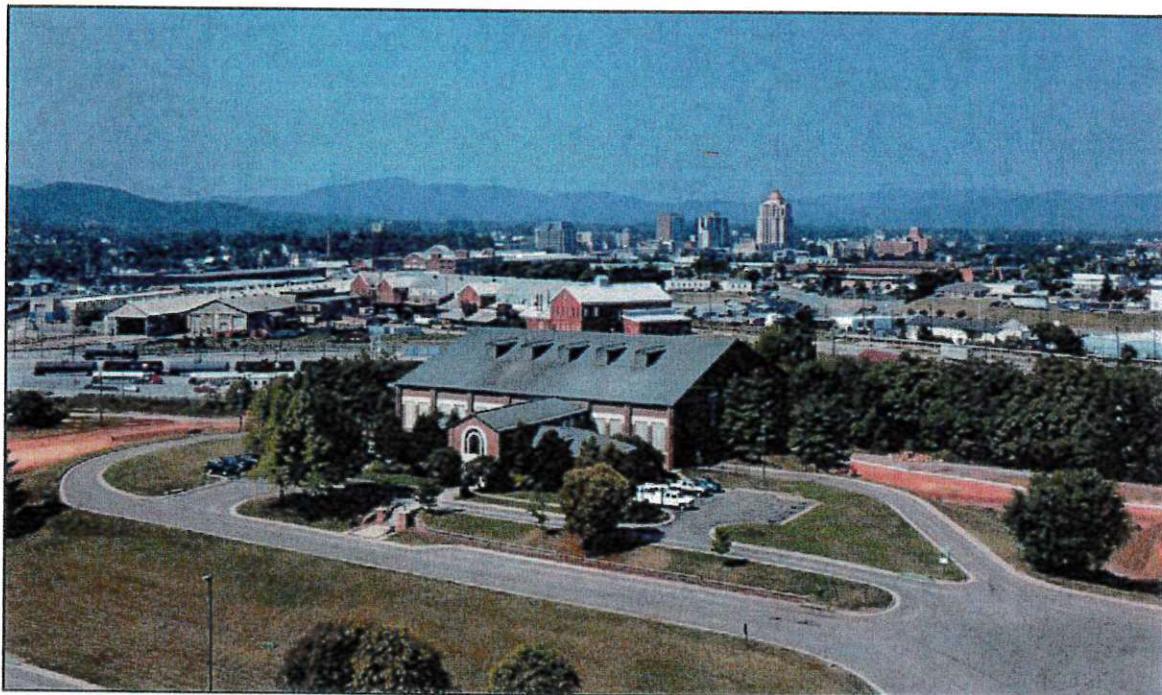


ROANOKE VALLEY RESOURCE AUTHORITY

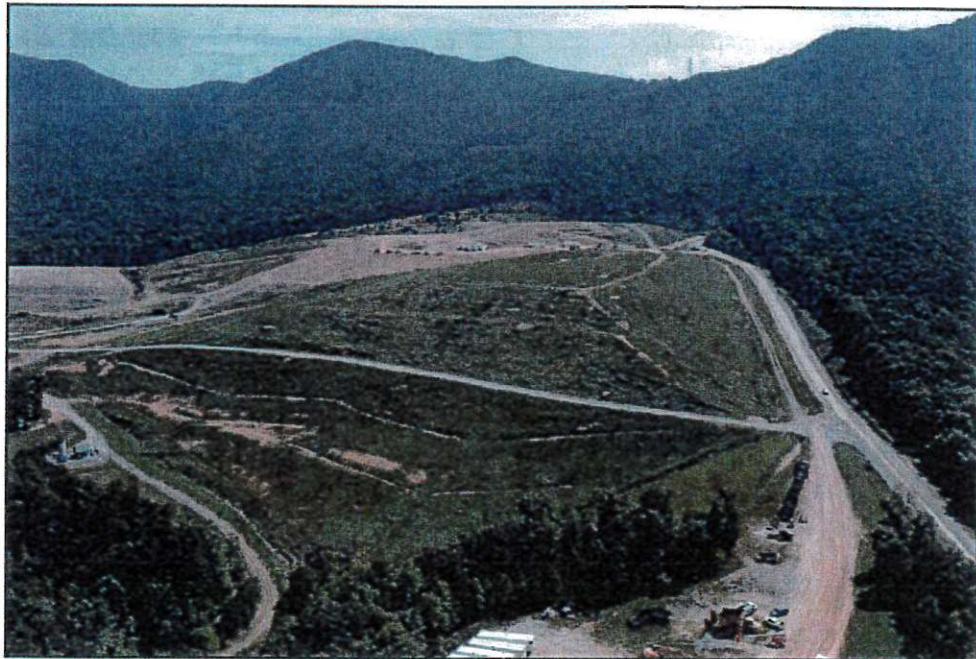
FY 2023-24
ANNUAL
OPERATING &
RESERVES
BUDGET



TINKER CREEK TRANSFER STATION

ROANOKE VALLEY RESOURCE AUTHORITY

2023-24
OPERATING
BUDGET



SMITH GAP LANDFILL

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REVENUE

2023-2024

Disposal Fees	\$ 15,688,893
Interest Income	\$ 100,000
Transfer from Contingency Reserve Fund	\$ -
Sale of Recyclable Material	\$ 50,000
Miscellaneous - Mulch	\$ 50,000
Miscellaneous Sales	\$ 24,900
	Total \$ 15,913,793

EXPENSES

Personnel

Administrative	\$ 1,111,567
Tinker Creek Transfer Station	\$ 952,889
Salem Transfer Station	\$ 652,407
Smith Gap	\$ 1,000,505

Totals

\$ 3,717,368

Operating

Administrative	\$ 1,134,959
Tinker Creek Transfer Station	\$ 2,744,679
Salem Transfer Station	\$ 1,986,993
Smith Gap	\$ 2,207,495

Totals

\$ 8,074,125

CAPITAL

Totals

\$ -

RESERVES

Administrative	\$ -
Tinker Creek Transfer Station	\$ 138,720
Salem Transfer Station	\$ 76,240
Smith Gap	\$ 2,006,793

Totals

\$ 2,221,753

DEBT SERVICE

Principal \$ 1,158,253

Interest \$ 742,294

Totals

\$ 1,900,547

\$ 1,900,547

TOTALS

Administrative	\$ 2,246,526
Tinker Creek Transfer Station	\$ 3,836,287
Salem Transfer Station	\$ 2,715,641
Smith Gap	\$ 5,214,792
Debt Service	\$ 1,900,547

Total \$ 15,913,793

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REVENUE						
Disposal Fees	\$12,583,250	\$12,656,250	\$12,147,125	\$14,681,825	\$14,651,255	\$15,688,893
Interest Income	\$ 100,000	\$ 140,000	\$ 150,000	\$ 50,000	\$ 5,000	\$ 100,000
Transfer from Contingency Reserve Fund	\$ 21,161	\$ 897,436	\$ 147,572	\$ -	\$ -	\$ -
Sale of Recyclable Material	\$ 45,000	\$ 52,000	\$ 60,000	\$ 68,000	\$ 125,000	\$ 50,000
Mulch sales	\$ 42,000	\$ 42,000	\$ 45,000	\$ 50,000	\$ 50,000	\$ 50,000
Miscellaneous	\$ -	\$ 46,000	\$ 47,900	\$ 24,900	\$ 24,900	\$ 24,900
TOTAL	\$12,791,411	\$13,833,686	\$12,597,597	\$14,874,725	\$14,856,155	\$15,913,793
EXPENSES						
Personnel	\$ 3,054,035	\$ 3,255,069	\$ 3,295,455	\$ 3,332,196	\$ 3,519,781	\$ 3,717,368
Operating	\$ 6,700,794	\$ 8,606,178	\$ 8,014,111	\$ 6,635,818	\$ 7,110,754	\$ 8,074,125
Capital	\$ -	\$ 85,000	\$ -	\$ -	\$ -	\$ -
Transfer to Reserves	\$ 1,760,000	\$ 610,000	\$ 10,000	\$ 3,122,725	\$ 2,326,674	\$ 2,221,753
Debt Service	\$ 1,276,582	\$ 1,277,439	\$ 1,278,031	\$ 1,783,986	\$ 1,898,946	\$ 1,900,547
TOTAL	\$12,791,411	\$13,833,686	\$12,597,597	\$14,874,725	\$14,856,155	\$15,913,793
DISPOSAL FEES						
Municipal \$ per ton	51.50	53.50	53.50	53.50	55.00	55.00
Private \$ per ton	61.50	61.50	62.75	62.75	64.50	65.75
% INCREASE in expenses	-2.2%	8.1%	-8.9%	18.1%	-0.1%	7.1%

CODE	DESCRIPTION	FY22-23	FY23-24	JUSTIFICATION
9202	Total Tipping Fees	\$14,651,255	\$15,688,893	Based on tonnage receipts of : 211,150 Municipal 97,200 tons \$ 5,632,330 Commercial 64,550 tons \$ 4,290,188 Private 37,000 tons \$ 2,779,225 Residential 12,400 tons \$ 716,300 Contracted MSW 80,000 tons \$ 2,270,850
				Total \$ 15,688,893
15100	Interest Income	\$ 5,000	\$ 100,000	Operating & Other Reserve \$ 100,000
40956	Transfer from Contingency Reserve Fund	\$ -	\$ -	Funds available from Contingency Reserve
16916	Sale of Recyclable Material	\$ 125,000	\$ 50,000	Sale of Recyclable Scrap Metal & Miscellaneous
18120	Mulch Revenue	\$ 50,000	\$ 50,000	Mulch Sales
18100	Miscellaneous Revenue	\$ 24,900	\$ 24,900	MVP Annual Easement Fee \$ 24,900 Misc. Use Fees \$ -
				Total \$ 24,900
	TOTAL REVENUE	\$14,856,155	\$15,913,793	

