

RESERVE FUNDS

2017-2018



SALEM TRANSFER STATION

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 2016/2017 | 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 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.

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 budget considerations.

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, 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 2017 – 2018

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.)

According to staff's current review and based upon borrowing approximately twenty million dollars for the conversion of the operations from rail haul to trucking, funds are adequate for the immediate short-term planning period. However, additional funding or future borrowing may be needed for the Closure, Equipment Replacement and the Site Development Reserve Funds for the latter years of the long-term planning period. Staff is working with our consultant to extend the life of Phase VII to minimize the amount of borrowing required for the Closure and Site Development Reserves.

The Board and staff are in the final stages of determining the direction that the Authority will take on the future transportation of waste and leachate management. On November 1, 2016, the Authority assumed ownership and the operational control and responsibilities of the Salem Transfer Station. The Authority is in the process of converting this facility to an open, top-load out for trailers to improve operational efficiencies. Upon commencing actual construction of these modifications, the decision for

ANNUAL REVIEW AND RESERVE FUNDS

future transportation methodology will be set. In addition, the Rutrough Road Post-Closure Account Reserve Fund is nearly depleted. Future post closure care responsibilities have been moved to the operations budget starting in FY 2018. The remaining funds in the Rutrough Road account will be reserved for the Resource Authority's share of the lift and force main construction project now underway by the Western Virginia Water Authority.

While the Reserve Plan is fluid and transitional at this time, it is consistent with the needs and obligations of the Authority and has been 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, Rail, & 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. Unfortunately, the Rutrough Road Landfill Post-Closure Fund will be depleted within the short-term planning period and will ultimately transition 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. However, the Authority's recent assumption of ownership of the Salem Transfer Station and the associated increase of approximately 50% in additional MSW, provides the Authority with the opportunity and revenue resources to add, modify and

improve its facilities. Therefore, the Authority has borrowed \$11.1 million dollars in FY'17 to begin that process and anticipates borrowing an additional \$8.9M in FY'18. Consideration may be given to additional borrowing based on future considerations, such as better defined revenues and expenditures based on operational considerations being finalized for transportation of the Authority's MSW. 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. In fact, the pending depletion of the Rutrough Road Post Closure Account has required the Authority to assume the post closure care responsibilities starting in FY 2018 and that account will no longer be available. The additional borrowing of funds (or debt) and the Ownership of the Salem Transfer Station will also impact the future Reserve and Financial Policies of the Authority. However, since we are in our infancy of our new Transfer Station and

the pending Norfolk Southern Contract negotiations these policies and financial guidelines are still unclear.

All funds required for expenditures for the five year planning period are currently available in the reserves accounts. The long range (ten year projections) shows a considerably shortage of funds in the Closure and Site Development Accounts. As noted earlier, staff is working with our consultant to extend the life of Phase VII; therefore, decreasing significantly the amount of funds required in 2025 and beyond. 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. However, the prolonged downturned economy has significantly affected the Authority's revenues primarily due to an overall reduction of municipal waste flow and a significant reduction in investment earnings. With the economy slowly improving and improved economies of scale from the additional waste accepted at the Salem Transfer Station has allowed the Authority to borrow the additional funds needed for the conversion of all of facilities to ship waste by rail (shipping containers) or trucking, without significantly adversely impacting the Authority's tipping fees.

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. All the Reserves have been determined to be adequate for the short-term planning period. The long-term planning period is less than adequate, most notably for the Equipment, Site Development, and Closure Funds. At this time, unless we expand our leachate storage capacity, whenever a new Phase of the landfill is constructed we alternatively have to close a similar area in size. While Phase VII's original air space was adequate for our original members, with the additional waste accepted at the Salem Transfer Station, that statement is no longer valid and staff is working to expand the life of Phase VII to minimize the future financial impacts of those two accounts in the long range plan. Historically, the Equipment Reserve Fund has shown a shortfall in the long range planning phases. Every year staff assesses the equipment needs and some instances replacement is delayed or moved up depending on the condition of the equipment at that time. Again, all purchases are for new equipment with little or no trade-in value associated with that piece of equipment. If the Board decides to go with trucking for our long range transportation needs, some equipment will no longer be needed and can be surplus and the sale of that equipment can be used to off-set the long range shortfall. In summary, while the long range deficits are a concern, staff believes that the majority of those impacts can be mitigated as noted above. For the short term planning period, all funds have been deemed to be adequate.

Respectfully Submitted,

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

SUMMARY OF RESERVE FUNDS**Expenditures for FY 2017**

| | BALANCE AT 07/01/16 | PLANNED/ACTUAL EXPENDITURES 2016/2017 | DEPOSITS | BEGINNING BALANCE 1-Jul-2017 (anticipated) |
|--|------------------------|---|--------------|---|
| CLOSURE FUND ¹ | \$ 6,434,600 | \$ 500,000 | \$ 200,000 | \$ 6,134,600 |
| EQUIPMENT ² | \$ 1,786,605 | \$ 1,147,615 | \$ 1,000,000 | \$ 1,638,990 |
| ENVIRONMENTAL FUND | \$ 500,000 | \$ - | \$ - | \$ 500,000 |
| HOST COMMUNITY ³ | \$ 179,475 | \$ - | \$ 10,000 | \$ 189,475 |
| PROPERTY VALUE PROTECTION ⁴ | \$ 384,779 | \$ 20,000 | \$ - | \$ 364,779 |
| SITE DEVELOPMENT | \$ 3,150,118 | \$ 1,100,000 | \$ 500,000 | \$ 2,550,118 |
| CAPITAL IMPROVEMENT FUND ⁵ | \$ (19,677) | \$ 118,000 | \$ 390,000 | \$ 252,323 |
| TOTALS | \$ 12,415,900 | \$ 2,885,615 | \$ 2,100,000 | \$ 11,630,285 |
| RUTROUGH ROAD LANDFILL | \$ 1,306,748 | \$ 490,000 | \$ - | \$ 816,748 |
| CONTINGENCY | \$ 2,462,446 | \$ - | \$ - | \$ 2,462,446 |

NOTES:

1. We recently met with DEQ and we anticipate that the first closure will occur this Spring. The total amount for closing approximately 7.0 acres is 2.8 million dollars.
2. While we have known cost for excavators and a few fleet vehicles (SUV's), we still need to purchase a an off-road truck and a fleet vehicle.
3. The Host Community cap was raised from \$150,000 to \$250,000 in FY 2014.
4. Staff has been recently been contact by a property owner in our property protection area and we have shown a nominal amount of funds to be spent during the current FY.
5. The Residential Service Area improvements are winding down. Staff issued a change order to install approximately 10,000 sf of concrete for trailer parking and to improve the access for residential customers. This work should be completed by the end of March. Staff had identified several projects to be completed over the next ten years. It is staff's intent that these projects will be completed at the time the conversion is made to go trucking in 2018.

Summary of Reserve Funds: Ten Year Planning Period

| Fiscal Year | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 |
|------------------------|---------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|---------------|---------------|
| Deposits | | | | | | | | | | | |
| Closure | 200 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| Equipment | 1000 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 |
| Groundwater Protection | 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 | 500 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 |
| Capital Improvement | 390 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| total | 2100 | 2360 | 2360 | 2360 | 2360 | 2360 | 2360 | 2360 | 2360 | 2360 | 2360 |
| Expenditures | | | | | | | | | | | |
| Closure | 500 | 1,750 | 0 | 0 | 100 | 2,500 | 1,400 | 0 | 0 | 3800 | 1100 |
| Equipment | 1,148 | 588 | 2,756 | 1,236 | 70 | 498 | 582 | 2,097 | 3,396 | 4,169 | 3,093 |
| Groundwater Protection | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Host Community | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 10 | 10 | 10 |
| Property Protection | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Site Development | 1100 | 2500 | 0 | 0 | 300 | 3,150 | 2,050 | 0 | 0 | 4,650 | 1,150 |
| Capital Improvement | 118 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| total | 2886 | 4838 | 2756 | 1236 | 470 | 6148 | 4032 | 2106 | 3406 | 12629 | 5353 |
| Balances | | | | | | 5 year | | | | | 10 year |
| Closure | 6,135 | 4,635 | 4,885 | 5,135 | 5,285 | 3,035 | 1,885 | 2,135 | 2,385 | -1,165 | -2,015 |
| Equipment | 1,639 | 2,451 | 1,095 | 1,259 | 2,589 | 3,491 | 4,309 | 3,612 | 1,616 | -1,153 | -2,846 |
| Groundwater Protection | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 |
| Host Community | 189 | 199 | 209 | 219 | 229 | 239 | 249 | 250 | 250 | 250 | 250 |
| Property Protection | 365 | 365 | 365 | 365 | 365 | 365 | 365 | 365 | 365 | 365 | 365 |
| Site Development | 2,550 | 750 | 1,450 | 2,150 | 2,550 | 100 | -1,250 | -550 | 150 | -3,800 | -4,250 |
| Capital Improvement | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 |
| total | 11,630 | 9,152 | 8,756 | 9,880 | 11,770 | 7,982 | 6,310 | 6,564 | 5,518 | -4,751 | -7,744 |

Summary of Other Reserve Funds: Ten Year Planning Period

| Fiscal Year | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 |
|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Deposits | | | | | | | | | | | |
| Rutrough Road | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Contingency | 986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Expenditures | | | | | | | | | | | |
| Rutrough Road | 490 | 0 | 0 | 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 | 817 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Contingency | 2,462 | 2,462 | 2,462 | 2,462 | 2,462 | 2,462 | 2,462 | 2,462 | 2,462 | 2,462 | 2,462 |
| Totals | | | | | | 5 year | | | | | 10 year |
| All Funds | 14,909 | 11,614 | 11,218 | 12,342 | 14,232 | 10,444 | 8,772 | 9,026 | 7,980 | -2,289 | -5,282 |
| Unrestricted Funds | | | | | | 5 year | | | | | 10 year |
| All Funds | 13,038 | 10,550 | 10,144 | 11,258 | 13,138 | 9,340 | 7,658 | 7,911 | 6,865 | -3,404 | -6,397 |

