,800,000	3,234,476	-804,088	See Attached
2031-32	-804,088				



Major Equipment Replacement Schedule

Major Equipment Replacement Schedule										
Equipment Description	year	site	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Volvo EC 300D Excavator	2011	SG	\$265,725							FY 2029-30
Komatsu D155A Bulldozer	2007	SG								FY 2030-31
New CAT D 8 (Equivalent)	2021	SG	\$615,000							
John Deere Bulldozer (850 K)	2012	SG	\$420,807							
Used Cat 826G #1 Compactor	2003	SG	\$350,000							
Bomag/722 RB-4	2019	SG								
Cat 826 G #3 Compactor	2013	SG								
Cat 973 Track Loader	1992	SG								
CAT 35 Ton Haul Truck	2017	SG								
CAT 35 Ton Flat Truck	2017	SG								
CAT 740 MCDRED	2010	SG								
Volvo A40G # 4 (unspecified) ¹	2016	SG								
Volvo A40G # 4 (unspecified) ¹	2016	SG								
CAT 745 (lease Repayment) ²	2018	SG								
CAT 745 (lease Repayment) ²	2018	SG								
John Deere 744K wheel Loader	2015	SG								
John Deere 744K wheel Loader ³	2015	SG								
Cat 966 K Wheel Loader ³	2004	SG								
JD 544 K Wheel Loader [—]	1985	SG								
Rail King ¹	2013	SG								
Transaxle # 2 ¹	2003	SG								
Cat 130G Motor Grader	1976	SG								
Vovo EC235	2019	SG								
Doosan /225 LC3	2015	SG								
Excavator John 200 CLC	2004	SG								
Finn T 330 Hydro Seeder / Water TRK	2015	SG								
Yale Forklift	2019	SG								
Ford L9000 Dump Truck	1992	SG								
Single Axle Dump Truck (snow)	2021	SG	\$125,000							
Single Axle Dump Truck (snow)	2021	SG								
New Holland	2000	SG	\$22,000							
Ford F150 Crew Cab (replace S X S)	2009	SG								
Ford F150 Crew Cab	2013	SG								
Dodge Crew Cab (replace side X side)	2003	SG								
Ford Service Truck	2001	SG								
Freight Car. Mobile Lube Truck	2011	SG								
Freightliner Roll-off	2000	SG	\$150,584							
Silverado	2017	SG								
Explore	2018	SG								
Backhoe (4x4 with broom)	2021	SG								
Western Star Tractor	2016	SG								
Military Vehicle # 1 - Used	2018	SG								
Military Vehicle # 2 - Used	2019	SG								
Ventrac Slope mower	2022	SG	\$50,000							
New Vibratory Roller	2023	SG								
Sub-TOTAL			\$1,112,000	\$1,012,114	\$799,846	\$191,029	\$989,712	\$765,000	\$240,000	\$784,800
Notes:			1 Surplus		2 Not needed -lease retired					
			3 Transfer to Trinker or Salem or surplus		10 year total					
					Required funding ten year					
					16					



Major Equipment Replacement Schedule



Major Equipment Replacement Schedule

Equipment Description		year	site	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
Wheel Loader - John Deere 744 KII	2018	STS					\$ 265,000		\$ 310,000				
Excavator Volvo (ECR 235)	2017	STS							\$ 272,950				
Excavator CAT 325FL CR	2018	STS											
Elgin Pelican-sweeper	2017	STS										\$ 150,000	
Ford Service Truck	2010	STS										\$ 95,000	
Walking Floor Trailers (Replace 5 ea yrs)	2016	STS							\$ 719,578	\$ 737,670	\$ 756,112	\$ 771,234	
Taco Yard tractor # 3	2016	STS								\$ 163,000			
Ottowa 30 Commando Switch Trk	2006	STS		\$ 148,000									
Ottowa YT 30 Shuttle Trk	NEW	STS											
Ford 150 Extended Cab	2013	STS			\$ 35,000							\$ 38,720	
Green Box/Containers	New	STS											
Recycling Trailers	New	STS											
New Yard Tractor	2022	STS	\$ 148,000										\$ 171,760
New Yard Tractor	2023	STS		\$ 150,960									
Skid Steer Loader	2020	STS											
SALEM TRANSFER STATION			\$ 148,000	\$ 298,960	\$ 35,000	\$ 265,000	\$ 310,000	\$ 272,950	\$ 719,578	\$ 900,670	\$ 794,832	\$ 1,187,994	
SMITH GAP			\$ 1,112,000	\$ 1,012,114	\$ 799,846	\$ 191,029	\$ 989,712	\$ 765,000	\$ 240,000	\$ 784,800	\$ 1,062,421	\$ 739,357	
TINKER CREEK			\$ 456,953	\$ 702,100	\$ 1,119,039	\$ 111,209	\$ 470,962	\$ 1,000,000	\$ 100,000	\$ 49,900	\$ 524,181	\$ 1,307,115	
GRAND TOTAL			\$ 1,716,953	\$ 2,013,174	\$ 1,953,835	\$ 567,238	\$ 1,770,674	\$ 2,037,950	\$ 1,059,678	\$ 1,735,370	\$ 2,381,434	\$ 3,234,476	
													10 year total \$18,470,832
Date :01/22/21													
By : DDM, SRB, RLH, JG													
Available Funds on July 1, 2021													\$ 17,585
Required funding ten year													\$ 1,845,325