TIPPING FEES

CODE	DESCRIPTION	FY22-23	FY23-24	JUSTIFICATION		
16906	City of Roanoke	\$ 2,370,500	\$ 2,377,600	Municipal Waste 41,000 tons @ 55.0	\$ 2,255,000	
				Wood Waste 2,900 tons @ 37	\$ 107,300	
				Tires 60 tons @ 255	\$ 15,300	
				- mixed @ 5	\$ -	
				City of Roanoke Total	\$ 2,377,600	
16907	County of Roanoke	\$ 2,186,600	\$ 2,193,400	Municipal Waste 37,000 tons @ 55.0	\$ 2,035,000	
				Wood Waste 4,000 tons @ 37	\$ 148,000	
				Tires 40 tons @ 255	\$ 10,200	
				40 mixed @ 5	\$ 200	
				County of Roanoke Total	\$ 2,193,400	
16908	Town of Vinton	\$ 181,040	\$ 181,180	Municipal Waste 3,200 tons @ 55.0	\$ 176,000	
				Wood Waste 140 tons @ 37	\$ 5,180	
				Tires - tons @ 255	\$ -	
				- mixed @ 5	\$ -	
				Town of Vinton Total	\$ 181,180	
16911	City Of Salem	\$ 880,150	\$ 880,150	Municipal Waste 16,000 tons @ 55.0	\$ 880,000	
				Wood Waste - tons @ 37	\$ -	
				Tires - tons @ 255	\$ -	
				30 mixed @ 5	\$ 150	
				City of Salem Total	\$ 880,150	

2023-2024 BUDGET

TIPPING FEES

CODE	DESCRIPTION	FY22-23	FY23-24	JUSTIFICATION
16914	Commercial	\$ 4,206,675	\$ 4,290,188	Commercial Waste 64,550 tons @ 65.75 \$ 4,244,163 Wood Waste 1,000 tons @ 37 \$ 37,000 Tires 20 tons @ 255 \$ 5,100 785 mixed @ 5 \$ 3,925 Commercial Total \$ 4,290,188
16914	Contracted Municipal Solid Waste	\$ 1,440,340	\$ 2,270,850	Contracted MSW 80,000 CW tons @ 28.11 \$ 2,248,800 500 RDS tons @ 44.10 \$ 22,050 Contracted MSW \$ 2,270,850
16915	Private	\$ 2,669,650	\$ 2,779,225	Private Waste 37,000 tons @ 65.75 \$ 2,432,750 Wood Waste 3,400 tons @ 37 \$ 125,800 Tires 850 tons @ 255 \$ 216,750 785 mixed @ 5 \$ 3,925 Private Total \$ 2,779,225
16917	Residential	\$ 716,300	\$ 716,300	Residential Waste Based on Uniform Disposal Allocation City of Roanoke 43.5% \$ 311,591 County of Roanoke 41.7% \$ 298,697 Town of Vinton 3.6% \$ 25,787 City of Salem 11.2% \$ 80,297 Household 12,400 Tons @ \$55.0 \$ 682,000 Wood waste 800 Tons @ \$37 \$ 28,800 Tires 1,100 Tires @ \$5 \$ 5,500 Residential Total \$ 716,300
	TOTAL TIPPING FEES	\$14,651,255	\$15,688,893	

CODE	DESCRIPTION	FY22-23	FY23-24	JUSTIFICATION		
101010	Salaries	\$ 2,258,669	\$ 2,394,716	Salaries for 41 employees position for 3 months of FY 23-24.		
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.	\$ 183,575	\$ 193,982	7.65 % of salaries, overtime, part time		
202200	Retirement - VRS	\$ 360,709	\$ 382,436	15.97 % of salaries 41 employees \$ 2,394,716		
202840	Deferred Comp. Match	\$ 26,000	\$ 26,650	\$25 per pay period 41 employees		
202203	Retirement - VRS- Plan 2	\$ -	\$ -	15.97 % of salaries 0 employees \$ -		
202205	Retirement - VRS- Hybrid	\$ -	\$ -	15.97 % of salaries 0 employees \$ -		
202300	Hospitalization	\$ 319,905	\$ 304,840	41 participating employees 5.0% Annual \$ single 36 \$ 233,633 em&sp 1 \$ 9,687 family 2 \$ 24,868 Em & Ch 2 \$ 15,153 HRA \$ 21,500		
202310	Dental	\$ 17,760	\$ 19,114	41 participating employees @ \$39 per month		
202400	Life Insurance - VRS	\$ 30,266	\$ 32,089	1.34 % of salaries 41 employees \$ 2,394,716		
202500	Long Term Disability Ins.	\$ 6,663	\$ 7,064	0.59% salaries RVRA pays 50% \$7,064		
202510	Short Term Disability Ins.	\$ 2,000	\$ 2,000	RVRA pays 100%		
202700	Workers' Comp. Ins.	\$ 60,482	\$ 56,738	Workers' Comp. Insurance 41 employees		
202750	Retirement Health Insurance Credit	\$ 6,776	\$ 7,184	0.30 % of salaries 41 employees \$ 2,394,716		
202800	Termination Pay	\$ 65,000	\$ 65,000	Flex Leave and Banked Sick Leave Payments		
202810	Cash-in FLP	\$ 37,974	\$ 81,553	Flexible Leave pay out		
202830	Employee Benefits	\$ 3,000	\$ 3,000	Retiree Health Insurance		
	TOTAL PERSONNEL	\$ 3,519,781	\$ 3,717,368			

CODE	DESCRIPTION	FY22-23	FY23-24	JUSTIFICATION
101010	Salaries	\$ 651,398	\$ 742,953	Salaries for 7 employees *Additional CEO salary included to account for a 41st position for 3 months of FY 23-24.
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.	\$ 49,832	\$ 56,836	7.65 % of salaries, overtime, part time
202200	Retirement - VRS	\$ 104,028	\$ 118,650	15.97 % of salaries 5 employees \$ 742,953
202840	Deferred Comp. Match	\$ 3,900	\$ 4,550	\$25 per pay period 7 employees
202203	Retirement - VRS- Plan 2	\$ -	\$ -	15.97 % of salaries 0 employees \$ -
202205	Retirement - VRS- Hybrid	\$ -	\$ -	15.97 % of salaries 2 employees \$ -
202300	Hospitalization	\$ 50,940	\$ 54,967	7 participating employees 5.0% Annual \$ single 6 \$ 38,533 em&sp 0 \$ - family 1 \$ 12,434 Hm & Ch 0 \$ - HRA \$ 4,000
202310	Dental	\$ 2,664	\$ 3,263	7 participating employees @ \$39 per month
202400	Life Insurance - VRS	\$ 8,729	\$ 9,956	1.34 % of salaries 7 employees \$ 742,953
202500	Long Term Disability Ins.	\$ 1,922	\$ 2,192	0.59% salaries RVRA pays 50% \$2,192
202510	Short Term Disability Ins.	\$ 300	\$ 341	RVRA pays 100%
202700	Workers' Comp. Ins.	\$ 586	\$ 669	Workers' Comp. Insurance 7 employees
202750	Retirement Health Insurance Credit	\$ 1,954	\$ 2,229	0.30 % of salaries 7 employees \$ 742,953
202800	Termination Pay	\$ 65,000	\$ 65,000	Annual and sick leave payments
202810	Cash-in FLP	\$ 8,126	\$ 49,449	Flexible Leave pay out
202830	Employee Benefits	\$ 450	\$ 512	Retiree Health Insurance
	TOTAL PERSONNEL	\$ 949,829	\$1,111,567	

CODE	DESCRIPTION	FY22-23	FY23-24	JUSTIFICATION		
101010	Salaries	\$ 577,138	\$ 589,688	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.	\$ 50,195	\$ 51,155	7.65 % of salaries, overtime, part time		
202200	Retirement - VRS	\$ 92,169	\$ 94,173	15.97 % of salaries 12 employees	\$ 589,688	
202840	Deferred Comp. Match	\$ 7,800	\$ 7,800	\$25 per pay period	12 employees	
202203	Retirement - VRS- Plan 2	\$ -	\$ -	15.97 % of salaries 0 employees	\$ -	
202205	Retirement - VRS- Hybrid	\$ -	\$ -	15.97 % of salaries 0 employees	\$ -	
202300	Hospitalization	\$ 88,597	\$ 83,067	12 participating employees 5.0% single 12 em&sp 0 family 0 Em & Ch 0 HRA	\$ 77,067	Annual \$ 6,000
202310	Dental	\$ 5,328	\$ 5,594	12 participating employees @ \$39 per month		
202400	Life Insurance - VRS	\$ 7,734	\$ 7,902	1.34 % of salaries 12 employees	\$ 589,688	
202500	Long Term Disability Ins.	\$ 1,703	\$ 1,740	0.59% salaries	RVRA pays 50%	\$1,740
202510	Short Term Disability Ins.	\$ 600	\$ 585		RVRA pays 100%	
202700	Workers' Comp. Ins.	\$ 20,442	\$ 17,067	Workers' Comp. Insurance	12 employees	
202750	Retirement Health Insurance Credit	\$ 1,731	\$ 1,769	0.30 % of salaries 12 employees	\$ 589,688	
202800	Termination Pay	\$ -	\$ -	Annual and sick leave payments		
202810	Cash-in FLP	\$ 5,876	\$ 12,471	Flexible Leave pay out		
202830	Employee Benefits	\$ 900	\$ 878	Retiree Health Insurance		
	TOTAL PERSONNEL	\$ 939,211	\$ 952,889			