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 current planning period, deposits will be made monthly providing a total annual deposit of \$300,000 (previously \$200,000) based on the landfill's estimated future closure costs as they correspond to the landfill's planned and phased useful life. 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 Landfill are close to final grade and in accordance with our permit are in the process of being closed. We have entered into a contract with Smith Gardner & Associates, Inc. to conduct the design and construction management necessary to complete current closure requirements. We anticipate closure to begin this spring. The anticipated closure cost are based on Smith Gardner & Associates anticipated cost. The Closure Fund is adequate for the five year planning period; however, the ten-year period is showing a significant shortage. As noted earlier, staff anticipates that this shortage can be greatly reduced with the expansion of Phase VII's life expectancy. In addition, there may be an opportunity to delay the closure of certain areas of the landfill with the expansion of the leachate storage capacity, or utilizing leachate recirculation, and possibly installing a sewer line in the vicinity of the NS rail spur to the Ironito exit.

| <i>Landfill Closure Fund</i> | | | | | |
|------------------------------|----------------------|-------------------|-----------|-------------------|----------------------------------|
| 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 | 500,000 | 6,134,600 | Phase I Engr. & Constr. (7.6 Ac) |
| 2017-18 | 6,134,600 | 250,000 | 1,750,000 | 4,634,600 | Phase I Engr. & Constr. (7.6 Ac) |
| 2018-19 | 4,634,600 | 250,000 | 0 | 4,884,600 | |
| 2019-20 | 4,884,600 | 250,000 | 0 | 5,134,600 | |
| 2020-21 | 5,134,600 | 250,000 | 100,000 | 5,284,600 | Phase II Design |
| 2021-22 | 5,284,600 | 250,000 | 2,500,000 | 3,034,600 | Phase II Construction (10 Ac) |
| 2022-23 | 3,034,600 | 250,000 | 1,400,000 | 1,884,600 | Phase II Construction (10 Ac) |
| 2023-24 | 1,884,600 | 250,000 | 0 | 2,134,600 | |
| 2024-25 | 2,134,600 | 250,000 | 0 | 2,384,600 | |
| 2025-26 | 2,384,600 | 250,000 | 3,800,000 | -1,165,400 | Phase III Design/Construction |
| 2026-27 | -1,165,400 | 250,000 | 1,100,000 | -2,015,400 | Phase III Construction (9.0 Ac) |
| 2027-28 | -2,015,400 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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.

For the current planning period, deposits will be made monthly providing a total annual deposit \$1,400,000 (previously \$1,000,000). Cost estimates were adjusted significantly in 2011 based on new emission guidelines and additional borrowing or alternate methods of purchasing to include leasing may be required. The Equipment Fund remains underfunded for the long-term planning periods; however, the short term (five year) projections are adequate. A recent State Contract and other cooperative procurement programs has allowed the Authority to purchase certain equipment a lower price than previously budgeted.

Staff anticipates the Authority's borrowing levels are sufficient to cover all new equipment needed with the transition from gondolas to shipping containers or trailers. The existing and future trailers to be purchased are anticipated to start being replaced in seven years. If trucking is the final mode of transportation, staff will be able to surplus several pieces of equipment or move equipment from the landfill to the transfer stations to be used as a back-up or primary machine to minimize the purchase of additional equipment.

Currently all equipment expenditures are based on the purchase of new equipment with little or no trade-in value for equipment to be replaced or deleted from service. As noted in the past, staff may be able to lease or lease purchase equipment to off-set the long term deficit.

The Equipment 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 & note below |
| 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 | 1,147,615 | 1,638,990 | See Attached |
| 2017-18 | 1,638,990 | 1,400,000 | 587,500 | 2,451,490 | See Attached |
| 2018-19 | 2,451,490 | 1,400,000 | 2,755,967 | 1,095,523 | See Attached |
| 2019-20 | 1,095,523 | 1,400,000 | 1,236,000 | 1,259,523 | See Attached |
| 2020-21 | 1,259,523 | 1,400,000 | 70,000 | 2,589,523 | See Attached |
| 2021-22 | 2,589,523 | 1,400,000 | 498,223 | 3,491,300 | See Attached |
| 2022-23 | 3,491,300 | 1,400,000 | 581,590 | 4,309,710 | See Attached |
| 2023-24 | 4,309,710 | 1,400,000 | 2,097,082 | 3,612,628 | See Attached |
| 2024-25 | 3,612,628 | 1,400,000 | 3,396,384 | 1,616,244 | See Attached |
| 2025-26 | 1,616,244 | 1,400,000 | 4,168,649 | -1,152,405 | See Attached |
| 2026-27 | -1,152,405 | 1,400,000 | 3,093,689 | -2,846,094 | See Attached |
| 2027-28 | -2,846,094 | | | | |
| | | | | | |



Major Equipment Replacement Schedule

| Equipment Description | year | site | FY 2017-18 | FY 2018-19 | FY 2019-20 | FY 2020-21 | FY 2021-22 | FY 2022-23 | FY 2023-24 | FY 2024-25 | FY 2025-26 | FY 2026-27 |
|---|------|------|------------|-------------|-------------|------------|------------|------------|------------|------------|-------------|-------------|
| Cat 627 #1 Scraper | 2000 | SG | | | | | | | | | | |
| Volvo EC 300 D Excavator | 2011 | SG | | | | | \$265,723 | | | | | |
| Komatsu D155A Bulldozer | 2007 | SG | | \$656,217 | | | | | | | | |
| John Deere Bulldozer small | 2012 | SG | | | | | | | \$420,807 | | | |
| Cat 826G #1 Compactor | 2003 | SG | | \$1,200,000 | | | | | | | | \$1,475,849 |
| Cat 826G #2 Compactor | 2012 | SG | | | \$1,236,000 | | | | | | \$1,432,863 | |
| Cat 826 G #3 Compactor | 2013 | SG | | | | | | | | | | |
| Cat 973 Track Loader | 1992 | SG | | | | | | | | | | |
| Cat D400D #2 Haul Truck ¹ | 1993 | SG | | \$379,250 | | | | | | | | |
| 40- ton Volvo Haul ¹ | 2008 | SG | \$370,000 | | | | | | | | | |
| Cat D400D #5 Haul Truck ¹ | NEW | SG | | | | | | | | | | |
| 40- ton Haul Truck ² | 2010 | SG | | | | | | | | | | |
| 40- ton Volvo Haul Truck ² | 2008 | SG | | | | | | | | | | |
| John Deere 744K wheel Loader | 2015 | SG | | | | | | | | | | |
| John Deere 744K wheel Loader ³ | 2015 | SG | | | | | | | | | | |
| Cat 966 Wheel Loader ⁴ | 2004 | SG | | | | | | | | | | |
| Cat 920C Wheel Loader | 1985 | SG | | | | | | | | | | |
| Rail King ⁴ | 2013 | SG | | | | | | | | | | |
| Trackmobile # 2 ⁴ | 2003 | SG | | | | | | | | | | |
| Cat 130G Motor Grader | 1976 | SG | | \$200,000 | | | | | | | | |
| Doosan/225 LC3 | 2015 | SG | | | | | | | | | | |
| Excavator John 200 CLC ³ | 2004 | SG | | | | | | | | | | |
| Finn T 330 Hydo Seeder/ Water TRK | 2015 | SG | | | | | | | | | | |
| A.C. C60 Forklift | 1983 | SG | | | | | | | | | | |
| Ford L9000 Dump Truck ² | 1992 | SG | | | | | | \$135,000 | | | | |
| New Holland | 2000 | SG | | | | | | | | | | |
| Ford 150 Crew Cab | 2009 | SG | | | | | | | | | | |
| Ford F 150 Crew Cab | 2013 | SG | | | \$35,000 | | | | | | | |
| Dodge Crew Cab | 2003 | SG | | | | | | | | | | |
| Dodge Service Truck | 2001 | SG | | | | | | | | | | |
| Freight Car Mobile Lube Truck | 2011 | SG | | | | | | | | | | |
| Freightliner Roll-off | 2000 | SG | | | | | \$120,000 | | | | | |
| Landfill Tractor ⁵ | 2017 | SG | | | | | | | | | | |
| Landfill Tractor ⁵ | 2018 | SG | | | | | | | | | | |
| Landfill Tractor ⁵ | 2018 | SG | | | | | | | | | | |
| SUB-TOTAL | | | \$370,000 | \$2,435,467 | \$1,236,000 | \$35,000 | \$385,723 | \$135,000 | \$420,807 | \$0 | \$1,432,863 | \$1,475,849 |

Notes:
 1. Anticipate replacing 40-ton haul trucks with 25-ton haul trucks & tandems
 2. Trade in/surplus for twenty ton dump trucks
 3. Transfer to Salem's Transfer Station for back-up
 4. Surplus
 5. Initial Purchase from Debt

17

18

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

| <i>Groundwater Reserve Fund</i> | | | | | |
|---------------------------------|-------------------|----------------|----------|----------------|-----------------|
| 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 Planned Uses |
| 2013-14 | 500,000 | 0 | 0 | 500,000 | No Planned Uses |
| 2014-15 | 500,000 | 0 | 0 | 500,000 | No Planned Uses |
| 2015-16 | 500,000 | 0 | 0 | 500,000 | No Planned Uses |
| 2016-17 | 500,000 | 0 | 0 | 500,000 | No Planned Uses |
| 2017-18 | 500,000 | 0 | 0 | 500,000 | No Planned Uses |
| 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 | | | | |

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.