GROUNDWATER PROTECTION FUND

The Groundwater Protection Fund (formerly the Environmental Fund) is established to provide funds, if needed, to address any adverse environmental effects on the surrounding area within the Host Community area that may result from the operation of the Smith Gap Regional Landfill. The fund also serves to assist in complying with post closure and corrective action requirements of state and federal financial assurance regulations.

The existing fund balance is \$500,000 and is adequate for the immediate five-year planning period as shown. No additional deposits are planned at this time.

GROUNDWATER
RESERVE FUND*Groundwater Reserve Fund*

FISCAL YEAR	BEGINNING BALANCE	ANNUAL DEPOSIT	EXPENSES	ENDING BALANCE	USES
1998-99	500,000	0	0	500,000	No Activity
1999-20	500,000	0	0	500,000	No Activity
2000-01	500,000	0	0	500,000	No Activity
2001-02	500,000	0	0	500,000	No Activity
2002-03	500,000	0	0	500,000	No Activity
2003-04	500,000	0	0	500,000	No Activity
2004-05	500,000	0	0	500,000	No Activity
2005-06	500,000	0	0	500,000	No Activity
2006-07	500,000	0	0	500,000	No Activity
2007-08	500,000	0	0	500,000	No Activity
2008-09	500,000	0	0	500,000	No Activity
2009-10	500,000	0	0	500,000	No Activity
2010-11	500,000	0	0	500,000	No Activity
2011-12	500,000	0	0	500,000	No Activity
2012-13	500,000	0	0	500,000	No Activity
2013-14	500,000	0	0	500,000	No Activity
2014-15	500,000	0	0	500,000	No Activity
2015-16	500,000	0	0	500,000	No Activity
2016-17	500,000	0	0	500,000	No Activity
2017-18	500,000	0	0	500,000	No Activity
2018-19	500,000	0	0	500,000	No Planned Uses
2019-20	500,000	0	0	500,000	No Planned Uses
2020-21	500,000	0	0	500,000	No Planned Uses
2021-22	500,000	0	0	500,000	No Planned Uses
2022-23	500,000	0	0	500,000	No Planned Uses
2023-24	500,000	0	0	500,000	No Planned Uses
2024-25	500,000	0	0	500,000	No Planned Uses
2025-26	500,000	0	0	500,000	No Planned Uses
2026-27	500,000	0	0	500,000	No Planned Uses
2027-28	500,000	0	0	500,000	No Planned Uses
2028-29	500,000	0	0	500,000	No Planned Uses
2029-30	500,000	0	0	500,000	No Planned Uses
2030-31	500,000	0	0	500,000	No Planned Uses
2031-32	500,000				

HOST COMMUNITY FUND

The Host Community Fund is established to fund the construction and/or maintenance of public improvements to Authority property for the benefit of the Host Community which is defined as the area within a 5,000 ft. radius of the Smith Gap Regional Landfill property lines. Funded improvements will be established with input from the Host Community and set out in a public improvement plan.

Originally Annual deposits were made in the amount of \$10,000 on a monthly basis with the balance not to exceed \$150,000. However, the Host Community with assistance from the Authority's staff, increased the limit from \$150,000 to \$250,000 in FY 2014. The Host Community is exploring its options for the use of the Host Community Fund. Existing and proposed funds are adequate for the immediate five-year planning period as shown.