CODE	DESCRIPTION	FY22-23	FY23-24	JUSTIFICATION
101010	Salaries	\$ 403,479	\$ 422,191	Salaries for 8 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.	\$ 32,932	\$ 34,363	7.65 % of salaries, overtime, part time
202200	Retirement - VRS	\$ 64,436	\$ 67,424	15.97 % of salaries 8 employees \$ 422,191
202840	Deferred Comp. Match	\$ 5,200	\$ 5,200	\$25 per pay period 8 employees
202203	Retirement - VRS- Plan 2	\$ -	\$ -	15.97 % of salaries employees \$ -
202205	Retirement - VRS- Hybrid	\$ -	\$ -	15.97 % of salaries employees \$ -
202300	Hospitalization	\$ 74,092	\$ 57,032	8 participating employees 5.0% Annual \$ single 7 \$ 44,956 em&sp 0 \$ - family 0 \$ - Em & Ch 1 \$ 7,577 HRA \$ 4,500
202310	Dental	\$ 3,552	\$ 3,730	8 participating employees @ \$39 per month
202400	Life Insurance - VRS	\$ 5,407	\$ 5,657	1.34 % of salaries 8 employees \$ 422,191
202500	Long Term Disability Ins.	\$ 1,190	\$ 1,245	0.59% salaries RVRA pays 50% \$1,245
202510	Short Term Disability Ins.	\$ 400	\$ 390	RVRA pays 100%
202700	Workers' Comp. Ins.	\$ 15,453	\$ 14,494	Workers' Comp. Insurance 8 employees
202750	Retirement Health Insurance Credit	\$ 1,210	\$ 1,267	0.30 % of salaries 8 employees \$ 422,191
202800	Termination Pay	\$ -	\$ -	Annual and sick leave payments
202810	Cash-in FLP	\$ 10,960	\$ 11,828	Flexible Leave pay out
202830	Employee Benefits	\$ 600	\$ 585	Retiree Health Insurance
	TOTAL PERSONNEL	\$ 645,911	\$ 652,407	

CODE	DESCRIPTION	FY22-23	FY23-24	JUSTIFICATION	
101010	Salaries	\$ 626,654	\$ 639,883	Salaries for 14 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.	\$ 50,617	\$ 51,629	7.65 % of salaries, overtime, part time	
202200	Retirement - VRS	\$ 100,077	\$ 102,189	15.97 % of salaries	14 employees \$ 639,883
202840	Deferred Comp. Match	\$ 9,100	\$ 9,100	\$25 per pay period	14 employees
202203	Retirement - VRS- Plan 2	\$ -	\$ -	15.97 % of salaries	0 employees \$ -
202205	Retirement - VRS- Hybrid	\$ -	\$ -	15.97 % of salaries	0 employees \$ -
202300	Hospitalization	\$ 106,276	\$ 109,774	14 participating employees	5.0% Annual \$ single 11 \$ 73,077 em&sp 1 \$ 9,687 family 1 \$ 12,434 Em & Ch 1 \$ 7,577 HRA \$ 7,000
202310	Dental	\$ 6,216	\$ 6,527	14 participating employees @	\$39 per month
202400	Life Insurance - VRS	\$ 8,397	\$ 8,574	1.34 % of salaries	14 employees \$ 639,883
202500	Long Term Disability Ins.	\$ 1,849	\$ 1,888	0.59% salaries	RVRA pays 50% \$1,888
202510	Short Term Disability Ins.	\$ 700	\$ 683		RVRA pays 100%
202700	Workers' Comp. Ins.	\$ 24,001	\$ 24,508	Workers' Comp. Insurance	14 employees
202750	Retirement Health Insurance Credit	\$ 1,880	\$ 1,920	0.30 % of salaries	14 employees \$ 639,883
202800	Termination Pay	\$ -	\$ -	Annual and sick leave payments	
202810	Cash-in FLP	\$ 13,013	\$ 7,806	Flexible Leave pay out	
202830	Employee Benefits	\$ 1,050	\$ 1,024	Retiree Health Insurance	
	TOTAL PERSONNEL	\$ 984,829	\$ 1,000,505		

CODE	DESCRIPTION	FY23-24	AD	TCTS	STS	SG
101010	Salaries	\$ 2,394,716	\$ 742,953	\$ 589,688	\$ 422,191	\$ 639,883
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.	\$ 193,982	\$ 56,836	\$ 51,155	\$ 34,363	\$ 51,629
202200	Retirement - VRS	\$ 382,436	\$ 118,650	\$ 94,173	\$ 67,424	\$ 102,189
202840	Deferred Comp. Match	\$ 26,650	\$ 4,550	\$ 7,800	\$ 5,200	\$ 9,100
202203	Retirement - VRS Plan 2	\$ -	\$ -	\$ -	\$ -	\$ -
202205	Retirement - VRS Hybrid	\$ -	\$ -	\$ -	\$ -	\$ -
202300	Hospitalization	\$ 304,840	\$ 54,967	\$ 83,067	\$ 57,032	\$ 109,774
202310	Dental	\$ 19,114	\$ 3,263	\$ 5,594	\$ 3,730	\$ 6,527
202400	Life Insurance - VRS	\$ 32,089	\$ 9,956	\$ 7,902	\$ 5,657	\$ 8,574
202500	Long Term Disability Ins.	\$ 7,064	\$ 2,192	\$ 1,740	\$ 1,245	\$ 1,888
202510	Short Term Disability Ins.	\$ 2,000	\$ 341	\$ 585	\$ 390	\$ 683
202700	Workers' Comp. Ins.	\$ 56,738	\$ 669	\$ 17,067	\$ 14,494	\$ 24,508
202750	Retirement Health Insurance Credit	\$ 7,184	\$ 2,229	\$ 1,769	\$ 1,267	\$ 1,920
202800	Termination Pay	\$ 65,000	\$ 65,000	\$ -	\$ -	\$ -
202810	Cash-in FLP	\$ 81,553	\$ 49,449	\$ 12,471	\$ 11,828	\$ 7,806
202830	Employee Benefits	\$ 3,000	\$ 512	\$ 878	\$ 585	\$ 1,024
TOTAL PERSONNEL		\$ 3,717,368	\$ 1,111,567	\$ 952,889	\$ 652,407	\$ 1,000,505

PERSONNEL

POSITION	#	GRADE	CURRENT PAY RANGE				
Director of Operations Technical Services	1	37	\$ 82,554	to	\$ 131,261		
Director of Operation Field Services	1	37	\$ 82,554	to	\$ 131,261		
Finance Manager	1	36	\$ 78,623	to	\$ 125,011		
Business Manager	1	30	\$ 58,670	to	\$ 93,285		
Operations Manager	4	27	\$ 50,681	to	\$ 80,583		
Administrative Coordinator	1	25	\$ 45,969	to	\$ 73,091		
Facilities Technician	1	23	\$ 41,696	to	\$ 66,296		
Operations Supervisor	4	23	\$ 41,696	to	\$ 66,296		
Senior Equipment Operator	3	22	\$ 39,710	to	\$ 63,139		
Motor Equipment Operator II	16	19	\$ 34,303	to	\$ 54,542		
Scale Operator	2	19	\$ 34,303	to	\$ 54,542		
Motor Equipment Operator I	4	17	\$ 31,114	to	\$ 49,471		
TOTAL SALARIES*	41		\$ 2,280,682		1/3/2023		
*Additional CEO salary included to account for a 41st position for 3 months of FY 23-24.							
Average Adjustments (5%):							
			Increases	\$ 114,034			
Average Adjustment/Promotions							
			Total	\$ 114,034			
TOTAL ADJUSTED SALARIES							
				\$ 2,394,716			
2023 - 2024 BUDGET							

PERSONNEL**EMPLOYEE BY LOCATION**

POSITION	#	GRADE	ADMIN.	TINKER	SALEM	LANDFILL
CEO	2	U	2	0	0	0
Director of Operations Technical Services	1	37	1	0	0	0
Director of Operation Field Services	1	37	1	0	0	0
Finance Manager	1	36	1	0	0	0
Business Manager	1	30	1	0	0	0
Operations Manager	4	27	0	2	1	1
Administrative Coordinator	1	25	1	0	0	0
Facilities Technician	1	23	0	1	0	0
Operations Supervisor	4	23	0	2	1	1
Senior Equipment Operator	3	22	0	1	1	1
Motor Equipment Operator II	16	19	0	4	4	8
Scale Operator	2	19	0	1	1	0
Motor Equipment Operator I	4	17	0	1	0	3
TOTAL EMPLOYEES	41		7	12	8	14

*Additional CEO salary included to account for a 41st position for 3 months of FY 23-24.