Host Community Reserve Fund

| 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 |

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 \$384,759 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.

| <i>Property Protection Reserve Fund</i> | | | | | |
|--|-------------------|----------------|----------|----------------|------------------------------|
| 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 Projected |
| 2013-14 | 443,193 | 0 | 0 | 443,193 | None Projected |
| 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 | 20,000 | 364,779 | Potential Sale 8750 Bradshaw |
| 2017-18 | 364,779 | 0 | 0 | 364,779 | None Projected |
| 2018-19 | 364,779 | 0 | 0 | 364,779 | None Projected |
| 2019-20 | 364,779 | 0 | 0 | 364,779 | None Projected |
| 2020-21 | 364,779 | 0 | 0 | 364,779 | None Projected |
| 2021-22 | 364,779 | 0 | 0 | 364,779 | None Projected |
| 2022-23 | 364,779 | 0 | 0 | 364,779 | None Projected |
| 2023-24 | 364,779 | 0 | 0 | 364,779 | None Projected |
| 2024-25 | 364,779 | 0 | 0 | 364,779 | None Projected |
| 2025-26 | 364,779 | 0 | 0 | 364,779 | None Projected |
| 2026-27 | 364,779 | 0 | 0 | 364,779 | None Projected |
| 2027-28 | 364,779 | | | | |

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, deposits will be made monthly providing a total annual deposit \$700,000, previously \$500,000. Existing funds are adequate for the immediate five-year planning period as shown. Staff has currently contracted with Smith Gardner & Associates to develop the plans and specifications for Phase VI. We anticipate construction to begin in the spring of 2017. At this time, the Fund is inadequate for the ten-year planning period; however, staff is working with our consultant increase the air space for Phase VII so that Phase VIII can be delayed until additional deposits are made to this reserve account. If that is not possible additional borrowing may be required in the future.

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 | See Attached |
| 1999-20 | 3,205,000 | 500,000 | 914,591 | 2,790,409 | See Attached |
| 2000-01 | 2,790,409 | 500,000 | 660,033 | 2,630,376 | See Attached |
| 2001-02 | 2,630,376 | 500,000 | 104,491 | 3,025,885 | See Attached |
| 2002-03 | 3,025,885 | 500,000 | 105,973 | 3,419,912 | See Attached |
| 2003-04 | 3,419,912 | 500,000 | 167,375 | 3,752,537 | See Attached |
| 2004-05 | 3,752,537 | 500,000 | 47,057 | 4,205,480 | See Attached |
| 2005-06 | 4,205,480 | 500,000 | 41,582 | 4,663,898 | See Attached |
| 2006-07 | 4,663,898 | 500,000 | 904,313 | 4,259,585 | See Attached |
| 2007-08 | 4,259,585 | 1,500,000 | 4,414,187 | 1,345,398 | See Attached & note below |
| 2008-09 | 1,345,398 | 500,000 | 1,096,295 | 749,103 | See Attached |
| 2009-10 | 749,103 | 300,000 | 98,985 | 950,118 | See Attached |
| 2010-11 | 950,118 | 100,000 | 0 | 1,050,118 | See Attached |
| 2011-12 | 1,050,118 | 100,000 | 0 | 1,150,118 | See Attached |
| 2012-13 | 1,150,118 | 500,000 | 0 | 1,650,118 | See Attached |
| 2013-14 | 1,650,118 | 500,000 | 0 | 2,150,118 | See Attached |
| 2014-15 | 2,150,118 | 500,000 | 0 | 2,650,118 | See Attached |
| 2015-16 | 2,650,118 | 500,000 | 0 | 3,150,118 | See Attached |
| 2016-17 | 3,150,118 | 500,000 | 1,100,000 | 2,550,118 | See Attached |
| 2017-18 | 2,550,118 | 700,000 | 2,500,000 | 750,118 | See Attached |
| 2018-19 | 750,118 | 700,000 | 0 | 1,450,118 | See Attached |
| 2019-20 | 1,450,118 | 700,000 | 0 | 2,150,118 | See Attached |
| 2020-21 | 2,150,118 | 700,000 | 300,000 | 2,550,118 | See Attached |
| 2021-22 | 2,550,118 | 700,000 | 3,150,000 | 100,118 | See Attached |
| 2022-23 | 100,118 | 700,000 | 2,050,000 | -1,249,882 | See Attached |
| 2023-24 | -1,249,882 | 700,000 | 0 | -549,882 | See Attached |
| 2024-25 | -549,882 | 700,000 | 0 | 150,118 | See Attached |
| 2025-26 | 150,118 | 700,000 | 4,650,000 | -3,799,882 | See Attached |
| 2026-27 | -3,799,882 | 700,000 | 1,150,000 | -4,249,882 | See Attached |
| 2027-28 | -4,249,882 | | | | See Attached |
| 2027-28 | | | | | See Attached |

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

SITE DEVELOPMENT COSTS

SMITH GAP LANDFILL

| FISCAL YEAR | ACTIVITY | EXPENSES |
|-------------|---|--------------|
| 2014-15 | no activity | \$ - |
| 2015-16 | no activity | \$ - |
| 2016-17 | engineering phase 6 liner (7.64ac) \$ 300,000 construction phase 6 liner (7.64ac) \$ 600,000 construction management \$ 200,000 | \$ 1,100,000 |
| 2017-18 | engineering phase 6 liner (7.64ac) \$ - construction phase 6 liner (7.64ac) \$ 2,300,000 construction management \$ 200,000 | \$ 2,500,000 |
| 2018-19 | no activity | \$ - |
| 2019-20 | no activity | \$ - |
| 2020-21 | engineering phase 7 liner (10.07 ac) \$ 300,000 construction phase 7 liner (10.07 ac) \$ - construction management \$ - | \$ 300,000 |
| 2021-22 | engineering phase 7 liner (10.07 ac) \$ - construction phase 7 liner (10.07ac) \$ 2,700,000 construction management \$ 450,000 | \$ 3,150,000 |
| 2022-23 | construction phase 7 liner (10.07ac) \$ 1,700,000 construction management \$ 350,000 | \$ 2,050,000 |

**SITE DEVELOPMENT
COSTS
CONTINUED**

| FISCAL YEAR | ACTIVITY | EXPENSES | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------------------|-----------------|--|---------------|-----------------|----------|--------------|---------------------------|--|---------------|--|---------------|----|--------------------------|--|--------------|----------------|--|-------------------------|--------------|--|----------------|--------------|--|----------------|--------------|--|--------------|
| 2023-24 | no activity | \$ - | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2024-25 | no activity | \$ - | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2025-26 | engineering phase 8 liner (8.8 ac) \$ 300,000 construction phase 8 liner (8.8 ac) \$ 4,000,000 construction management \$ 350,000 | \$ 4,650,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2026-27 | engineering phase 8 liner (8.8 ac) \$ - construction phase 8 liner (8.8 ac) \$ 1,000,000 construction management \$ 150,000 | \$ 1,150,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2027-28 | no activity | \$ - | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table> <tr> <td>estimated costs</td><td></td><td>\$ 14,900,000</td></tr> <tr> <td>available funds</td><td>7/1/2017</td><td>\$ 2,550,118</td></tr> <tr> <td>additional funds required</td><td></td><td>\$ 12,349,882</td></tr> <tr> <td></td><td>deposit years</td><td>10</td></tr> <tr> <td>annual deposits required</td><td></td><td>\$ 1,234,988</td></tr> <tr> <td>deposit amount</td><td></td><td>(no borrowing required)</td></tr> <tr> <td>\$ 1,000,000</td><td></td><td>\$ (2,349,882)</td></tr> <tr> <td>\$ 1,100,000</td><td></td><td>\$ (1,349,882)</td></tr> <tr> <td>\$ 1,200,000</td><td></td><td>\$ (349,882)</td></tr> </table> | | | estimated costs | | \$ 14,900,000 | available funds | 7/1/2017 | \$ 2,550,118 | additional funds required | | \$ 12,349,882 | | deposit years | 10 | annual deposits required | | \$ 1,234,988 | deposit amount | | (no borrowing required) | \$ 1,000,000 | | \$ (2,349,882) | \$ 1,100,000 | | \$ (1,349,882) | \$ 1,200,000 | | \$ (349,882) |
| estimated costs | | \$ 14,900,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| available funds | 7/1/2017 | \$ 2,550,118 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| additional funds required | | \$ 12,349,882 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | deposit years | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| annual deposits required | | \$ 1,234,988 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| deposit amount | | (no borrowing required) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| \$ 1,000,000 | | \$ (2,349,882) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| \$ 1,100,000 | | \$ (1,349,882) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| \$ 1,200,000 | | \$ (349,882) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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.

Previously, the Board authorized an independent Facility Wide Assessment (Report) of the facilities owned and operated by the Resource Authority. The Report identified and prioritized several deficiencies that needed to be addressed and the Board authorized staff to proceed with those high priority projects as soon as possible. With the impending modifications and improvements to the Authority's facilities currently underway, staff has placed a hold on all future capital projects with the intent that when the conversions are made at both Transfer Stations and the landfill, the majority of the deficiencies noted in the Report will be addressed at that time.

The Residential Service Area is approximately ninety-five percent complete. After that project is completed, no additional funding or expenditures are shown for the next ten years and the Funds are deemed to be adequate at this time.

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

| <i>Capital Improvement Reserve Fund</i> | | | | | |
|--|-------------------|----------------|----------|----------------|--------------------------|
| 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 | 118,000 | 252,323 | RSA |
| 2017-18 | 252,323 | 0 | 0 | 252,323 | No work Planned |
| 2018-19 | 252,323 | 0 | 0 | 252,323 | No work Planned |
| 2019-20 | 252,323 | 0 | 0 | 252,323 | No work Planned |
| 2020-21 | 252,323 | 0 | 0 | 252,323 | No work Planned |
| 2021-22 | 252,323 | 0 | 0 | 252,323 | No work Planned |
| 2022-23 | 252,323 | 0 | 0 | 252,323 | No work Planned |
| 2023-24 | 252,323 | 0 | 0 | 252,323 | No work Planned |
| 2024-25 | 252,323 | 0 | 0 | 252,323 | No work Planned |
| 2025-26 | 252,323 | 0 | 0 | 252,323 | No work Planned |
| 2026-27 | | | | | |
| 2027-28 | | | | | |
| 2028-29 | | | | | |

Notes: Funds (\$423,407) from VDOT's purchase of the ROW were deposited in FY 2014

CAPITAL IMPROVEMENT
LIST

| Project List | FY 2017-18 | FY 2018-19 | FY 2019-20 | FY 2020-21 | FY 2021-22 | FY 2022-23 | FY 2023-24 | FY 2024-25 | FY 2024-25 | FY 2025-26 |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Smith Gap Tipper Repair | | | | | | | | | | |
| South Pit retaining Wall | | | | | | | | | | |
| Roofing Repairs (SG) (15-16) | | | | | | | | | | |
| Insulation & Lighting (TS & SG)(15-16) | | | | | | | | | | |
| Overlay Concrete Floor (TS) | | | | | | | | | | |
| Renovate Bathrooms & Shwrs | | | | | | | | | | |
| Overlay Asphalt Roads | | | | | | | | | | |
| New Steel Plating Tunnel (TS) | | | | | | | | | | |
| New Steel Plating Pit (SG) | | | | | | | | | | |
| Replace CMP Riser SB # 4 (SG) | | | | | | | | | | |
| Install additional In-bound Scale | | | | | | | | | | |
| Concrete Slab & Retaining Wall (mulch) | | | | | | | | | | |
| Gondola Replacement (2 ea/yr) | | | | | | | | | | |
| Replace all Carpet and Tile (TS) | | | | | | | | | | |
| Totals | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - |

Some long range capital projects will no longer be needed, since we are switching over to a trucking operation.