<i>Host Community Reserve Fund</i>					
FISCAL YEAR	BEGINNING BALANCE	ANNUAL DEPOSIT	EXPENSES	ENDING BALANCE	USES
1992-93	0	0	0	0	
1993-94	0	8,000	0	8,000	
1994-95	8,000	10,000	0	18,000	
1995-96	18,000	10,000	0	28,000	
1996-97	28,000	10,000	29,385	8,615	Computers (\$25,385), F&R (\$4,000)
1997-98	8,615	10,000	615	18,000	Playground Equipment
1998-99	18,000	10,000	0	28,000	
1999-20	28,000	10,000	0	38,000	
2000-01	38,000	10,000	0	48,000	
2001-02	48,000	10,000	0	58,000	
2002-03	58,000	10,000	0	68,000	
2003-04	68,000	10,000	0	78,000	
2004-05	78,000	10,000	0	88,000	
2005-06	88,000	10,000	0	98,000	
2006-07	98,000	10,000	0	108,000	
2007-08	108,000	10,000	0	118,000	
2008-09	118,000	10,000	0	128,000	
2009-10	128,000	10,000	0	138,000	
2010-11	138,000	10,000	0	148,000	No Planned Uses
2011-12	148,000	10,000	3,681	154,319	Intranet/property
2012-13	154,319	0	4,319	150,000	Intranet/capped
2013-14	150,000	10,000	525	159,475	No Planned Uses
2014-15	159,475	10,000	0	169,475	No Known Uses
2015-16	169,475	10,000	0	179,475	No Known Uses
2016-17	179,475	10,000	0	189,475	No Known Uses
2017-18	189,475	10,000	0	199,475	No Known Uses
2018-19	199,475	10,000	0	209,475	No Known Uses
2019-20	209,475	10,000	0	219,475	No Known Uses
2020-21	219,475	10,000	0	229,475	No Known Uses
2021-22	229,475	10,000	0	239,475	No Known Uses
2022-23	239,475	10,000	0	249,475	No Known Uses
2023-24	249,475	10,000	10,000	249,475	Misc. Expenses
2024-25	249,475	10,000	10,000	249,475	Misc. Expenses
2025-26	249,475	10,000	10,000	249,475	Misc. Expenses
2026-27	249,475	10,000	10,000	249,475	Misc. Expenses
2027-28	249,475	10,000	10,000	249,475	Misc. Expenses
2028-29	249,475	10,000	10,000	249,475	Misc. Expenses
2029-30	249,475	10,000	10,000	249,475	Misc. Expenses
2030-31					
2031-32					

PROPERTY PROTECTION FUND

The Property Protection Fund provides funds for payments under the Property Value Protection Policy to property owners within 5,000 feet of the landfill for any actual decline in property values that may be directly attributed to their proximity to the Smith Gap Regional Landfill, as determined and outlined under the Policy.

The Property Protection Fund balance of \$370,430 is deemed to be sufficient for its intended purpose. Deposits to this fund may also be made from the proceeds of any property purchased and then resold under the terms of the Policy.

Existing funds are adequate for the immediate five-year planning period as shown unless there is a major unforeseen issue arising at the landfill.

Property Protection Reserve Fund

FISCAL YEAR	BEGINNING BALANCE	ANNUAL DEPOSIT	EXPENSES	ENDING BALANCE	USES
1998-99	504,061	0	1,962	502,099	Crawford , Johnson
1999-20	502,099	0	150	501,949	Appraisal - Brunk
2000-01	501,949	0	0	501,949	None
2001-02	501,949	0	125,317	376,632	Crawford , Johnson
2002-03	376,632	0	697	375,935	Miscellaneous
2003-04	375,935	92,258	25,000	443,193	Sale of Crawford, Markle
2004-05	443,193	0	0	443,193	None
2005-06	443,193	0	0	443,193	None
2006-07	443,193	0	0	443,193	None
2007-08	443,193	0	0	443,193	None
2008-09	443,193	0	0	443,193	None
2009-10	443,193	0	0	443,193	None
2010-11	443,193	0	0	443,193	None
2011-12	443,193	0	0	443,193	None
2012-13	443,193	0	0	443,193	None
2013-14	443,193	0	0	443,193	None
2014-15	443,193	0	45,950	397,243	Sale of 8385 Bradshaw Rd
2015-16	397,243	200,000	212,464	384,779	See Note Below
2016-17	384,779	0	150	384,629	Misc Expense
2017-18	384,629	0	0	384,629	None
2018-19	384,629	0	0	384,629	None Projected
2019-20	384,629	0	14199	370,430	8827 Williby Road
2020-21	370,430	0	0	370,430	None Projected
2021-22	370,430	0	0	370,430	None Projected
2022-23	370,430	0	0	370,430	None Projected
2023-24	370,430	0	0	370,430	None Projected
2024-25	370,430	0	0	370,430	None Projected
2025-26	370,430	0	0	370,430	None Projected
2026-27	370,430	0	0	370,430	None Projected
2027-28	370,430	0	0	370,430	None Projected
2028-29	370,430	0	0	370,430	None Projected
2029-30	370,430	0	0	370,430	None Projected
2030-31	370,430				

In FY 2015-2016, RVRA purchased 50 acres contiguous to the landfill although the property was not protected under property protection guidelines.