2023 - 2024 BUDGET

CODE	DESCRIPTION	FY22-23	FY23-24	JUSTIFICATION
300004	Medical Exams	\$ 2,000	\$ 2,000	Physical exams for new employees; drug and alcohol random testing, more testing
300007	Contract Services	\$ 616,677	\$ 678,000	Employee Assistance Program: $\$17.00 @ x 41 \text{ employees}$ \$ 697 Clean Valley Council-Annual \$ 35,000 Landscaping- \$520/month \$ 6,240 Tire Disposal - 870 Tons @ \$ 133,980 Copier Rental $\$790.00 /Month$ \$ 9,480 HHW Disposal \$ 66,808 Janitorial Services \$ 48,000 Exterminating Services \$ 2,781 Letter of Credit \$ 125,000 Tire Transportation \$ 52,000 Propeller Survey Processing \$ 6,000 Salem Bond Debt \$ 192,014
300100	Groundwater Sampling and Analysis -SG & RR	\$ 151,730	\$ 158,480	Residential Drinking Water Sampling $24 @ \$735$ \$ 16,800 Detection Monitoring-Lab \$ 3,245 ACM Monitoring - Lab \$ 43,260 Engineering \$ 95,175
300102	Stormwater Sampling & Analysis-SG & TCTS	\$ 75,705	\$ 79,490	*Permit Sampling Engineering (PCB added) \$ 52,994 Laboratory \$ 26,497
300103	Landfill Gas Monitoring - SG & RR	\$ 120,922	\$ 140,500	SG - Monthly & Quarterly \$ 104,500 Title V RR- Monthly & Quarterly \$ 36,000
300013	Professional Services	\$ 55,105	\$ 55,105	Engineering \$ 18,540 Leachate sampling \$ 5,150 Auditing Services \$ 16,995 Software support \$ 14,420
300017	Legal Services	\$ 45,320	\$ 30,000	General Counsel \$ 30,000
300029	Transportation to Smith Gap - Trailers	\$ 2,493,531	\$ 3,422,550	Trucking tons shipped 211,150 $21 \text{ tons/trailer} = 10,054$ 5.0 % Rate Incr. Total \$ 3,422,550

CODE	DESCRIPTION	FY23-24	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	\$ 678,000	Employee Assistance Program: \$17.00 @ x 41 employees Clean Valley Council 12 months \$ 35,000 Landscaping- \$520/month \$ 6,240 Tire Disposal \$ 133,980 Copier Rental \$ 9,480 HHW Disposal \$ 66,808 Janitorial Services \$ 48,000 Exterminating Services \$ 2,781 \$ - \$ 125,000 Tire Transportation \$ 52,000 \$ - Propeller Survey Processing \$ 6,000 Salem Bond Debt \$ 192,014	\$ 697 \$ 35,000 \$ 6,240 \$ 133,980 \$ 9,480 \$ 66,808 \$ 48,000 \$ 2,781 \$ - \$ 125,000 \$ 52,000 \$ - \$ 6,000 \$ 192,014	\$ 697 \$ 35,000 \$ 6,240 \$ 133,980 \$ 9,480 \$ 66,808 \$ 4,200 \$ - \$ - \$ 125,000 \$ - \$ - \$ 6,000 \$ 192,014	\$ - \$ - \$ - \$ - \$ - \$ - \$ 8,400 \$ 1,800 \$ - \$ 52,000 \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ 6,300 \$ 500 \$ - \$ - \$ - \$ - \$ - \$ 29,100 \$ 481
300100	Groundwater Sampling & Analysis SG & RR	\$ 158,480	Residential Drinking Water Sampling \$ 16,800 Detection Monitoring & Lab \$ 3,245 ACM Monitoring - Lab & Engineering \$ 43,260 \$ 95,175	\$ - \$ - \$ 43,260 \$ 62,000	\$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ -	\$ 16,800 \$ 3,245 \$ - \$ 33,175
300102	Stormwater Sampling & Analysis	\$ 79,490	*Permit Sampling Engineering (PCB added) \$ 52,994 Laboratory \$ 26,497	\$ - \$ - \$ -	\$ 2,500 \$ 1,500	\$ - \$ -	\$ - \$ 50,494 \$ 24,997
300103	Landfill Gas Monitoring - SG & RR	\$ 140,500	SG - Monthly & Quarterly \$ 104,500 Title V RR- Monthly & Quarterly \$ 36,000	\$ - \$ 36,000	\$ - \$ -	\$ - \$ -	\$ 104,500
300013	Professional Services	\$ 55,105	Engineering \$ 18,540 Leachate sampling \$ 5,150 Auditing Services \$ 16,995 Software support \$ 14,420	\$ - \$ 2,000 \$ 16,995 \$ 14,420	\$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ -	\$ 18,540 \$ 3,150 \$ - \$ -
300017	Legal Services	\$ 30,000	General Counsel \$ 30,000 Outside Legal \$ -	\$ 30,000 \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -
300029	Transportation & Landfill	\$ 3,422,550	Total Tons to be Landfilled 21 tons/trailer = 10,054	211,150	\$ -	\$ 1,893,850	\$ 1,528,700

CODE	DESCRIPTION	FY22-23	FY23-24	JUSTIFICATION
300030	Waste Water Transportation	\$ 478,502	\$ 315,000	Leachate Trailers 823 trls / 5,761,000 Gal. \$ 315,000
300035		\$ -	\$ -	
310001	Temporary Help	\$ -	\$ -	Buildings and Grounds Maintenance
320001	Contracted Repairs	\$ 588,500	\$ 588,500	On Road Vehicles \$ 18,500 Construction Equipment Off Road Vehicles \$ 510,000 Miscellaneous Equip. Includes Grinder Trailers, hydroseeder Mowers, truck scales
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	FY23-24	JUSTIFICATION	ADMIN	TCTS	STS	LANDFILL
300030	Waste Water Transport	\$ 315,000	Leachate Hauling 823 trls / 5,761,000 Gal.	\$ -	\$ -	\$ -	\$ 315,000
300035		\$ - 0		\$ -	\$ -	\$ -	\$ -
310001	Temporary Help	\$ -	Buildings & Grounds Maintenance	\$ -	\$ -	\$ -	\$ -
320001	Contracted Repairs	\$ 588,500					
			All road vehicles	\$ 18,500	\$ -	\$ -	\$ -
			Construction Equipment Off Road Vehicles	\$ -	\$ 160,000	\$ 50,000	\$ 300,000
			Miscellaneous Equip.	\$ -	\$ 20,000	\$ 10,000	\$ 30,000
			0	\$ -	\$ -	\$ -	\$ -
			Sub-Totals	\$ 18,500	\$ 180,000	\$ 60,000	\$ 330,000
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	\$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ -

OPERATING

CODE	DESCRIPTION	FY22-23	FY23-24	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	\$ 75,600	\$ 77,900	Administrative services, Roanoke County/Roanoke City for data processing, IT Support accounting, web updates, miscellaneous
510010	Electric	\$ 100,200	\$ 110,220	RTS \$2,475/month SGRL \$3,850/month STS \$2,200/month RRLF \$660/month
510021	Heating Services	\$ 2,000	\$ 2,000	Transfer Station Natural Gas
510022	Fuel Oil Natural & Bottled Gas	\$ 20,000	\$ 20,000	Propane Gas Smith Gap Landfill
510041	Water Service - Transfer Station	\$ 15,000	\$ 15,000	Water & Sewer Service for Transfer Stations
510042	Sewer Service - leachate	\$ 67,476	\$ 48,122	Sewer Service - leachate Smith Gap 900,000 Gallons@ \$4.62/100C \$ 4,158 7,230,000 Gallons@ \$5.93/100C \$ 43,964 Plus Base Fee \$ 48,122
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	FY23-24	JUSTIFICATION	ADMIN	TCTS	STS	LANDFILL
360001	Marketing Activities	\$ 400	Recycling handouts, pens, pencils, miscellaneous items	\$ 400	\$ -	\$ -	\$ -
360030	Special Events	\$ 6,500	Annual Employee Functions & Customer Appreciation Day	\$ 6,500	\$ -	\$ -	\$ -
400600	Central Services	\$ 77,900	Administrative services, Roanoke County/Roanoke City for data processing, accounting, web update, misc.	\$ 77,900	\$ -	\$ -	\$ -
510010	Utilities - Electricity	\$ 110,220	TCTS \$2,475/month SGRLF \$3,850/month STS \$2,200/month RRLF \$660/month	\$ 7,920	\$ 29,700	\$ 26,400	\$ 46,200
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	\$ -	\$ 8,500	\$ 6,500	\$ -
510042	Sewer Service	\$ 48,122	Sewer Service (leachate) Smith Gap & Rutrough	\$ 4,158	\$ -	\$ -	\$ 43,964
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	FY22-23	FY23-24	JUSTIFICATION
530002	Property Insurance-Fire	\$ 33,075	\$ 52,000	Coverage for all buildings, contents, and equipment
530005	Motor Vehicle Insurance	\$ 36,304	\$ 41,000	Insurance for on-road vehicles
530007	Public Officials Insurance	\$ 2,205	\$ 7,300	Insurance through VML or VACO pools
530008	General Liability Ins.	\$ 9,398	\$ 6,880	Coverage for all facilities & property
540010	Rent of Equipment	\$ 80,000	\$ 80,000	Rental of Miscellaneous 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
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