We also anticipate upgrading several of the projects during the conversion of the transfer stations and regional landfill from rail to trucking.

| | | | | | | | | | | |
|--------------------------|----|----|---|---|---|---|---|---|----|---|
| Smith Gap Totals | 0% | \$ | - | - | - | - | - | - | - | - |
| Transfer Station Totals | 0% | \$ | - | - | - | - | - | - | - | - |
| Totals | | \$ | - | - | - | - | - | - | \$ | - |
| Annual Deposits Required | | \$ | - | - | - | - | - | - | \$ | - |

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 Rutrough Road Landfill Post-Closure Fund (RRLF PC Fund) is inadequate for the five year planning period and staff anticipates that this reserve account will be depleted at the current rate of expenditures within the next year. Therefore, staff has moved the post-closure care responsibilities to the appropriate operating accounts for FY 2018 and will continue to do so for future expenditures. The funds remaining in the RRLF PC Fund will be used to fund the Authority’s share of the lift station and force main in addition to some minor maintenance and repairs of the existing sediment basins. Once the Funds have been totally exhausted, this reserve account will be deleted.

ROANOKE VALLEY RESOURCE AUTHORITY
APPROXIMATE POST-CLOSURE CARE COSTS
RUTROUGH ROAD LANDFILL
FOR THE YEARS 1996 THROUGH 2016

Date: July 19, 2016

| YEAR | Cap Maint. & ESC | ROAD MAINT | MISC | MOWING | G/W SAMPLING | GAS SYST O & M | LEACHATE O & M | CAPITAL | ADMIN | TOTAL EXPENSES | INITIAL DEPOSIT | INTEREST INCOME | FUND BALANCE |
|--------------|---------------------|------------------|-------------------|-------------------|---------------------|-------------------|---------------------|-------------------|-------------------|---------------------|--------------------|---------------------|-----------------|
| 1996 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 260,602 | \$ 6,452,077 | \$ 367,686 | \$ 6,559,161 |
| 1997 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 143,180 | \$ 6,561,769 | \$ 296,018 | \$ 6,714,607 |
| 1998 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 699,337 | \$ 6,772,712 | \$ 415,543 | \$ 6,488,918 |
| 1999 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 373,485 | \$ 6,656,586 | \$ 357,990 | \$ 6,641,091 |
| 2000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 274,596 | \$ 6,502,918 | \$ 454,557 | \$ 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 | \$ 56,992 | \$ 125,000 | \$ 561,005 | \$ 3,035,798 | \$ 9,261 | \$ 3,045,059 |
| 2013 | \$ - | \$ - | \$ 2,056 | \$ 12,254 | \$ 80,760 | \$ 26,184 | \$ 206,912 | \$ - | \$ - | \$ 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 | \$ 1,322,140 |
| 2017 | | | | | | | | | | | | | |
| 2018 | | | | | | | | | | | | | |
| 2019 | | | | | | | | | | | | | |
| 2020 | | | | | | | | | | | | | |
| 2021 | | | | | | | | | | | | | |
| 2022 | | | | | | | | | | | | | |
| 2023 | | | | | | | | | | | | | |
| 2024 | | | | | | | | | | | | | |
| 2025 | | | | | | | | | | | | | |
| 2026 | | | | | | | | | | | | | |
| TOTAL | \$ 73,594 | \$ 44,981 | \$ 130,426 | \$ 110,107 | \$ 1,025,751 | \$ 356,144 | \$ 3,635,237 | \$ 957,768 | \$ 591,886 | \$ 8,824,714 | | \$ 3,730,191 | |

For Information Only

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

Date: July 1, 2017

| YEAR | Cap Maint. & ESC | ROAD MAINT. | MISC EXPENSE | MOWING | G/W SAMPLING | GAS SYST O & M | LEACHATE O & M | CAPITAL | ADMIN | TOTAL EXPENSES | INITIAL DEPOSIT | INTEREST INCOME | FUND BALANCE |
|--------------|---------------------|----------------|-----------------|-------------|-----------------|-------------------|-------------------|-------------------|------------|-------------------|--------------------|--------------------|-----------------|
| 2018 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$816,748 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 2019 | \$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 |
| 2021 | \$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 |
| 2023 | \$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 |
| 2025 | \$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 |
| 2027 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 816,748 | \$0 | \$ 816,748 | | \$ - | |

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.

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. Funds are adequate for the immediate planning period.

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 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Contingency Funds Available \$ 2,462,446

Proposed Transfer for FY 2017-2018 Budget \$ -

Contingency Balance \$ 2,462,446

ROANOKE VALLEY RESOURCE AUTHORITY

2017-18 BUDGET



SALEM TRANSFER STATION

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 | | |

BUDGET SUMMARY

SUMMARY

| REVENUE | | 2017-2018 | | |
|--------------|--|-----------|------------|---------------------|
| | Disposal Fees | \$ | 12,868,350 | |
| | Interest Income | \$ | 100,000 | |
| | Transfer from Contingency Reserve Fund | \$ | (0) | |
| | Sale of Recyclable Material | \$ | 37,000 | |
| | Miscellaneous - Mulch | \$ | 40,000 | |
| | | | | Total \$ 13,045,350 |
| EXPENSES | | | | |
| | Personnel | | | |
| | Administrative | \$ | 706,997 | |
| | Tinker Creek Transfer Station | \$ | 856,952 | |
| | Salem Transfer Station | \$ | 489,018 | |
| | Smith Gap | \$ | 809,314 | |
| | Totals | | | \$ 2,862,282 |
| | Operating | | | |
| | Administrative | \$ | 1,093,220 | |
| | Tinker Creek Transfer Station | \$ | 3,265,971 | |
| | Salem Transfer Station | \$ | 749,573 | |
| | Smith Gap | \$ | 1,302,118 | |
| | Totals | | | \$ 6,410,883 |
| CAPITAL | | | | |
| | Totals | | | \$ - |
| RESERVES | | | | |
| | Administrative | \$ | 42,500 | |
| | Tinker Creek Transfer Station | \$ | 457,967 | |
| | Salem Transfer Station | \$ | 337,414 | |
| | Smith Gap | \$ | 1,522,118 | |
| | Totals | | | \$ 2,360,000 |
| DEBT SERVICE | | \$ | 1,412,185 | |
| | Totals | | | \$ 1,412,185 |
| TOTALS | | | | |
| | Administrative | \$ | 1,842,717 | |
| | Tinker Creek Transfer Station | \$ | 4,580,891 | |
| | Salem Transfer Station | \$ | 1,576,006 | |
| | Smith Gap | \$ | 3,633,551 | |
| | Debt Service | \$ | 1,412,185 | |
| | | | | Total \$ 13,045,350 |

| | 2012-2013 | 2013-2014 | 2014-2015 | 2015-2016 | 2016-2017 | 2017-2018 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| REVENUE | | | | | | |
| Disposal Fees | \$ 7,326,600 | \$ 7,729,480 | \$ 7,932,050 | \$ 7,981,200 | \$ 8,172,350 | \$12,868,350 |
| Interest Income | \$ 28,000 | \$ 28,000 | \$ 32,000 | \$ 35,000 | \$ 50,000 | \$ 100,000 |
| Transfer from Contingency Reserve Fund | \$ 490,991 | \$ 405,405 | \$ 456,323 | \$ 434,974 | \$ 50,509 | \$ (0) |
| Sale of Recyclable Material | \$ 55,000 | \$ 35,000 | \$ 35,000 | \$ 38,000 | \$ 33,933 | \$ 37,000 |
| Mulch sales | \$ 39,450 | \$ 39,450 | \$ 46,830 | \$ 36,000 | \$ 31,500 | \$ 40,000 |
| Miscellaneous | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| TOTAL | \$ 7,940,041 | \$ 8,237,335 | \$ 8,502,203 | \$ 8,525,174 | \$ 8,338,292 | \$13,045,350 |

EXPENSES

| | | | | | | |
|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Personnel | \$ 1,972,540 | \$ 2,004,856 | \$ 2,126,647 | \$ 2,183,227 | \$ 2,152,723 | \$ 2,862,282 |
| Operating | \$ 3,995,501 | \$ 4,118,479 | \$ 4,260,556 | \$ 4,216,947 | \$ 4,055,569 | \$ 6,410,883 |
| Capital | \$ 12,000 | \$ 14,000 | \$ 15,000 | \$ 25,000 | \$ 30,000 | \$ - |
| Transfer to Reserves | \$ 1,960,000 | \$ 2,100,000 | \$ 2,100,000 | \$ 2,100,000 | \$ 2,100,000 | \$ 2,360,000 |
| Debt Service | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,412,185 |
| TOTAL | \$ 7,940,041 | \$ 8,237,335 | \$ 8,502,203 | \$ 8,525,174 | \$ 8,338,292 | \$13,045,350 |