SITE DEVELOPMENT FUND

The Site Development Fund provides funds for the construction of subsequent phases of the Smith Gap Regional Landfill cells.

For the current planning period, funding levels have been increased to \$1,663,566 due to the increase in guaranteed tonnages and possibly the need to construct Phase VII in FY 2023. In order to better define the cost and the need for Phase VII, staff has moved the engineering to the FY 22. Once the design and approvals are received, staff will have a better construction estimate and understanding of when Phase VII will be needed. If we can move Phase VII construction for one year, all the deficits shown in the short and long range planning period will be minimized substantially with only minor deficits shown. If it is deemed necessary for operational improvements and air space need, there are sufficient funds in the closure reserve account to construct Phase VII.

The amount of air space used is reviewed every year and adjustments are made as necessary.

The Site Development Fund also serves to assist in complying with post-closure requirements of state and federal financial assurance regulations.

<i>Site Development Reserve Fund</i>					
FISCAL YEAR	BEGINNING BALANCE	ANNUAL DEPOSIT	EXPENSES	ENDING BALANCE	USES
1998-99	3,019,000	500,000	314,000	3,205,000	Phase III/IV Construction
1999-20	3,205,000	500,000	914,591	2,790,409	Phase III/IV Construction
2000-01	2,790,409	500,000	660,033	2,630,376	Phase III/IV Construction
2001-02	2,630,376	500,000	104,491	3,025,885	Misc. Engineering
2002-03	3,025,885	500,000	105,973	3,419,912	Misc. Engineering
2003-04	3,419,912	500,000	167,375	3,752,537	Misc. Engineering
2004-05	3,752,537	500,000	47,057	4,205,480	Misc. Engineering
2005-06	4,205,480	500,000	41,582	4,663,898	Misc. Engineering
2006-07	4,663,898	500,000	904,313	4,259,585	Phase V Construction
2007-08	4,259,585	1,500,000	4,414,187	1,345,398	Phase V Construction
2008-09	1,345,398	500,000	1,096,295	749,103	Phase V Construction
2009-10	749,103	300,000	98,985	950,118	Phase V Construction
2010-11	950,118	100,000	0	1,050,118	No Expenditure
2011-12	1,050,118	100,000	0	1,150,118	No Expenditure
2012-13	1,150,118	500,000	0	1,650,118	No Expenditure
2013-14	1,650,118	500,000	0	2,150,118	No Expenditure
2014-15	2,150,118	500,000	0	2,650,118	No Expenditure
2015-16	2,650,118	500,000	0	3,150,118	No Expenditure
2016-17	3,150,118	500,000	598,125	3,051,993	Phase VI Construction
2017-18	3,051,993	700,000	2,576,778	1,175,215	Phase VI Construction
2018-19	1,175,215	850,000	14,235	2,010,980	Stormwater Study
2019-20	2,010,980	400,000	29,735	2,381,245	See Attached
2020-21	2,381,245	0	30,000	2,351,245	See Attached
2021-22	2,351,245	1,663,566	280,000	3,734,811	Phase VII Engineering
2022-23	3,734,811	1,500,000	6,800,000	-1,565,189	Phase VII Construction & PM
2023-24	-1,565,189	1,500,000	0	-65,189	See Attached
2024-25	-65,189	1,500,000	0	1,434,811	See Attached
2025-26	1,434,811	1,500,000	250,000	2,684,811	Phase VIII Engineering
2026-27	2,684,811	1,500,000	5,575,000	-1,390,189	Phase VIII Construction & PM
2027-28	-1,390,189	1,500,000	0	109,811	See Attached
2028-29	109,811	1,500,000	0	1,609,811	See Attached
2029-30	1,609,811	1,500,000	0	3,109,811	See Attached
2030-31	3,109,811	1,500,000	0	4,609,811	See Attached
2031-32	4,609,811				

Notes: 1. An additional deposit of \$1,000,000 was added in FY 2007/2008 to this account from FY 06/07 surplus funds.