OPERATING

CODE	DESCRIPTION	FY23-24	JUSTIFICATION	ADMIN	TCTS	STS	LANDFILL
530002	Property Insurance-Fire	\$ 52,000	Coverage for all buildings, contents, and equipment	\$ 52,000	\$ -	\$ -	\$ -
530005	Motor Vehicle Ins.	\$ 41,000	Insurance for on-road vehicles	\$ 41,000	\$ -	\$ -	\$ -
530007	Public Officials Ins.	\$ 7,300	Insurance through VML pools	\$ 7,300	\$ -	\$ -	\$ -
530008	General Liability Ins.	\$ 6,880	Coverage for all facilities & property	\$ 6,880	\$ -	\$ -	\$ -
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	FY22-23	FY23-24	JUSTIFICATION
580001	Dues	\$ 3,200	\$ 3,200	Professional & Association dues: SWANA, SWVSWMA, & IAAP
580015	Warrants and Fees	\$ 142,958	\$ 142,958	DEQ & City SW annual fees -\$116,958 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				
601013	Small Equipment & Supplies	\$ 75,000	\$ 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	\$ 7,000	\$ 7,000	Supplies for general cleaning & sanitation
607071	Radio Parts	\$ 13,000	\$ 7,500	Communications Equipment & Fees
608080	Gasoline, Oil & Grease	\$ 59,200	\$ 101,000	Fuel for all RVRA vehicles, mowers, lubricants
608082	Diesel fuel	\$ 350,000	\$ 460,000	Fuel for all diesel equipment and vehicles
609094	Tires, Parts	\$ 130,000	\$ 130,000	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	FY23-24	JUSTIFICATION	ADMIN	TCTS	STS	LANDFILL
580001	Dues	\$ 3,200	Professional & Association dues: SWANA, SWVSWMA, & IAAP	\$ 3,200	\$ -	\$ -	\$ -
580015	Warrants and Fees	\$ 142,958	DEQ & City SW annual fees -\$116,958 Credit Card fees \$26,000	\$ 33,500	\$ 6,500	\$ 6,500	\$ 96,458
580023	Employee Recognition	\$ 7,000	Awards and Certificates	\$ 7,000	\$ -	\$ -	\$ -
601010	Office Supplies	\$ 5,200	Office paper, pens, pencils, folders, etc.	\$ 5,200	\$ -	\$ -	\$ -
601011		\$ -		\$ -	\$ -	\$ -	\$ -
601013	Small Equipment & Supplies	\$ 75,000	Items of office and shop equipment and supplies, tools, computers	\$ 20,000	\$ 23,000	\$ 8,000	\$ 24,000
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	\$ 7,500	Communications Equipment & Fees	\$ -	\$ 2,000	\$ 2,000	\$ 3,500
608080	Gasoline, Oil & Grease	\$ 101,000	Fuel for all RVRA vehicles, mowers, lubricants	\$ 44,000	\$ 13,000	\$ 14,000	\$ 30,000
608082	Diesel fuel	\$ 460,000	Fuel for all diesel equipment	\$ -	\$ 106,000	\$ 58,000	\$ 296,000
609094	Tires, Tubes, & Parts	\$ 130,000	Replacement and maintenance parts supplies for all equipment and vehicles	\$ 5,000	\$ 25,000	\$ 50,000	\$ 50,000
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

OPERATING

OPERATING

CODE	DESCRIPTION	FY23-24	JUSTIFICATION	ADMIN	TCTS	STS	LANDFILL
620001	Subscriptions /Books	\$ 500	Professional magazines and manuals	\$ 500	\$ -	\$ -	\$ -
650001	Other Operating Supplies	\$ 145,000	Disinfectants, deodorizers, sa 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	\$ 6,000	Fire hoses & extinguishers replacements & and for annual inspections for all facilities	\$ 6,000	\$ -	\$ -	\$ -
650010	Safety Equipment	\$ 5,000	Gloves, safety glasses, etc.	\$ 5,000	\$ -	\$ -	\$ -
	Sub-totals	\$ 156,500		\$ 24,000	\$ 5,000	\$ 5,000	\$ 122,500
	Sub-Totals 14-24	\$ 7,974,445		\$ 1,120,947	\$ 2,710,794	\$ 1,962,462	\$ 2,180,242
967070	Unappropriated Balance	\$ 99,681		\$ 14,012	\$ 33,885	\$ 24,531	\$ 27,253
	TOTAL OPERATING	\$ 8,074,125		\$ 1,134,959	\$ 2,744,679	\$ 1,986,993	\$ 2,207,495

2023-2024 BUDGET

CODE	DESCRIPTION	FY22-23	FY23-24	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	\$ -	\$ -	

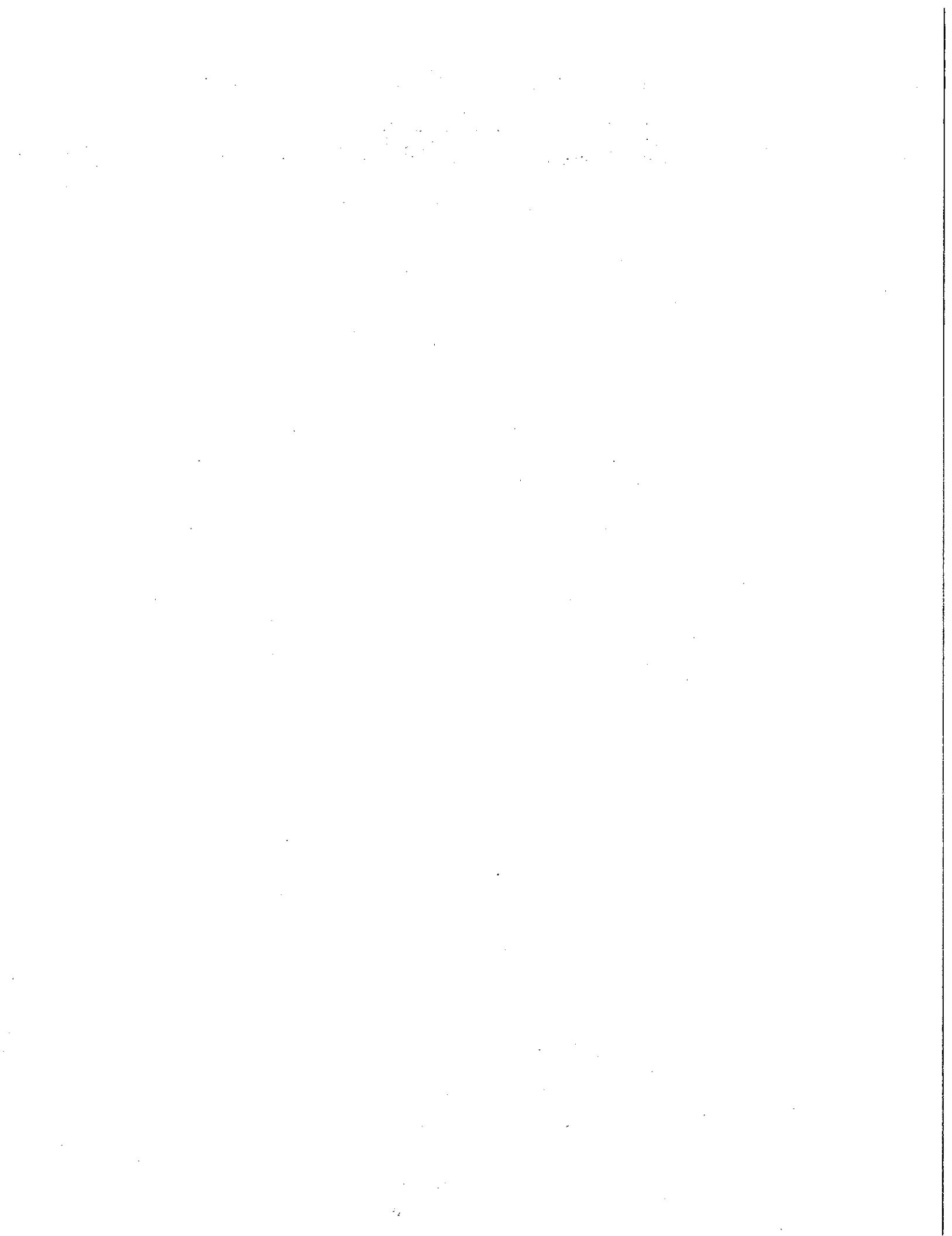
CODE	DESCRIPTION	BALANCE 7/1/2023 (projected)	DEPOSIT FY23-24	EXPENSE FY23-24	BALANCE 06/30/24 (projected)	JUSTIFICATION
C846 9209	Landfill Closure	\$ 4,070,870	\$ -		\$ 4,070,870	As required by State and Federal Regulations to close Smith Gap Landfill
C847 9210	Equipment Reserve Fund	\$ 258,957	\$ 400,000	\$ 465,579	\$ 193,378	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	\$ 249,475	\$ 10,000	\$ 10,000	\$ 249,475	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	\$ 4,242,013	\$ 1,761,753	\$ 6,258,670	\$ (254,904)	For future construction of the landfill
C848 9215	Capital Improvement Fund	\$ 251,082	\$ 50,000	\$ -	\$ 301,082	For maintenance and improvements to the facilities.
C840 9201	Contingency Reserve Fund	\$ 1,483,939	\$ -	\$ -	\$ 1,483,939	For unexpected expenses and for tipping fee stabilization
TOTAL RESERVE FUNDS		\$11,426,766	\$ 2,221,753	\$ 6,734,249	\$ 6,914,270	

CODE	DESCRIPTION	JUSTIFICATION	DEPOSIT FY23-24	ADMIN	TCIS	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.	\$ 400,000	\$ -	\$88,720	\$ 76,240	\$ 235,040
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	\$ 1,761,753	\$ -	\$ -	\$ -	\$1,761,753
C848 9215	Capital Improvement Fund	For maintenance and improvements to the facilities.	\$ 50,000	\$ -	\$50,000	\$ -	\$ -
C840 9201	Contingency Reserve Fund	For unexpected expense and for tipping fee stabilization	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL RESERVE FUNDS			\$ 2,221,753	\$ -	\$138,720	\$ 76,240	\$ 2,006,793