DISPOSAL FEES

| | | | | | | |
|---------------------------|--------|------|------|------|-------|-------|
| Municipal \$ per ton | 45 | 47 | 48 | 49 | 49.5 | 49.5 |
| Private \$ per ton | 55 | 57 | 58 | 59 | 59.5 | 59.5 |
| % INCREASE in expenses | -16.2% | 3.7% | 3.2% | 0.3% | -2.2% | 56.5% |

REVENUES

REVENUES

| CODE | DESCRIPTION | FY16-17 | FY17-18 | JUSTIFICATION |
|-------|--|--------------------|---------------------|---|
| 9202 | Total Tipping Fees | \$8,344,000 | \$12,868,350 | <p>Based on tonnage receipts of : 228,100</p> <p>Municipal 95,200 tons \$ 4,948,800</p> <p>Commercial 84,700 tons \$ 5,057,150</p> <p>Private 27,000 tons \$ 1,707,500</p> <p>Residential 8,200 tons \$ 465,900</p> <p>Contracted MSW 13,000 tons \$ 689,000</p> <p>Total \$ 12,868,350</p> |
| 15100 | Interest Income | \$ 50,000 | \$ 100,000 | Operating & Other Reserve \$ 100,000 |
| 40956 | Transfer from Contingency Reserve Fund | \$ 50,509 | \$ (0) | Funds available from Contingency Reserve |
| 16916 | Sale of Recyclable Material | \$ 33,933 | \$ 37,000 | Sale of Recyclable Scrap Metal & Miscellaneous |
| 18120 | Mulch Revenue | \$ 31,500 | \$ 40,000 | Mulch Sales \$ 40,000 |
| | Miscellaneous Revenue | \$ - | \$ - | Miscellaneous sales |
| | TOTAL REVENUE | \$8,509,942 | \$13,045,350 | |

TIPPING FEES

| CODE | DESCRIPTION | FY16-17 | FY17-18 | JUSTIFICATION |
|-------|-------------------|-------------|--------------|--|
| 16906 | City of Roanoke | \$1,965,900 | \$ 1,942,000 | Municipal Waste 37,000 tons @ 49.5 \$ 1,831,500 Wood Waste 2,900 tons @ 35 \$ 101,500 Tires 50 tons @ 120 \$ 6,000 600 mixed @ 5 \$ 3,000 City of Roanoke Total \$ 1,942,000 |
| 16907 | County of Roanoke | \$1,859,900 | \$ 1,898,300 | Municipal Waste 36,000 tons @ 49.5 \$ 1,782,000 Wood Waste 3,000 tons @ 35 \$ 105,000 Tires 65 tons @ 120 \$ 7,800 700 mixed @ 5 \$ 3,500 County of Roanoke Total \$ 1,898,300 |
| 16908 | Town of Vinton | \$163,900 | \$ 166,000 | Municipal Waste 3,200 tons @ 49.5 \$ 158,400 Wood Waste 200 tons @ 35 \$ 7,000 Tires 5 tons @ 120 \$ 600 - mixed @ 5 \$ - Town of Vinton Total \$ 166,000 |
| 16911 | City Of Salem | \$0 | \$ 942,500 | Municipal Waste 19,000 tons @ 49.5 \$ 940,500 Wood Waste - tons @ 35 \$ - Tires - tons @ 120 \$ - 400 mixed @ 5 \$ 2,000 City of Salem Total \$ 942,500 |

TIPPING FEES

| CODE | DESCRIPTION | FY16-17 | FY17-18 | JUSTIFICATION |
|-------|----------------------------------|--------------------|---------------------|---|
| 16914 | Commercial | \$2,486,250 | \$ 5,057,150 | Commercial Waste 84,700 tons @ 59.5 \$ 5,039,650 Wood Waste 400 tons @ 35 \$ 14,000 Tires - tons @ 120 \$ - 700 mixed @ 5 \$ 3,500 Commercial Total \$ 5,057,150 |
| 16914 | Contracted Municipal Solid Waste | \$ - | \$ 689,000 | Contracted MSW 13,000 tons @ 53.0 \$ 689,000 Contracted MSW \$ 689,000 |
| 16915 | Private | \$1,276,000 | \$ 1,707,500 | Private Waste 27,000 tons @ 59.5 \$ 1,606,500 Wood Waste 2,100 tons @ 35 \$ 73,500 Tires 200 tons @ 120 \$ 24,000 700 mixed @ 5 \$ 3,500 Private Total \$ 1,707,500 |
| 16917 | Residential | \$420,400 | \$ 465,900 | Residential Waste Based on Uniform Disposal Allocation City of Roanoke 43.5% \$ 202,667 County of Roanoke 41.7% \$ 194,280 Town of Vinton 3.6% \$ 16,772 City of Salem 11.2% \$ 52,227 Household 8,200 Tons @ \$49.5 \$ 405,900 Wood waste 1,500 Tons @ \$35 \$ 52,500 Tires 1,500 Tires @ \$5 \$ 7,500 Residential Total \$ 465,900 |
| | TOTAL TIPPING FEES | \$8,172,350 | \$12,868,350 | |

EXPENSES

PERSONNEL

| CODE | DESCRIPTION | FY16-17 | FY17-18 | JUSTIFICATION |
|--------|------------------------------------|--------------|--------------|---|
| 101010 | Salaries | \$ 1,437,621 | \$ 1,879,611 | Salaries for 38 employees |
| 101015 | Overtime | \$ 60,000 | \$ 112,000 | Extra work required on Saturdays, Weekdays & Holidays |
| 101020 | Part - time | \$ 35,000 | \$ 35,000 | Operations, Buildings, and Grounds Maintenance |
| 101116 | Supplements | \$ - | \$ - | Outstanding performance recognition |
| 202100 | F.I.C.A. | \$ 117,245 | \$ 155,036 | 7.65 % of salaries, overtime, part time |
| 202200 | Retirement - VRS | \$ 125,850 | \$ 154,218 | 11.18 % of salaries 25 employees \$ 1,379,406 |
| 202840 | Deferred Comp. Match | \$ 18,850 | \$ 24,700 | \$25 per pay period 38 employees |
| 202203 | Retirement - VRS- Plan 2 | \$ 12,098 | \$ 11,776 | 11.18 % of salaries 3 employees \$ 105,332 |
| 202204 | Retirement - City | \$ 6,614 | \$ 7,526 | 17.04 % of salaries 1 employees \$44,166.90 |
| 202205 | Retirement - VRS- Hybrid | \$ 30,189 | \$ 37,170 | 11.18 % of salaries 9 employees \$ 332,468 |
| 202300 | Hospitalization | \$ 186,027 | \$ 245,194 | 39 participating employees Annual \$ single 23 \$ 111,882 em&sp 5 \$ 30,923 family 6 \$ 50,649 Em & Ch 4 \$ 19,391 retiree 1 \$ 4,848 HRA (twenty-five employees) \$ 27,500 |
| 202310 | Dental | \$ 11,829 | \$ 15,499 | 38 participating employees @ \$34 per month |
| 202400 | Life Insurance - VRS | \$ 18,279 | \$ 24,044 | 1.31 % of salaries 37 employees \$1,835,444 |
| 202401 | Life Insurance - City | \$ 588 | \$ 627 | 1.42 % of salaries 1 employees \$ 44,167 |
| 202500 | Long Term Disability Ins. | \$ 2,781 | \$ 5,545 | 0.59% salaries RVRA pays 50% \$5,545 |
| 202510 | Short Term Disability Ins. | \$ 1,500 | \$ 2,000 | RVRA pays 100% |
| 202700 | Workers' Comp. Ins. | \$ 44,000 | \$ 84,830 | Workers' Comp. Insurance 38 employees |
| 202750 | Retirement Health Insurance Credit | \$ 4,186 | \$ 5,506 | 0.30 % of salaries 37 employees \$1,835,444 |
| 202800 | Termination Pay | \$ 10,000 | \$ 15,000 | Annual and sick leave payments |
| 202810 | Cash-in FLP | \$ 28,000 | \$ 44,000 | Flexible Leave pay out |
| 202830 | Employee Benefits | \$ 2,066 | \$ 3,000 | Retiree Health Insurance |
| | TOTAL PERSONNEL | \$2,152,723 | \$ 2,862,282 | |

| CODE | DESCRIPTION | FY16-17 | FY17-18 | JUSTIFICATION |
|--------|------------------------------------|------------|------------|---|
| 101010 | Salaries | \$ 486,050 | \$ 522,274 | 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. | \$ 37,183 | \$ 39,954 | 7.65 % of salaries, overtime, part time |
| 202200 | Retirement - VRS | \$ 52,763 | \$ 50,506 | 11.18 % of salaries 4 employees \$ 451,754 |
| 202840 | Deferred Comp. Match | \$ 3,250 | \$ 3,250 | \$25 per pay period 5 employees |
| 202203 | Retirement - VRS- Plan 2 | \$ - | \$ - | 11.18 % of salaries 0 employees \$ - |
| 202204 | Retirement - City | \$ - | \$ - | 17.04 % of salaries 1 employees \$ - |
| 202205 | Retirement - VRS- Hybrid | \$ 5,806 | \$ 5,845 | 11.18 % of salaries 1 employees \$ 52,281 |
| 202300 | Hospitalization | \$ 44,500 | \$ 37,809 | 6 participating employees Annual \$ single 2 \$ 8,948 em&sp 1 \$ 6,185 family 1 \$ 7,981 Em & Ch 1 \$ 4,848 retiree 1 \$ 4,848 HRA (six employees) \$ 5,000 |
| 202310 | Dental | \$ 2,039 | \$ 2,039 | 5 participating employees @ \$34 per month |
| 202400 | Life Insurance - VRS | \$ 6,367 | \$ 6,842 | 1.31 % of salaries 5 employees \$ 522,274 |
| 202401 | Life Insurance - City | \$ - | \$ - | 1.42 % of salaries 0 employees \$ - |
| 202500 | Long Term Disability Ins. | \$ 941 | \$ 1,541 | 0.59% salaries RVRA pays 50% \$1,541 |
| 202510 | Short Term Disability Ins. | \$ 259 | \$ 263 | RVRA pays 100% |
| 202700 | Workers' Comp. Ins. | \$ 867 | \$ 670 | Workers' Comp. Insurance 5 employees |
| 202750 | Retirement Health Insurance Credit | \$ 1,458 | \$ 1,567 | 0.30 % of salaries 5 employees \$ 522,274 |
| 202800 | Termination Pay | \$ 10,000 | \$ 15,000 | Annual and sick leave payments |
| 202810 | Cash-in FLP | \$ 18,000 | \$19,043 | Flexible Leave pay out |
| 202830 | Employee Benefits | \$ 357 | \$ 395 | Retiree Health Insurance |
| | TOTAL PERSONNEL | \$ 669,840 | \$ 706,997 | |