SMITH GAP LANDFILL

FISCAL YEAR	ACTIVITY	EXPENSES
2016-17	Phase VI Work started	\$ 904,313
2017-18	Phase VI Completed contruction management	\$ 4,414,187
2018-19	no activity	\$ -
2019-20	no activity	\$ -
2020-21	no activity	\$ -
2021-22	engineering phase VII liner (10.07 ac)	\$ 280,000
2022-23	construction phase VII liner (10.07ac) contruction management (CQ/CA)	\$ 5,900,000 \$ 420,000
2023-24	no activity	\$ -
2024-25	no activity	\$ -

FISCAL YEAR	ACTIVITY	EXPENSES
2025-26	engineering phase VIII liner (8.8 ac)	\$ 250,000
2026-27	construction phase VIII liner (8.8 ac) contruction management	\$ 5,200,000 \$ 375,000
2027-28	no activity	\$ -
2028-29	no activity	\$ -
2029-30	no activity	\$ -
2030-31	no activity	\$ -
estimated costs available funds additional funds required annual deposits required		\$ 12,425,000 \$ 2,351,245 \$ 10,073,755 deposit years 10 \$ 1,007,376
NOTES	Projections based on actual and estimated costs.	

CAPITAL IMPROVEMENT FUND

In FY 2008 - 2009, The Capital Improvement Fund was established by the Authority, outside the Master Indenture of Trust, to be used for various capital maintenance items and new projects anticipated for the short and long-term ten-year planning periods. Examples of the projects include: Concrete floor overlay, re-surfacing all asphalt internal roads and parking lots, replacing the heating and cooling systems, renovation and maintenance of all existing building structures, construction of a residential service area, scale maintenance and possibly a new and additional automated, in-bound scale. Projects may be added or amended as the solid waste operations and industry continues to evolve and funds are available.

Since FY 2020 and before, the Authority had identified several needs/upgrades to include, pavement overlay and slurry sealing, lighting, and fan replacement. All of these items were included in the Tinker Creek Transfer Station modifications to allow for the top loading of trailers and staff is recommending these projects be completed as part of the overall improvements. In reviewing the cost received, the items were considerably less than staff has previously received for each component. Some of the other capital outlay projects with the conversion are no longer needed and will be taken off of future Reports. Staff is anticipating making some office improvements to the Tinker Creek Station next FY if funds are available. Depending on how the modifications are proceeding, staff may issue some change orders to our contractor to take of some of these improvements.

There are no deficits shown in the five-year or ten-year planning period and funding levels are sufficient to fully fund all of the improvements that are identified on the following page. Staff will need to include a budget for pavement overlay of the spur road over a fifteen to twenty year time frame.

The Capital Improvement Fund also serves to assist in complying with post-closure requirements of state and federal financial assurance regulations.

Capital Improvement Reserve Fund

FISCAL YEAR	BEGINNING BALANCE	ANNUAL DEPOSIT	EXPENSES	ENDING BALANCE	USES
2008-09	260,000	200,000	0	460,000	No Planned Uses
2009-10	460,000	200,000	21,356	638,644	SG Dust & Od Control
2010-11	638,644	200,000	319,917	518,727	Tipper & TS Floor
2011-12	518,727	200,000	220,271	498,456	Tipper & Hollins Road
2012-13	498,456	100,000	108,900	489,556	Tipper & Roofing
2013-14	489,556	613,407	109,798	993,165	RSA Engring & Dirt, HVAC
2014-15	993,165	190,000	793,014	390,151	RSA & Roofing TS
2015-16	390,151	390,000	799,828	-19,677	RSA
2016-17	-19,677	390,000	120,314	250,009	RSA
2017-18	250,009	253,133	50,000	453,142	Bond \$ Deposit
2018-19	453,142	860,000	360,514	952,628	Misc Work
2019-20	952,628	0	741,546	211,082	Outbound Scale
2020-21	211,082	0	0	211,082	See Attached
2021-22	211,082	0	150,000	61,082	See Attached
2022-23	61,082	90,000	50,000	101,082	See Attached
2023-24	101,082	90,000	0	191,082	See Attached
2024-25	191,082	90,000	0	281,082	See Attached
2025-26	281,082	90,000	60,000	311,082	See Attached
2026-27	311,082	90,000	0	401,082	See Attached
2027-28	401,082	90,000	250,000	241,082	See Attached
2028-29	241,082	90,000	250,000	81,082	See Attached
2029-30	81,082	90,000	0	171,082	See Attached
2030-31	171,082	90,000	0	261,082	See Attached
2031-32	261,082				

Notes: Funds (\$423,407) from VDOT's purchase of the ROW were deposited in FY 2014
 Funds from Initial Bond debt in FY 2018 deposited to fund Rutrough Road Phase II water line and the stand alone pump station.