TIPPING FEE
BREAKDOWN

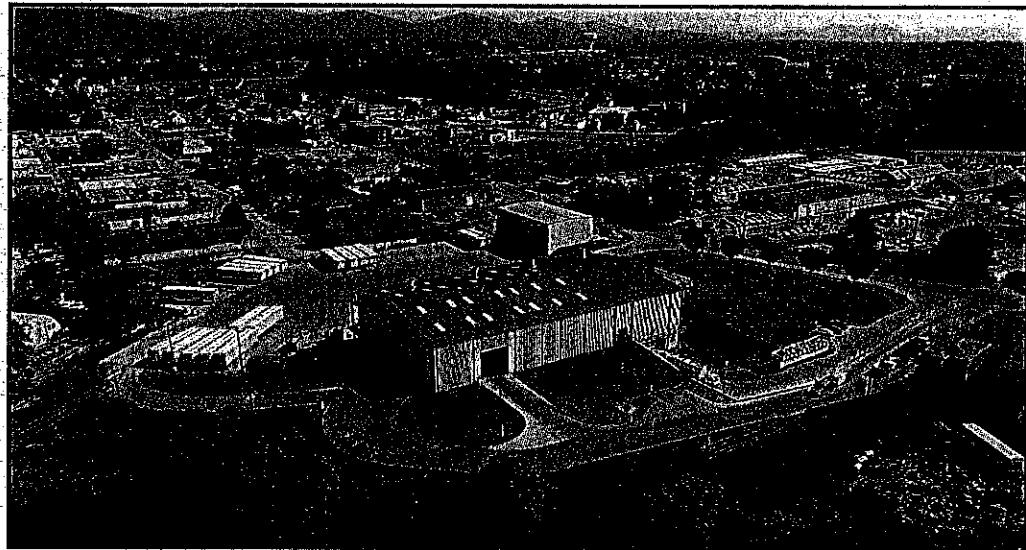
ALL OPERATIONS

CATEGORY	ADMIN	TCTS	STS	LANDFILL	TOTAL	PERCENT
PERSONNEL	\$ 1,111,567	\$ 952,889	\$ 652,407	\$ 1,000,505	\$ 3,717,368	23%
OPERATIONS	\$ 1,134,959	\$ 2,744,679	\$ 1,986,993	\$ 2,207,495	\$ 8,074,125	51%
DEPOSITS AND RESERVES	\$ -	\$ 138,720	\$ 76,240	\$ 2,006,793	\$ 2,221,753	14%
DEBT SERVICE	\$ 1,900,547	\$ -	\$ -	\$ -	\$ 1,900,547	12%
TOTAL	\$ 4,147,073	\$ 3,836,287	\$ 2,715,641	\$ 5,214,792	\$ 15,913,793	100%
PERCENTAGE	26%	24%	17%	33%	100%	



RESERVE FUNDS

2023-2024



SALEM TRANSFER STATION

RESERVE FUNDS

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ROANOKE VALLEY RESOURCE AUTHORITY

FY 2023-2024 FINANCIAL AND RESERVES

POLICY REVIEW

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). The policy addresses this standard.

II. Purpose

The policy provides 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 to restricted accounts, if deemed necessary, will occur in twelve (12) equal monthly transfers, or other frequencies as directed by the Board, from revenues received by the Authority and as budgeted for the current fiscal year. Annual funding transfers to unrestricted accounts may occur in twelve (12) equal monthly transfers or lump sum transfers, as directed by the Board, 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. Draper Aden Associates (DAA) last completed an external assessment of the Reserve Accounts in FY 2023.

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 was principally depleted from capital expenditures associated with the construction of a new force main and sewer line that have substantially decreased annual operating expenses. Any remaining balance in this fund is anticipated to be spent for facility care in the next two years. Accordingly, the post closure care responsibilities are now funded by our annual revenues from the operating budget and the associated costs are budgeted as ongoing line-item expenditures in the general annual operating budget. This fund will be eliminated upon the full depletion of any remaining fund balance.

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 2023-2024

In accordance with the Authority's "Financial and Reserves Policy," its Chief Executive Officer, a registered professional engineer in the Commonwealth of Virginia, reviewed its replacement reserve requirements 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). In cases of shortfalls, the Authority may need to transfer funds from other fully funded unrestricted reserve funds. Additionally, certain amounts may need to be borrowed, if needed, as indicated in the expenditure plan to address insufficient funding. 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 exclusive of all previous borrowing associated construction activities related to the now operational conversion from rail to truck at the Smith Gap Landfill and Tinker Creek Transfer Station. All debt service payments are accounted for within the FY 23-24 Operating Budget as obligated by the terms of the individual agreements. In addition, the RVRA has adjusted its previous anticipation of contracted waste via the existing County Waste (a commercial hauler) agreement from 100,000 tons annually to a more conservative estimate of 80,000 tons annually in FY'24. RVRA anticipates County Waste meeting its 100,000 tpy contracted waste volume starting in FY'25.

According to staff's review, the Equipment Reserve Fund is deemed to be inadequate for the short and long-term planning periods. Staff may continue to elect to buy used equipment or from Government Surplus and modify to fit its needs as appropriate to further manage future costs. Again, as noted above, Staff is reviewing other purchasing options including deferment, renting and/or leasing certain pieces of equipment, purchasing government surplus equipment and modifying to fit its needs.

The Capital Improvement Reserve Fund is deemed adequate for the short term period, but inadequate for the long-term period. The long-term shortage is predicated on providing funding for an asphalt overlay of the Transportation Corridor in FY'30. Sufficient time is available to plan for the appropriate funding mechanism, however, it must be addressed.

At the start of FY'23, the Contingency Reserve Fund balance was \$1,483,939. Staff does not project any expenditures or contributions to this fund in FY'24 and therefore the fund balance is anticipated to remain the same. The Authority's Policy includes a goal of retaining 8-10% of the annual operating budget

in its Contingency Reserve. This projected balance is 9.32% of the FY'24 operating budget and is therefore compliant with the Authority's Policy.

Again, as noted last year, the Rutrough Road Post-Closure Account Reserve Fund is nearly depleted. Annual post closure care responsibilities were moved to the operations budget starting in FY 2018. Any remaining funds in the Rutrough Road Reserve account will be used exclusively for the Rutrough Road Landfill. Staff is taking measures to utilize any remaining funds in FY'24. This Fund is projected to be exhausted by FY'25 and will be eliminated from the Authority's Reserve Funds program upon its full depletion.

The Site Development Reserve Fund is deemed adequate for the short and long-term periods. Phase VII engineering design was completed and construction is scheduled to start in FY'23 with completion projected in late FY'24 to early FY'25.

Overall, the Reserve Funds remain sufficient over the next five and ten-year planning period with the funding levels shown, pending necessary actions to address any shortfalls as previously described.

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 and will be eliminated upon its full depletion.

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, transfer, 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) for FY 2023. Accordingly, the next external review is scheduled for FY 2028.

All funds required for expenditures for the five year planning period are currently projected to be available in the individual reserve accounts, respectively, with the exception of the Equipment Reserve Fund. Sufficient funds are deemed to be available for transfer from other reserve funds for the short term period, if necessary.

Funds required for expenditures during the ten year planning period are currently projected to be available in the individual reserve fund accounts, respectively, with the exceptions of the Equipment and Capital Improvement Reserve Funds. Sufficient funds are deemed to be available for transfer from other reserve funds for most of the long term period, if necessary. However, the projected available funds would need to come from the Site Development Reserve Fund which in turn would need to be replenished upon the design and construction of Phase IX projected to begin in FY'34 and FY'35 (note: outside of current 10-yr. study period), respectively. Projected shortages for equipment replacement should be addressed in the not-too-distant future with additional annual funding to address a longer term issue that continues to grow and increase, potentially to the extent of requiring additional borrowing of funds in the long term planning period.

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. Three 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 by staff 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 Reserve Fund is showing a shortage in the short and long-term planning periods. Sufficient funds are available in the unrestricted accounts, specifically the Site Development Reserve Funds to cover this shortfall for during both periods. However, utilizing this transfer of funds could require additional borrowing of funds for the future design and construction of Ph. IX which is outside the long term planning window. As a result, the Total Reserve Balances remain positive. Therefore, both short and long-term reserve balances are cautiously 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 2024**

	BALANCE AT 07/01/23 (anticipated)	PLANNED/ACTUAL EXPENDITURES 2023/2024	DEPOSITS	BEGINNING BALANCE 1-Jul-2024
CLOSURE FUND	\$ 4,070,870	\$ -	\$ -	\$ 4,070,870
EQUIPMENT	\$ 258,957	\$ 465,579	\$ 462,000	\$ 255,378
ENVIRONMENTAL FUND	\$ 500,000	\$ -	\$ -	\$ 500,000
HOST COMMUNITY	\$ 249,475	\$ 10,000	\$ 10,000	\$ 249,475
PROPERTY VALUE PROTECTION	\$ 370,430	\$ -	\$ -	\$ 370,430
SITE DEVELOPMENT	\$ 6,038,392	\$ 6,258,670	\$ 1,700,000	\$ 1,479,722
CAPITAL IMPROVEMENT FUND	\$ 251,082	\$ -	\$ 50,000	\$ 301,082
TOTALS	\$ 11,739,206	\$ 6,734,249	\$ 2,222,000	\$ 7,226,957
CONTINGENCY	\$ 1,483,939	\$ -	\$ -	\$ 1,483,939
NOTES:				
GRAND TOTAL	\$ 13,223,145		\$ 8,710,896	