| CODE | DESCRIPTION | FY16-17 | FY17-18 | JUSTIFICATION |
|--------|------------------------------------|------------|------------|--|
| 101010 | Salaries | \$ 427,749 | \$ 507,607 | Salaries for 12 employees |
| 101015 | Overtime | \$ 30,000 | \$ 75,000 | Extra work required on Saturdays, Evenings & Holidays |
| 101020 | Part - time | \$ 17,000 | \$ 30,000 | Operations, Buildings, and Grounds Maintenance |
| 101116 | Supplements | \$ 4,000 | \$ - | Outstanding performance recognition |
| 202100 | F.I.C.A. | \$ 36,318 | \$ 46,864 | 7.65 % of salaries, overtime, part time |
| 202200 | Retirement - VRS | \$ 37,246 | \$ 32,938 | 11.18 % of salaries 6 employees \$ 294,614 |
| 202840 | Deferred Comp. Match | \$ 7,150 | \$ 7,800 | \$25 per pay period 12 employees |
| 202203 | Retirement - VRS- Plan 2 | \$ 4,409 | \$ 3,764 | 11.18 % of salaries 1 employees \$ 33,668 |
| 202204 | Retirement - City | \$ 8,694 | \$ 7,526 | 17.04 % of salaries 1 employees \$44,166.90 |
| 202205 | Retirement - VRS- Hybrid | \$ 14,649 | \$ 15,111 | 11.18 % of salaries 3 employees \$ 135,158 |
| 202300 | Hospitalization | \$ 87,293 | \$ 77,049 | 12 participating employees Annual \$ single 6 \$ 28,640 em&sp 2 \$ 12,369 family 2 \$ 17,344 Em & Ch 2 \$ 9,696 HRA (twelve employees) \$ 9,000 |
| 202310 | Dental | \$ 4,487 | \$ 4,895 | 12 participating employees @ \$34 per month |
| 202400 | Life Insurance - VRS | \$ 4,625 | \$ 6,071 | 1.31 % of salaries 10 employees \$ 463,440 |
| 202401 | Life Insurance - City | \$ 544 | \$ 627 | 1.42 % of salaries 1 employees \$ 44,167 |
| 202500 | Long Term Disability Ins. | \$ 828 | \$ 1,497 | 0.59% salaries RVRA pays 50% \$1,497 |
| 202510 | Short Term Disability Ins. | \$ 569 | \$ 632 | RVRA pays 100% |
| 202700 | Workers' Comp. Ins. | \$ 13,500 | \$ 27,700 | Workers' Comp. Insurance 12 employees |
| 202750 | Retirement Health Insurance Credit | \$ 1,127 | \$ 1,390 | 0.30 % of salaries 10 employees \$ 463,440 |
| 202800 | Termination Pay | \$ - | \$ - | Annual and sick leave payments |
| 202810 | Cash-in FLP | \$ 3,968 | \$ 9,534 | Flexible Leave pay out |
| 202830 | Employee Benefits | \$ 20,293 | \$ 947 | Retiree Health Insurance |
| | TOTAL PERSONNEL | \$ 724,449 | \$ 856,952 | |

| CODE | DESCRIPTION | FY16-17 | FY17-18 | JUSTIFICATION |
|--------|------------------------------------|---------|------------|--|
| 101010 | Salaries | \$ - | \$ 321,151 | Salaries for 8 employees |
| 101015 | Overtime | \$ - | \$ 7,962 | Extra work required on Saturdays & Holidays |
| 101020 | Part - time | \$ - | \$ 5,000 | Operations, Buildings, and Grounds Maintenance |
| 101116 | Supplements | \$ - | \$ - | Outstanding performance recognition |
| 202100 | F.I.C.A. | \$ - | \$ 25,560 | 7.65 % of salaries, overtime, part time |
| 202200 | Retirement - VRS | \$ - | \$ 35,905 | 11.18 % of salaries 6 employees \$ 321,151 |
| 202840 | Deferred Comp. Match | \$ - | \$ 5,200 | \$25 per pay period 8 employees |
| 202203 | Retirement - VRS- Plan 2 | \$ - | \$ - | 11.18 % of salaries 1 employees \$ - |
| 202204 | Retirement - City | \$ - | \$ - | 17.04 % of salaries 1 employees \$0.00 |
| 202205 | Retirement - VRS- Hybrid | \$ - | \$ - | 11.18 % of salaries 3 employees \$ - |
| 202300 | Hospitalization | \$ - | \$ 48,773 | 8 participating employees Annual \$ single 7 \$ 34,910 em&sp 0 \$ - family 1 \$ 9,363 Em & Ch 0 \$ - HRA (eight employees) \$ 4,500 |
| 202310 | Dental | \$ - | \$ 3,263 | 8 participating employees @ \$34 per month |
| 202400 | Life Insurance - VRS | \$ - | \$ 4,207 | 1.31 % of salaries 10 employees \$ 321,151 |
| 202401 | Life Insurance - City | \$ - | \$ - | 1.42 % of salaries 1 employees \$ - |
| 202500 | Long Term Disability Ins. | \$ - | \$ 947 | 0.59% salaries RVRA pays 50% \$947 |
| 202510 | Short Term Disability Ins. | \$ - | \$ 421 | RVRA pays 100% |
| 202700 | Workers' Comp. Ins. | \$ - | \$ 19,500 | Workers' Comp. Insurance 8 employees |
| 202750 | Retirement Health Insurance Credit | \$ - | \$ 963 | 0.30 % of salaries 10 employees \$ 321,151 |
| 202800 | Termination Pay | \$ - | \$ - | Annual and sick leave payments |
| 202810 | Cash-in FLP | \$ - | \$ 9,534 | Flexible Leave pay out |
| 202830 | Employee Benefits | \$ - | \$ 632 | Retiree Health Insurance |
| | TOTAL PERSONNEL | \$ - | \$ 489,018 | |

| CODE | DESCRIPTION | FY16-17 | FY17-18 | JUSTIFICATION |
|--------|------------------------------------|------------|------------|--|
| 101010 | Salaries | \$ 504,936 | \$ 528,579 | Salaries for 13 employees |
| 101015 | Overtime | \$ 22,000 | \$ 29,038 | Extra work required on Saturdays & Holidays |
| 101020 | Part - time | \$ - | \$ - | Operations, Buildings, and Grounds Maintenance |
| 101116 | Supplements | \$ - | \$ - | Outstanding performance recognition |
| 202100 | F.I.C.A. | \$ 40,311 | \$ 42,658 | 7.65 % of salaries, overtime, part time |
| 202200 | Retirement - VRS | \$ 40,448 | \$ 34,869 | 11.18 % of salaries 8 employees \$311,886 |
| 202840 | Deferred Comp. Match | \$ 8,450 | \$ 8,450 | \$25 per pay period 13 employees |
| 202203 | Retirement - VRS- Plan 2 | \$ 8,200 | \$ 8,012 | 11.18 % of salaries 2 employees \$71,663.64 |
| 202204 | Retirement - City | \$ - | \$ - | 17.04 % of salaries 0 employees \$ - |
| 202205 | Retirement - VRS- Hybrid | \$ 12,198 | \$ 16,214 | 11.18 % of salaries 3 employees \$145,029 |
| 202300 | Hospitalization | \$ 75,928 | \$ 81,563 | 13 participating employees Annual \$ single 8 \$ 39,384 em&sp 2 \$ 12,369 family 2 \$ 15,962 Em & Ch 1 \$ 4,848 HRA (thirteen employees) \$ 9,000 |
| 202310 | Dental | \$ 5,302 | \$ 5,302 | 13 participating employees @ \$34 per month |
| 202400 | Life Insurance - VRS | \$ 6,615 | \$ 6,924 | 1.31 % of salaries 13 employees \$ 528,579 |
| 202401 | Life Insurance - City | \$ - | \$ - | 1.42 % of salaries 0 employees \$ - |
| 202500 | Long Term Disability Ins. | \$ 977 | \$ 1,559 | 0.59% salaries RVRA pays 50% \$1,559 |
| 202510 | Short Term Disability Ins. | \$ 672 | \$ 684 | RVRA pays 100% |
| 202700 | Workers' Comp. Ins. | \$ 29,633 | \$ 36,960 | Workers' Comp. Insurance 13 employees |
| 202750 | Retirement Health Insurance Credit | \$ 1,515 | \$ 1,586 | 0.30 % of salaries 13 employees \$ 528,579 |
| 202800 | Termination Pay | \$ - | \$ - | Annual and sick leave payments |
| 202810 | Cash-in FLP | \$ 4,300 | \$ 5,890 | Flexible Leave pay out |
| 202830 | Employee Benefits | \$ 925 | \$ 1,026 | Retiree Health Insurance |
| | TOTAL PERSONNEL | \$ 762,410 | \$ 809,314 | |