CAPITAL IMPROVEMENT
LIST

RUTROUGH ROAD LANDFILL POST-CLOSURE FUND

The Rutrough Road Landfill Post-Closure Fund (RRLF PC Fund) was established with an initial contribution of \$5,500,000 per the terms of the “Implementation Agreement For (i) Distribution and Indemnification Agreement dated October 23, 1991 and (ii) Assignment Agreement dated October 23, 1991.” The sole purpose of the RRLF PC Fund is to provide the funding necessary for the Authority to manage the post-closure care of the closed Rutrough Road Landfill until (i) such time as the funds in the account are depleted; or, (ii) the Authority determines the account is no longer needed for its intended purpose, in which case, any funds remaining in the account shall be available for use by the Authority for any authorized purpose.

The RRLF PC Fund is almost depleted. Funds will remain in the Rutrough road account to cover pump replacement or any other items that may arise. We anticipate that the remaining balance will be depleted this FY or next and this account will be deleted from future Budgets.

ROANOKE VALLEY RESOURCE AUTHORITY
 APPROXIMATE POST-CLOSURE CARE COSTS
 RUTROUGH ROAD LANDFILL
 FOR THE YEARS 1996 THROUGH 2020

Date: January 18, 2021

YEAR	Cap Maint. & ESC	ROAD		G/W		GAS SYST		LEACHATE		TOTAL EXPENSES		INITIAL DEPOSIT		INTEREST INCOME		FUND BALANCE		
		MAINT	MAINT	MISC	MOWING	SAMPLING	O & M	CAPITAL	ADMIN									
1996	\$ 73,594	\$ 44,981	\$ 130,426	\$ 110,107	\$ 1,025,751	\$ 356,144	\$ 3,635,237	\$ 1,384,950	\$ 591,886	\$ 9,224,612	\$ 3,731,629	\$ 367,686	\$ 260,602	\$ 6,452,077	\$ 6,559,161	\$ 6,559,161	\$ 6,559,161	
1997	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,714,607	
1998	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,488,918	
1999	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,641,091	
2000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,682,879	
2001	\$ 5,239	\$ 559	\$ 7,705	\$ -	\$ 57,565	\$ 18,323	\$ 98,018	\$ 35,819	\$ 40,659	\$ 263,887	\$ 6,418,992	\$ 483,446	\$ 6,902,438	\$ -	\$ -	\$ -	\$ -	
2002	\$ -	\$ -	\$ 11,431	\$ -	\$ 50,100	\$ 8,402	\$ 61,006	\$ 4,958	\$ 47,553	\$ 183,450	\$ 6,718,988	\$ 215,808	\$ 6,934,796	\$ -	\$ -	\$ -	\$ -	
2003	\$ 36,853	\$ 21,141	\$ 6,479	\$ -	\$ 44,057	\$ 14,130	\$ 146,909	\$ -	\$ 52,589	\$ 322,159	\$ 6,612,637	\$ 118,499	\$ 6,731,136	\$ -	\$ -	\$ -	\$ -	
2004	\$ -	\$ -	\$ 7,231	\$ 5,347	\$ 83,773	\$ 11,443	\$ 178,053	\$ 108,874	\$ 59,301	\$ 454,021	\$ 6,277,115	\$ 87,268	\$ 6,364,383	\$ -	\$ -	\$ -	\$ -	
2005	\$ 3,800	\$ -	\$ 10,295	\$ 5,347	\$ 74,232	\$ 19,543	\$ 327,074	\$ 283,422	\$ 62,665	\$ 786,379	\$ 5,578,005	\$ 86,747	\$ 5,664,751	\$ -	\$ -	\$ -	\$ -	
2006	\$ -	\$ -	\$ 9,694	\$ 5,347	\$ 59,511	\$ 11,493	\$ 218,653	\$ 83,006	\$ 67,205	\$ 454,908	\$ 5,209,843	\$ 181,687	\$ 5,391,530	\$ -	\$ -	\$ -	\$ -	
2007	\$ -	\$ -	\$ 2,627	\$ 5,880	\$ 32,548	\$ 25,751	\$ 244,000	\$ -	\$ -	\$ 307,230	\$ 5,084,300	\$ 249,892	\$ 5,104,903	\$ -	\$ -	\$ -	\$ -	