Summary of Reserve Funds: Ten Year Planning Period

Fiscal Year	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
Deposits											
Closure	0	0	200	200	200	200	200	200	200	200	200
Equipment	462	462	1400	1300	1250	1100	1100	1100	1100	1100	1100
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	3458	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700
Capital Improvement	90	50	90	90	90	90	90	90	90	90	90
total	4020	2222	3400	3300	3250	3100	3100	3100	3100	3100	3100
Expenditures											
Closure	607	0	135	2,518	0	0	0	213	2430	0	0
Equipment	1,430	466	1,403	2,065	1,690	2,500	1,792	1,836	1,551	2,095	2,937
Environmental	0	0	0	0	0	0	0	0	0	0	0
Host Community	0	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	36	6,259	0	0	555	7,700	0	0	0	0	0
Capital Improvement	50	0	0	60	0	250	250	1000	0	0	0
total	2123	6735	1548	4653	2255	10,460	2052	3059	3991	2105	2947
Balances											
						5 year					10 year
Closure	4,071	4,071	4,136	1,818	2,018	2,218	2,418	2,405	175	375	575
Equipment	259	255	252	-513	-953	-2,353	-3,045	-3,781	-4,232	-5,227	-7,064
Environmental	500	500	500	500	500	500	500	500	500	500	500
Host Community	249	249	249	249	249	249	249	249	249	249	249
Property Protection	370	370	370	370	370	370	370	370	370	370	370
Site Development	6,038	1,479	3,179	4,879	6,024	24	1,724	3,424	5,124	6,824	8,524
Capital Improvement	251	301	391	421	511	351	191	-719	-629	-539	-449
total	11,738	7,225	9,077	7,724	8,719	1,359	2,407	2,448	1,557	2,552	2,705

Summary of Other Reserve Funds: Ten Year Planning Period

Fiscal Year	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
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	39	38	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Balances											
						5 year					10 year
Rutrough Road	77	38	0	0	0	0	0	0	0	0	0
Contingency	1,484	1,484	1,484	1,484	1,484	1,484	1,484	1,484	1,484	1,484	1,484
Totals											
All Funds	13,299	8,747	10,561	9,208	10,203	2,843	3,891	3,932	3,041	4,036	4,189
Unrestricted Funds											
All Funds	12,103	7,590	9,442	8,089	9,084	1,724	2,772	2,813	1,922	2,917	3,070

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 four years, due to a loss of commercial 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. Staff anticipates making \$200,000 deposits to the Closure Account thereafter. 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.

The Closure Reserve Account funding levels are for capital costs associated with closing portions of the landfill and not intended 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	0	4,677,370	
2022-23	4,677,370	0	606,500	4,070,870	HDR Task I-II Closure & Ph. VII
2023-24	4,070,870	0	0	4,070,870	
2024-25	4,070,870	200,000	135,000	4,135,870	Phase II Design & QC/QA
2025-26	4,135,870	200,000	2,518,263	1,817,607	Phase II Construction (10 Ac)
2026-27	1,817,607	200,000	0	2,017,607	
2027-28	2,017,607	200,000	0	2,217,607	
2028-29	2,217,607	200,000	0	2,417,607	
2029-30	2,417,607	200,000	212,685	2,404,922	Closure Design (TBD)
2030-31	2,404,922	200,000	2,429,714	175,208	Closure Construction (TBD)

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.

Deposits for FY '24 are planned at \$462,000 for new equipment next year. For FY 2025 and beyond, Staff has shown an increase in the funding levels to between \$1,100,000 and \$1,400,000 provided funds are available. The Equipment Reserve Account shows a negative balance of \$513,000 at the end of FY '26 with a continued increase in the deficit going forward at the proposed funding levels primarily due to scheduling trailer replacement and the inclusion of funds to replace the existing wood grinder. The Authority owns and operates a fleet of fifty walking-floor trailers used daily to transport MSW from its transfer stations to the Smith Gap Landfill.

Staff will continue to identify any obsolete or other excess machinery as part of normal operations that may generate additional revenues. 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 from the sale of surplus equipment is shown. Currently, the rotary tipper and all associated parts have been previously declared as "surplus" by the Board. Staff continues to pursue the most appropriate method of liquidating these assets.

Staff continuously evaluates all purchasing options when a replacing a piece of equipment to ensure costs are managed. The Equipment Reserve fund also serves to assist in complying with post-closure requirements of financial assurance regulations.

Equipment Reserve Fund

FISCAL YEAR	BEGINNING BALANCE	ANNUAL DEPOSIT	EXPENSES	ENDING BALANCE	Detailed Schedule
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	1,295,286	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	268,412	1,146,681	345,752	See Attached
2019-20	345,752	200,000	241,463	304,289	See Attached
2020-21	304,289	0	220,406	83,883	See Attached
2021-22	83,883	1,239,326	96,397	1,226,812	See Attached
2022-23	1,226,812	461,935	1,429,790	258,957	See Attached
2023-24	258,957	462,000	465,579	255,378	See Attached
2024-25	255,378	1,400,000	1,402,500	252,878	See Attached
2025-26	252,878	1,300,000	2,065,048	-512,170	See Attached
2026-27	-512,170	1,250,000	1,690,000	-952,170	See Attached
2027-28	-952,170	1,100,000	2,500,097	-2,352,267	See Attached
2028-29	-2,352,267	1,100,000	1,792,243	-3,044,510	See Attached
2029-30	-3,044,510	1,100,000	1,835,670	-3,780,180	See Attached
2030-31	-3,780,180	1,100,000	1,550,837	-4,231,017	See Attached
2031-32	-4,231,017	1,100,000	2,095,070	-5,226,087	See Attached
2031-32	-5,226,087	1,100,000	2,936,659	-7,062,745	See Attached



Major Equipment Replacement Schedule



Major Equipment Replacement Schedule

Major Equipment Replacement Schedule												
Equipment Description	year	site	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33
Michigan L150	2007	TCIS	\$430,000									\$550,000
John Deere Wheel loader	2016	TCIS										\$460,000
Cat 924G Loader # 2	2007	TCIS			\$256,000							
John Deere 544 K	2015	TCIS										\$280,000
Volvo EC 220	2016	TCIS			\$262,711							
Volvo EC 220	2016	TCIS										
Doosan DX 225	2009	TCIS			\$262,711							
McBark 6600	2016	TCIS										
Doosan DX190	2007	TCIS						\$1,000,000				
843 Bobcat	1983	TCIS							\$300,000			
Elgin Pelican	2015	TCIS										\$250,000
Mobile Lube Truck	1997	TCIS	\$180,000									
Dodge Service Truck	2016	TCIS			\$160,000							
Dodge SUV	2016	TCIS	\$40,000									
Chevrolet 250 Pick-up truck	2007	TCIS			\$35,000							
Freightliner (Rebuild)	2005	TCIS	\$92,500									
Green Box/Containers	2016	TCIS							\$50,000			
Recycling Trailer #2	1996	TCIS								\$50,000		
Explore	2015	TCIS			\$25,000							
GMC	2016	TCIS										
Toyota SUV	2014	TCIS										
Ford Explore	2017	TCIS										
Toyota Truck	2017	TCIS			\$42,000							
Trico Truck # 1	2016	TCIS				\$156,000						
Trico Truck # 2	2016	TCIS					\$156,000					
SUB - TOTAL			\$132,500	\$61,000	\$37,422	\$728,000	\$1,000,000	\$40,000	\$30,000	\$460,000	\$460,000	\$550,000
GRAND TOTAL			\$132,500	\$61,000	\$37,422	\$728,000	\$1,000,000	\$40,000	\$30,000			
											10 year total	\$5,047,922
											Required funding ten year	\$ 504,792



Major Equipment Replacement Schedule

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
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 Activity
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	0	0	500,000	No Planned Uses
2032-33	500,000	0	0	500,000	No Planned Uses

HOST COMMUNITY FUND

The Host Community Fund is established to fund the construction, operation, and/or maintenance of public improvements 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 as prepared and presented to the Authority by the Bradshaw Citizens Association (BCA).

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 Staff, increased the limit from \$150,000 to \$250,000 in FY 2014. The Host Community, through the BCA, 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.

Host Community Reserve Fund

FISCAL YEAR	BEGINNING BALANCE	ANNUAL DEPOSIT	EXPENSES	ENDING BALANCE	USES
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	Misc. Expenses
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	249,475	10,000	10,000	249,475	Misc. Expenses
2031-32	249,475	10,000	10,000	249,475	Misc. Expenses
2031-32	249,475	10,000	10,000	249,475	Misc. Expenses

PROPERTY PROTECTION FUND

The Property Protection Fund provides funds for payments under the Property Value Protection Policy 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
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
2019-20	384,629	0	14,199	370,430	8827 Willby Road
2020-21	370,430	0	0	370,430	None
2021-22	370,430	0	0	370,430	None
2022-23	370,430	0	0	370,430	None
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	0	0	370,430	None Projected
2031-32	370,430	0	0	370,430	None Projected

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 (FY '24), funding levels are planned at \$1,700,000 due to the planned construction of Phase VII in FY 2024. In order to better define the cost and the need for Phase VII, staff has not only revisited the existing internal estimates but previously moved the engineering to the FY '23. Once the design and approvals are received, staff will have a better construction cost estimate and understanding of the Phase VII timeline. Currently, Phase VII construction is planned to be completed in FY 25 based on the latest airspace modeling and ongoing design/build schedule. This planned activity creates an estimated \$24,000 balance in the short-term; however, there are sufficient funds in the Closure Reserve account to offset some increased costs that produce a shortage to construct Phase VII.