| CODE | DESCRIPTION | FY17-18 | AD | TCTS | STS | SG |
|--------|------------------------------------|--------------|------------|------------|------------|------------|
| 101010 | Salaries | \$ 1,879,611 | \$ 522,274 | \$ 507,607 | \$ 321,151 | \$ 528,579 |
| 101015 | Overtime | \$ 112,000 | \$ - | \$ 75,000 | \$ 7,962 | \$ 29,038 |
| 101020 | Part - time | \$ 35,000 | \$ - | \$ 30,000 | \$ 5,000 | \$ - |
| 101116 | Supplements | \$ - | \$ - | \$ - | \$ - | \$ - |
| 202100 | F.I.C.A. | \$ 155,036 | \$ 39,954 | \$ 46,864 | \$ 25,560 | \$ 42,658 |
| 202200 | Retirement - VRS | \$ 154,218 | \$ 50,506 | \$ 32,938 | \$ 35,905 | \$ 34,869 |
| 202840 | Deferred Comp. Match | \$ 24,700 | \$ 3,250 | \$ 7,800 | \$ 5,200 | \$ 8,450 |
| 202203 | Retirement - VRS Plan 2 | \$ 11,776 | \$ - | \$ 3,764 | \$ - | \$ 8,012 |
| 202204 | Retirement - City | \$ 7,526 | \$ - | \$ 7,526 | \$ - | \$ - |
| 202205 | Retirement - VRS Hybrid | \$ 37,170 | \$ 5,845 | \$ 15,111 | \$ - | \$ 16,214 |
| 202300 | Hospitalization | \$ 245,194 | \$ 37,809 | \$ 77,049 | \$ 48,773 | \$ 81,563 |
| 202310 | Dental | \$ 15,499 | \$ 2,039 | \$ 4,895 | \$ 3,263 | \$ 5,302 |
| 202400 | Life Insurance - VRS | \$ 24,044 | \$ 6,842 | \$ 6,071 | \$ 4,207 | \$ 6,924 |
| 202401 | Life Insurance - City | \$ 627 | \$ - | \$ 627 | \$ - | \$ - |
| 202500 | Long Term Disability Ins. | \$ 5,545 | \$ 1,541 | \$ 1,497 | \$ 947 | \$ 1,559 |
| 202510 | Short Term Disability Ins. | \$ 2,000 | \$ 263 | \$ 632 | \$ 421 | \$ 684 |
| 202700 | Workers' Comp. Ins. | \$ 84,830 | \$ 670 | \$ 27,700 | \$ 19,500 | \$ 36,960 |
| 202750 | Retirement Health Insurance Credit | \$ 5,506 | \$ 1,567 | \$ 1,390 | \$ 963 | \$ 1,586 |
| 202800 | Termination Pay | \$ 15,000 | \$ 15,000 | \$ - | \$ - | \$ - |
| 202810 | Cash-in FLP | \$ 44,000 | \$ 19,043 | \$ 9,534 | \$ 9,534 | \$ 5,890 |
| 202830 | Employee Benefits | \$ 3,000 | \$ 395 | \$ 947 | \$ 632 | \$ 1,026 |
| | TOTAL PERSONNEL | \$ 2,862,282 | \$ 706,997 | \$ 856,952 | \$ 489,018 | \$ 809,314 |

PERSONNEL

| POSITION | # | GRADE | CURRENT PAY RANGE | | | |
|--------------------------------|----|-------|-------------------|--------|----|------------|
| CEO | 1 | U | Unclassified | | | |
| Operations Manager | 1 | 37 | \$ | 77,036 | to | \$ 122,487 |
| Environmental & Safety Manager | 1 | 34 | \$ | 66,547 | to | \$ 105,810 |
| Business Manager | 1 | 30 | \$ | 54,748 | to | \$ 87,049 |
| Operations Supervisor | 3 | 27 | \$ | 47,294 | to | \$ 75,197 |
| Administrative Coordinator | 1 | 25 | \$ | 42,897 | to | \$ 68,206 |
| Senior Equipment Operator | 2 | 23 | \$ | 38,908 | to | \$ 61,864 |
| Business Supervisor | 1 | 22 | \$ | 37,056 | to | \$ 58,919 |
| Building Maintenance Mechanic | 1 | 21 | \$ | 35,291 | to | \$ 56,113 |
| Motor Equipment Mechanic | 1 | 21 | \$ | 35,291 | to | \$ 56,113 |
| Motor Equipment Operator II | 21 | 19 | \$ | 32,010 | to | \$ 50,896 |
| Motor Equipment Operator I | 1 | 17 | \$ | 29,034 | to | \$ 46,164 |
| Scale Operator | 3 | 16 | \$ | 27,652 | to | \$ 43,967 |
| Laborer/Operator | 0 | 13 | \$ | 23,866 | to | \$ 37,947 |

| | | | |
|----------------|----|-------------|-----------|
| TOTAL SALARIES | 38 | \$1,823,879 | 6/30/2017 |
|----------------|----|-------------|-----------|

Adjustments:

| | | | | |
|-------------|-------|----------------------|----|--------|
| Market | 0.00% | | \$ | - |
| Performance | 2.00% | mid-point | \$ | 37,493 |
| | | \$1,874,658 | | |
| | | Mid Point Adjustment | \$ | 18,239 |
| | | Total | \$ | 55,732 |

| | |
|-------------------------|--------------|
| TOTAL ADJUSTED SALARIES | \$ 1,879,611 |
|-------------------------|--------------|

EMPLOYEE BY LOCATION

| POSITION | # | GRADE | ADMIN. | TINKER CREEK | SALEM | LANDFILL |
|--------------------------------|----|-------|--------|-----------------|-------|----------|
| CEO | 1 | U | 1 | 0 | 0 | 0 |
| Operations Manager | 1 | 37 | 1 | 0 | 0 | 0 |
| Environmental & Safety Manager | 1 | 34 | 1 | 0 | 0 | 0 |
| Business Manager | 1 | 30 | 1 | 0 | 0 | 0 |
| Operations Supervisor | 3 | 27 | 0 | 1 | 1 | 1 |
| Administrative Coordinator | 1 | 25 | 1 | 0 | 0 | 0 |
| Senior Equipment Operator | 2 | 23 | 0 | 1 | 0 | 1 |
| Business Supervisor | 1 | 22 | 0 | 1 | 0 | 0 |
| Building Maintenance Mechanic | 1 | 21 | 0 | 1 | 0 | 0 |
| Motor Equipment Mechanic | 1 | 21 | 0 | 0 | 0 | 1 |
| Motor Equipment Operator II | 21 | 19 | 0 | 6 | 5 | 10 |
| Motor Equipment Operator I | 1 | 17 | 0 | 0 | 1 | 0 |
| Scale Operator | 3 | 16 | 0 | 2 | 1 | 0 |
| Laborer/Operator | 0 | 13 | 0 | 0 | 0 | 0 |
| TOTAL EMPLOYEES | 38 | | 5 | 12 | 8 | 13 |

EXPENSES
OPERATING

| CODE | DESCRIPTION | FY16-17 | FY17-18 | JUSTIFICATION |
|--------|---|--------------|--------------|---|
| 300004 | Medical Exams | \$ 1,000 | \$ 1,000 | Physical exams for new employees; drug and alcohol random testing |
| 300007 | Contract Services | \$ 275,276 | \$ 1,010,620 | Employee Assistance Program: \$16.28 @ x 38 employees \$ 619 Clean Valley Council 12 months \$ 51,000 Landscaping \$265/month \$ 3,180 Tire Disposal - 340 Tons @ \$89.95 + Fuel Surcharge \$ 30,583 Copier Rental \$560/month \$ 6,720 HHW Disposal \$ 47,000 Janitorial Services \$ 24,000 Exterminating Services \$ 1,800 Transportation Services \$ 377,089 Cap Maintenance - mowing \$ 25,000 Leachate Disposal (RR) \$ 200,000 Salem Bond Debt \$ 243,630 |
| 300100 | Groundwater Sampling and Analysis -SG & RR | \$ - | \$ 145,432 | Residential Drinking Water Sampling 24 @ \$643 \$ 15,432 Detection Monitoring-Lab \$ 38,000 ACM Monitoring - Lab \$ 42,000 Engineering \$ 50,000 |
| 300102 | Stormwater Sampling & Analysis-SG & TCTS | \$ - | \$ 32,000 | *Permit Sampling Engineering \$ 20,000 Laboratory \$ 12,000 |
| 300103 | Landfill Gas Monitoring - SG & RR | \$ - | \$ 80,020 | SG - Monthly @ \$1,710 \$ 20,520 SG Reporting \$ 24,500 RR- Monthly @ \$2,000 \$ 24,000 RR Reporting \$ 11,000 |
| 300013 | Professional Services | \$ 96,500 | \$ 41,000 | Engineering \$ 20,000 Leachate sampling \$ 4,000 Auditing Services \$ 13,500 Software support \$ 3,500 |
| 300017 | Legal Services | \$ - | \$ 62,800 | General Counsel \$ 58,800 Outside Legal \$ 4,000 |
| 300029 | Municipal Waste | \$ 1,789,434 | \$ 2,698,439 | N S tons shipped 228,100 62 tons/car = 3,680 7.36% increase 1,800 cars: \$830/car \$ 1,494,000 1879 cars: \$641/car \$ 1,204,439 Total \$ 2,698,439 |