2008	\$ -	\$ 3,500	\$ 16,682	\$ 6,500	\$ 34,172	\$ 9,480	\$ 129,604	\$ 27,736	\$ -	\$ 378,869	\$ 5,104,903	\$ 230,103	\$ 5,059,804	\$ -	\$ -	\$ -	\$ -	
2009	\$ -	\$ 1,658	\$ 4,202	\$ 8,815	\$ 43,774	\$ 17,230	\$ 187,143	\$ -	\$ -	\$ 262,822	\$ 4,842,081	\$ 104,100	\$ 4,901,082	\$ -	\$ -	\$ -	\$ -	
2010	\$ 19,927	\$ 3,491	\$ 32,078	\$ 8,815	\$ 112,082	\$ 30,869	\$ 327,489	\$ -	\$ -	\$ 534,751	\$ 4,366,331	\$ 25,384	\$ 4,391,715	\$ -	\$ -	\$ -	\$ -	
2011	\$ 7,775	\$ -	\$ 2,794	\$ 8,815	\$ 72,618	\$ 37,574	\$ 221,058	\$ 335,178	\$ 125,000	\$ 810,812	\$ 3,580,903	\$ 15,900	\$ 3,596,803	\$ -	\$ -	\$ -	\$ -	
2012	\$ -	\$ 6,456	\$ 4,410	\$ 8,905	\$ 58,716	\$ 33,548	\$ 323,970	\$ 125,000	\$ 561,005	\$ 3,035,798	\$ 9,261	\$ 3,045,059	\$ -	\$ -	\$ -	\$ -		
2013	\$ -	\$ -	\$ 2,056	\$ 12,254	\$ 80,760	\$ 26,184	\$ 206,912	\$ 56,992	\$ 385,158	\$ 2,659,901	\$ 7,470	\$ 2,667,371	\$ -	\$ -	\$ -	\$ -		
2014	\$ -	\$ 2,149	\$ 5,297	\$ 21,159	\$ 48,575	\$ 30,501	\$ 359,747	\$ 21,783	\$ 11,914	\$ 501,125	\$ 2,166,246	\$ 6,820	\$ 2,173,066	\$ -	\$ -	\$ -	\$ -	
2015	\$ -	\$ -	\$ 3,291	\$ 3,450	\$ 98,177	\$ 33,069	\$ 299,200	\$ -	\$ -	\$ 437,187	\$ 1,735,879	\$ 8,019	\$ 1,743,898	\$ -	\$ -	\$ -	\$ -	
2016	\$ -	\$ 6,027	\$ 4,155	\$ 9,475	\$ 75,090	\$ 28,604	\$ 306,400	\$ -	\$ -	\$ 429,751	\$ 1,314,147	\$ 7,993	\$ 528,192	\$ -	\$ -	\$ -	\$ -	
2017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 528,192	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
2018	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 528,192	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
2019	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 427,182	\$ 101,010	\$ 102,196	\$ -	\$ -	\$ -	\$ -	\$ -	
2020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (15,444)	\$ 86,752	\$ 719	\$ 87,471	\$ -	\$ -	\$ -	\$ -	
2021	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (11,840)	\$ 75,631	\$ 719	\$ 76,350	\$ -	\$ -	\$ -	\$ -	
2022	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TOTAL	\$ 73,594	\$ 44,981	\$ 130,426	\$ 110,107	\$ 1,025,751	\$ 356,144	\$ 3,635,237	\$ 1,384,950	\$ 591,886	\$ 9,224,612	\$ 3,731,629							

**ROANOKE VALLEY RESOURCE AUTHORITY
POST-CLOSURE CARE ESTIMATES
RUTROUGH ROAD LANDFILL
FOR THE YEARS 2017 THROUGH 2026
ASSUMED END OF POST CLOSURE CARE**

For Information Only

The post closure care activities were transferred to the Authority's operating budget for FY 2019. The remaining post closure care funds are being used to comply with a DEQ letter of compliance. Please see project status reports.

Ende remaining for each force main and lift station

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CONTINGENCY FUND

The purpose of the Contingency Fund is to provide (i) rate stabilization on an annual basis; and (ii) emergency funding for unforeseen increases in expenses or decreases in revenues.