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

Site Development Reserve Fund

FISCAL YEAR	BEGINNING BALANCE	ANNUAL DEPOSIT	EXPENSES	ENDING BALANCE	USES
1999-20	3,205,000	500,000	914,591	2,790,409	Phase III/IV Construction
2000-01	2,790,409	500,000	680,033	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	49,735	2,361,245	See Attached
2020-21	2,361,245	0	2,505	2,358,740	See Attached
2021-22	2,358,740	277,261	19,858	2,616,143	Misc. Engineering
2022-23	2,616,143	3,458,019	35,770	6,038,392	Misc. Engineering
2023-24	6,038,392	1,700,000	6,258,670	1,479,722	Phase VII Construction & PM
2024-25	1,479,722	1,700,000	0	3,179,722	No Expenditure
2025-26	3,179,722	1,700,000	0	4,879,722	No Expenditure
2026-27	4,879,722	1,700,000	555,243	6,024,479	Phase VIII Engineering
2027-28	6,024,479	1,700,000	7,700,000	24,479	Phase VIII Construction & PM
2028-29	24,479	1,700,000	0	1,724,479	No Expenditure
2029-30	1,724,479	1,700,000	0	3,424,479	No Expenditure
2030-31	3,424,479	1,700,000	0	5,124,479	No Expenditure
2031-2032	5,124,479	1,700,000	0	6,824,479	No Expenditure
2032-2033	6,824,479	1,700,000	0	8,524,479	No Expenditure

SMITH GAP LANDFILL

FISCAL YEAR	ACTIVITY	EXPENSES
2018-19	no activity	\$ -
2019-20	no activity	\$ -
2020-21	no activity	\$ -
2021-22	Misc. Engineering	\$ 598,125
2022-23	Misc. Engineering	\$ 2,576,778
2023-24	Construction phase VII Liner (10.07ac) Construction management (CQ/CA)	\$ 5,763,170 \$ 495,500
2024-25	no activity	\$ -
2025-26	no activity	\$ -
2026-27	Phase VIII Engineering	\$ 555,243

**SITE DEVELOPMENT
COSTS
CONTINUED**

FISCAL YEAR	ACTIVITY	EXPENSES
2027-28	Construction phase VIII Liner (8.8ac) Construction management	\$ 7,020,382 \$ 679,618
2028-29	no activity	\$ -
2029-30	no activity	\$ -
2030-31	no activity	\$ -
2031-32	no activity	\$ -
2032-33	no activity	\$ -

estimated costs	\$ 14,513,913
available funds	\$ 6,038,392
additional funds required	\$ 8,475,521
deposit years	5
annual deposits required	\$ 1,695,104

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, facility updates (i.e. carpet/flooring, bathroom/locker room/break room remodels), 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, 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.

The Authority previously identified several needs/upgrades to include, retaining walls, concrete overlay (both transfer stations), and roofing repairs.

There are no deficits shown in the five-year planning period and funding levels are sufficient to fully fund all of the improvements that are identified. There are deficits shown in the ten-year planning period due to planned expenses associated with pavement overlay of the spur road as part of the road maintenance plan. All planned improvements/expenses are identified on the following page.

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

Capital Improvement Reserve Fund

FISCAL YEAR	BEGINNING BALANCE	ANNUAL DEPOSIT	EXPENSES	ENDING BALANCE	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 & Dlrt, 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	No Expense
2021-22	211,082	0	0	211,082	No Expense
2022-23	211,082	90,000	50,000	251,082	SG Roof Repairs
2023-24	251,082	50,000	0	301,082	No Expense
2024-25	301,082	90,000	0	391,082	No Expense
2025-26	391,082	90,000	60,000	421,082	See Attached
2026-27	421,082	90,000	0	511,082	No Expense
2027-28	511,082	90,000	250,000	351,082	See Attached
2028-29	351,082	90,000	250,000	191,082	See Attached
2029-30	191,082	90,000	1,000,000	-718,918	See Attached
2030-31	-718,918	90,000	0	-628,918	No Expense
2031-32	-628,918	90,000	0	-538,918	No Expense
2032-33	-538,918	90,000	0	-448,918	No Expense

Roanoke Valley Resource Authority

CAPITAL IMPROVEMENT
LIST

Project List	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 29-30	FY 30-31	FY 31-32	FY 32-33
Concrete Slab & Retaining Wall (Mulch)		\$ 60,000								
Overlay Floor (STS)				\$ 250,000						
Roofing Repairs (SG)										
Overlay Floor (TC/TS)					\$ 250,000					
Asphalt Resurfacing (SG)						\$ 1,000,000				
Building Renovations										
Totals	\$ -	\$ -	\$ 60,000	\$ -	\$ 250,000	\$ 250,000	\$ 1,000,000	\$ -	\$ -	\$ -

Totals
Annual Deposits Required
\$ 1,560,000
\$ 156,000

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 was 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 essentially depleted. Funds will remain in the Rutrough Road account to cover pump replacement/repair; site maintenance, or any other items that may arise. We anticipate that the remaining balance will be depleted by FY'25 when this Reserve account will be deleted from future Budgets.

ROANOKE VALLEY RESOURCE AUTHORITY
APPROXIMATE POST-CLOSURE CARE COSTS
RUTROUGH ROAD LANDFILL
FOR THE YEARS 1996 THROUGH 2024

Date: January 31, 2023

YEAR	Cap Maint. & ESC	ROAD MAINT.	MISC.	G/W	LEACHATE	GAS SYST.	O & M	CAPITAL	ADMIN EXPENSES	TOTAL DEPOSIT	INTEREST INCOME	FUND BALANCE		
												MAINT.	SAMPLING	
1996	\$ 73,594	\$ 44,981	\$ 130,426	\$ 110,107	\$ 1,025,751	\$ 356,144	\$ 3,635,237	\$ 1,384,950	\$ 591,886	\$ 9,184,824	\$ 3,733,310			
1997	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 260,602	\$ 6,452,077	\$ 387,686	\$ 6,559,161		
1998	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 143,180	\$ 6,561,789	\$ 296,018	\$ 6,714,607		
1999	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 699,337	\$ 6,772,712	\$ 415,543	\$ 6,488,918		
2000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 373,485	\$ 6,656,586	\$ 357,980	\$ 6,641,091		
2001	\$ 5,239	\$ 559	\$ 7,705	\$ -	\$ 57,565	\$ 18,323	\$ 98,018	\$ 35,819	\$ 40,659	\$ 274,596	\$ 6,502,918	\$ 454,557	\$ 6,682,879	
2002	\$ -	\$ -	\$ 11,431	\$ -	\$ 50,100	\$ 8,402	\$ 61,006	\$ 4,958	\$ 47,553	\$ 183,450	\$ 6,418,982	\$ 483,446	\$ 6,902,438	
2003	\$ 36,853	\$ 21,141	\$ 6,479	\$ -	\$ 44,057	\$ 14,130	\$ 146,909	\$ -	\$ 52,589	\$ 322,159	\$ 6,612,637	\$ 215,808	\$ 6,934,796	
2004	\$ -	\$ -	\$ 7,231	\$ 5,347	\$ 83,773	\$ 11,443	\$ 178,053	\$ 108,874	\$ 59,301	\$ 454,021	\$ 6,277,115	\$ 87,288	\$ 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	\$ -	\$ -	\$ 307,250	\$ 5,084,300	\$ 249,892	\$ 5,104,903	
2008	\$ -	\$ 3,500	\$ 16,682	\$ 6,500	\$ 34,172	\$ 9,480	\$ 129,604	\$ 27,736	\$ -	\$ 378,889	\$ 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	\$ 4,386,331	\$ 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	\$ 66,992	\$ -	\$ 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	\$ -	\$ -	\$ 528,192	
2018	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 427,182	\$ 101,010	\$ -	\$ -	\$ 102,196	
2019	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (15,444)	\$ 86,752	\$ 719	\$ 87,471		
2020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (11,840)	\$ 75,831	\$ 600	\$ 76,231		
2021	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 76,231	\$ 600	\$ 76,831		
2022	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 76,831	\$ 600	\$ 77,431		
2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (39,788)	\$ 37,643	\$ 600	\$ 38,243		
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	\$ 9,184,824	\$ 3,733,310			

For Information Only

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

Date: January 31, 2023

<u>YEAR</u>	<u>Cap Maint. & ESC</u>	<u>ROAD</u>	<u>MISC</u>	<u>EXPENSE</u>	<u>MOWING</u>	<u>G/W</u>	<u>SAMPLING</u>	<u>O & M</u>	<u>O & M</u>	<u>LEACHATE</u>	<u>CAPITAL</u>	<u>ADMIN</u>	<u>ADMIN EXPENSES</u>	<u>TOTAL EXPENSES</u>	<u>DEPOSIT</u>	<u>INTEREST</u>	<u>FUND BALANCE</u>
2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2023	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2024	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2025	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2026	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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.

Funds remaining for Leachate force main and lift station																	

All Operating cost have been moved to the annual budget and are funded from the administration accounts

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.

As noted in earlier in this report, Staff projects a balance of \$1,483,939 that will be available in the Contingency Reserve Fund as of the start of FY '24. The Authority's Policy has the goal of retaining 8-10% of its annual operating budget in its Contingency Reserve. This projected balance is 9.32% of the FY '24 operating budget of approximately \$15.9M and is therefore compliant with the Authority's Policy.

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

CONTINGENCY RESERVE FUND

FISCAL YEAR	BEGINNING BALANCE	DEPOSITS	TRANSFERS	BALANCE	COMMENTS
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	2,660,550	Transfer to Operating Budget
2009-2010	2,660,550	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	0	3,723,133	Transfer to Operating Budget
2021-2022	3,723,133	0	2,239,194	1,483,939	NS Payment, Ops., LOC
2022-2023	1,483,939	0	0	1,483,939	Nothing Planned
2023-2024	1,483,939	0	0	1,483,939	Nothing Planned

Contingency Funds Available \$ 1,483,939

Proposed Transfer for FY 2023-2024 Budget \$ -

Contingency Balance \$ 1,483,939