All reasonable efforts will be made to maintain a minimum balance in the Contingency Fund equal to 8-10% of the Authority's total annual operating budget for the current fiscal year. As noted in earlier in this report, if funding from VRA is authorized and the Board approves the conversion to the Rail Spur and Tinker Creek Project, these funds will be utilized to pay the tipping fee at the New River Valley Resource Authority. The Spur Project is anticipated to be substantially completed within four months and staff has estimated that approximately \$2,622,573 will be used during the construction of the spur. We anticipate the balance to be somewhere around the \$953,000 of which will not meet the 8-10% goal; however, staff believes that this is acceptable for the short term and that the contingency fund will be well funded in future budgets.

The Contingency Fund also serves to assist in complying with post-closure requirements of state and federal financial assurance regulations.

CONTINGENCY RESERVE FUND

FISCAL YEAR	BEGINNING BALANCE	DEPOSITS	TRANSFERS	BALANCE	COMMENTS
1993-1994	0	296,864	0	296,864	Surplus from Operations
1994-1995	296,864	836,358	0	1,133,222	Surplus from Operations
1995-1996	1,133,222	989,940	0	2,123,162	Surplus from Operations
1996-1997	2,123,162	335,254	0	2,458,416	Surplus from Operations
1997-1998	2,458,416	0	920,000	1,538,416	Transfer to Site Development
1997-1998	1,538,416	243,053	0	1,781,469	Transfer from Recycling Fund
1997-1998	1,781,469	1,017,184	0	2,798,653	Surplus from Operations
1998-1999	2,798,653	1,216,266	0	4,014,919	Surplus from Operations
1999-2000	4,014,919	1,808,425	0	5,823,344	Surplus from Operations
2000-2001	5,823,344	1,363,227	0	7,186,571	Surplus from Operations
2001-2002	7,186,571	0	494,012	6,692,559	Deficit from Operations
2002-2003	6,692,559	0	451,845	6,240,714	Deficit from Operations
2003-2004	6,240,714	224,069	0	6,464,783	Surplus from Operations
2004-2005	6,464,783	18,773	0	6,483,556	Surplus from Operations
2005-2006	6,483,556	276,040	0	6,759,596	Surplus from Operations
2006-2007	6,759,596	0	783,555	5,976,041	Transfer to Operating Budget
2007-2008	5,976,041	0	926,499	5,049,542	Transfer to Operating Budget
2007-2008	5,049,542	873,246	0	5,922,788	Surplus from Operations
2008-2009	5,922,788	0	1,289,635	4,633,153	Transfer to Operating Budget
2008-2009	4,633,153	70,441	0	4,703,594	Surplus from Operations
2009-2010	4,703,594	0	2,053,044	2,650,550	Transfer to Operating Budget
2009-2010	2,650,550	637,465	0	3,288,015	Surplus from Operations
2010-2011	3,288,015	0	3,171,248	116,767	Transfer to Pay Bond Debt
2010-2011	116,767	244,082	0	360,849	Surplus from Operations
2011-2012	360,849	244,000	0	604,849	Transfer from Post Development
2011-2012	604,849	1,140,111	0	1,744,960	Surplus from Operations
2012-2013	1,744,960	0	490,991	1,253,969	Transfer to Operating Budget
2012-2013	1,253,969	0	62,130	1,191,839	Transfer for Residential Area
2012-2013	1,191,839	425,662	0	1,617,501	Surplus from Operations
2013-2014	1,617,501	0	405,405	1,212,096	Transfer to Operating Budget
2013-2014	1,212,096	543,103	0	1,755,199	Surplus from Operations
2014-2015	1,755,199	0	456,323	1,298,876	Transfer to Operating Budget
2014-2015	1,298,876	812,290	0	2,111,166	Surplus from Operations
2015-2016	2,111,166	0	200,000	1,911,166	Transfer to Property Protection
2015-2016	1,911,166	0	434,974	1,476,192	Transfer to Operating Budget
2015-2016	1,476,192	986,254	0	2,462,446	Surplus from Operations
2016-2017	2,462,446	1,095,038	0	3,557,484	Surplus from Operations
2017-2018	3,557,484	1,246,947	0	4,804,431	Surplus from Operations
2018-2019	4,804,431	0	1,081,298	3,723,133	Deficit & transfer to Operations
2019-2020	3,723,133	0	0	3,723,133	Transfer to Operating Budget
2020-2021	3,723,133	0	147,572	3,575,561	Transfer to Operating Budget
2021-2022	3,575,561	0	0	3,575,561	Transfer to Operating Budget

Contingency Funds Available \$ 3,575,561

Proposed Transfer for FY 2020-2021 Budget \$ 147,572

Contingency Balance \$ 3,427,989