| CODE | DESCRIPTION | FY17-18 | JUSTIFICATION | ADMIN | TCTS | STS | LANDFILL |
|--------|---|--------------|---|---|---|--|--|
| 300004 | Medical Exams | \$ 1,000 | Physical exams for new employees; drug and alcohol random testing | \$ 1,000 | \$ - | \$ - | \$ - |
| 300007 | Contract Services | \$ 1,010,620 | Employee Assistance Program: \$16.28 @ x 38 employees \$ 619 Clean Valley Council 12 months \$ 51,000 Landscaping \$265/month \$ 3,180 Tire Disposal - 340 Tons @ \$89.95 + Fuel Surcharge \$ 30,583 Copier Rental \$560/month \$ 6,720 HHW Disposal \$ 47,000 Janitorial Services \$ 24,000 Exterminating Services \$ 1,800 Transportation Services \$ 377,089 Cap Maintenance -Bush Ho \$ 25,000 Leachate Disposal (RR) \$ 200,000 Salem Bond Debt \$ 243,630 | \$ 619 \$ 51,000 \$ 3,180 \$ - \$ 6,720 \$ 47,000 \$ 9,600 \$ - \$ - \$ 25,000 \$ 200,000 \$ 243,630 | \$ - \$ - \$ - \$ 24,466 \$ - \$ - \$ 4,800 \$ 600 \$ - \$ - \$ - \$ - | \$ - \$ - \$ - \$ 6,117 \$ - \$ - \$ 4,800 \$ 600 \$ 377,089 \$ - \$ - \$ - \$ - | \$ - \$ - \$ - \$ - \$ - \$ 4,800 \$ 600 \$ - \$ - \$ - \$ - \$ - |
| 300100 | Groundwater Sampling & Analysis SG & RR | \$ 145,432 | Residential Drinking Water Detection Monitoring & L ACM Monitoring - Lab & Engineering | \$ 15,432 \$ 38,000 \$ 42,000 \$ 50,000 | \$ - \$ - \$ 42,000 \$ 50,000 | \$ - \$ - \$ - \$ - | \$ 15,432 \$ 38,000 \$ - \$ - |
| 300102 | Stormwater Sampling & Analysis | \$ 32,000 | *Permit Sampling Engineering Laboratory | \$ 20,000 \$ 12,000 | \$ - \$ 2,000 \$ 1,000 | \$ - \$ - \$ - | \$ - \$ 18,000 \$ 11,000 |
| 300103 | Landfill Gas Monitoring - SG & RR | \$ 80,020 | SG - Monthly @ \$1,710 SG Reporting RR- Monthly @ \$2,000 RR Reporting | \$ 20,520 \$ 24,500 \$ 24,000 \$ 11,000 | \$ - \$ - \$ 24,000 \$ 11,000 | \$ - \$ - \$ - \$ - | \$ 20,520 \$ 24,500 \$ - \$ - |
| 300013 | Professional Services | \$ 41,000 | Engineering Leachate sampling Auditing Services Software support | \$ 20,000 \$ 4,000 \$ 13,500 \$ 3,500 | \$ - \$ 2,000 \$ 13,500 \$ 3,500 | \$ 5,000 \$ - \$ - \$ - | \$ 10,000 \$ 2,000 \$ - \$ - |
| 300017 | Legal Services | \$ 62,800 | General Counsel Outside Legal | \$ 58,800 \$ 4,000 | \$ - \$ - | \$ - \$ - | \$ - \$ - |
| 300029 | Municipal Waste | \$ 2,698,439 | N S tons shipped 7.36% increase 62 tons/car = 3,680 1,800 cars: \$830/car 1879 cars: \$641/car | \$ - \$ - | \$1,494,000 \$1,204,439 | \$ - \$ - | \$ - \$ - |

| CODE | DESCRIPTION | FY16-17 | FY17-18 | JUSTIFICATION |
|--------|----------------------------------|------------|------------|--|
| 300030 | Waste Water Freight | \$ 186,300 | \$ 160,500 | Leachate Cars 250 Cars @ \$642 \$ 160,500 |
| 300035 | Stone Car Freight Charge | \$ 6,200 | \$ 19,230 | Stone Cars 30 Cars @ \$641 \$ 19,230 |
| 300101 | Temporary Help | \$ - | \$ - | Buildings and Grounds Maintenance |
| 320001 | Contracted Repairs | \$ 224,200 | \$ 265,250 | Office equipment \$ 1,250 All road vehicles \$ 8,000 Data processing equip. \$ 6,000 Construction Equipment Off Road Vehicles \$ 200,000 Tipper \$ 15,000 Railcars \$ 5,000 Miscellaneous Equip. \$ 15,000 Tub Grinder, Seeder, et \$ 15,000 |
| 380380 | Building Maintenance and Grounds | \$ 110,000 | \$ 130,000 | Maintenance and repairs to all buildings and property; pump stations, septic tanks. |
| 350010 | Printed Forms | \$ 3,000 | \$ 3,000 | Letterhead, envelopes, cards, scale tickets repair orders, purchasing forms includes General Counsel |
| 360010 | Advertising | \$ 5,350 | \$ 6,850 | RFP, bids, public hearing: \$ 6,000 etc. Handouts \$ 150 User Brochures \$ 400 HHW Brochures \$ 200 Miscellaneous \$ 100 |

| CODE | DESCRIPTION | FY17-18 | JUSTIFICATION | ADMIN | TCTS | STS | LANDFILL |
|--------|-------------------------------------|------------|--|-----------|-----------|-----------|------------|
| 300030 | Waste Water Freight | \$ 160,500 | Leachate Cars 250 Cars @ \$642 | \$ - | \$ - | \$ - | \$ 160,500 |
| 300035 | Stone Car Freight Charge | \$ 19,230 | Stone Cars 30 Cars @ \$641 | \$ - | \$ - | \$ - | \$ 19,230 |
| 300101 | Temporary Help | \$ - | Buildings & Grounds Maintenance | \$ - | \$ - | \$ - | \$ - |
| 320001 | Contracted Repairs | \$ 265,250 | Office equipment | \$ 750 | \$ - | \$ 250 | \$ 250 |
| | | | All road vehicles | \$ 4,000 | \$ 2,000 | \$ 1,000 | \$ 1,000 |
| | | | Data processing equip. | \$ 6,000 | \$ - | \$ - | \$ - |
| | | | Construction Equipment | | | | |
| | | | Off Road Vehicles | \$ - | \$ 60,000 | \$ 30,000 | \$ 110,000 |
| | | | Tipper | \$ - | \$ 15,000 | \$ - | \$ - |
| | | | Railcars | \$ - | \$ 5,000 | \$ - | \$ - |
| | | | Miscellaneous Equip. | \$ - | \$ 5,000 | \$ 5,000 | \$ 5,000 |
| | | | Tub Grinder, Seeder, etc. | \$ - | \$ 10,000 | \$ - | \$ 5,000 |
| | | | Sub-Totals | \$ 10,750 | \$ 97,000 | \$ 36,250 | \$ 121,250 |
| 380380 | Building Maintenance and Grounds | \$ 130,000 | Maintenance & repairs to all buildings and property; pump station, septic tanks | \$ 25,000 | \$ 35,000 | \$ 35,000 | \$ 35,000 |
| 350010 | Printed Forms | \$ 3,000 | Letterhead, envelopes, cards, scale tickets, etc. includes General Counsel | \$ 3,000 | \$ - | \$ - | \$ - |
| 360010 | Advertising | \$ 6,850 | RFP, bids, public hearings, etc. | \$ 6,000 | \$ - | \$ - | \$ - |
| | | | Handouts | \$ 150 | \$ - | \$ - | \$ - |
| | | | User Brochures | \$ 400 | \$ - | \$ - | \$ - |
| | | | HHW Brochures | \$ 200 | \$ - | \$ - | \$ - |
| | | | Miscellaneous | \$ 100 | \$ - | \$ - | \$ - |

| CODE | DESCRIPTION | FY16-17 | FY17-18 | JUSTIFICATION |
|---------|----------------------------------|-----------|------------|---|
| 3600001 | Marketing activities | \$ 400 | \$ 400 | Recycling handouts, pens, pencils, miscellaneous items |
| 360030 | Special Events | \$ 3,500 | \$ 4,500 | Annual Employee Functions & Customer Appreciation Day |
| 400600 | Central Services | \$ 60,000 | \$ 66,750 | Administrative services, Roanoke County/Roanoke City for data processing, IT Support accounting, web updates, miscellaneous |
| 510010 | Electric | \$ 69,000 | \$ 107,400 | RTS \$2,250/month \$ 27,000 SGRL \$3,500/month \$ 42,000 STS \$2,800/month \$ 33,600 RRLF \$400/month \$ 4,800 |
| 510021 | Heating Services | \$ 4,000 | \$ 4,000 | Transfer Station Natural Gas \$ 4,000 |
| 510022 | Fuel Oil Natural & Bottled Gas | \$ 30,000 | \$ 30,000 | Propane Gas \$ 30,000 Smith Gap Landfill |
| 510041 | Water Service - Transfer Station | \$ 10,000 | \$ 13,000 | Water & Sewer Service for Transfer Stations |
| 510042 | Sewer Service - leachate | \$ 21,000 | \$ 21,000 | Sewer Service - leachate Smith Gap 250 Leachate cars \$3.50 /1000 gal - WVWA Fee \$ 21,000 |
| 520010 | Postage | \$ 4,500 | \$ 3,500 | Postage for all mailings and correspondence, postage meter rent, includes General Counsel |
| 520030 | Telephone | \$ 7,000 | \$ 4,000 | Telephone service at all facilities, long distance calls, & credit card processing |
| 520033 | Internet Lines | \$ 7,500 | \$ 14,820 | Fees for internet service at Smith Gap Landfill and Transfer Station |
| 520035 | Cell Phones | \$ 6,000 | \$ 7,300 | Service for cell phones |

| CODE | DESCRIPTION | FY17-18 | JUSTIFICATION | ADMIN | TCTS | STS | LANDFILL |
|---------|----------------------------------|------------|---|-----------|-----------|-----------|-----------|
| 3600001 | Promotional Articles | \$ 400 | Recycling handouts, pens, pencils, miscellaneous items | \$ 400 | \$ - | \$ - | \$ - |
| 360030 | Special Events | \$ 4,500 | Annual Employee Functions & Customer Appreciation Day | \$ 4,500 | \$ - | \$ - | \$ - |
| 400600 | Central Services | \$ 66,750 | Administrative services, Roanoke County/Roanoke City for data processing, accounting, web update, misc. | \$ 66,750 | \$ - | \$ - | \$ - |
| 510010 | Utilities - Electricity | \$ 107,400 | TCTS \$2,250/month SGRLF \$3,500/month STS \$2,800/month RRLF \$400/month | \$ 4,800 | \$ 27,000 | \$ 33,600 | \$ 42,000 |
| 510021 | Heating Services | \$ 4,000 | Transfer Station Natural Gas | \$ - | \$ 4,000 | \$ - | \$ - |
| 510022 | Fuel Oil Natural & Bottled Gas | \$ 30,000 | Smith Gap Landfill Propane Gas | \$ - | \$ - | \$ - | \$ 30,000 |
| 510041 | Water Service - Transfer Station | \$ 13,000 | Water & Sewer Service for Transfer Stations | \$ - | \$ 10,000 | \$ 3,000 | \$ - |
| 510042 | Sewer Service - Transfer Station | \$ 21,000 | Sewer Service Leachate - Smith Gap | \$ - | \$ - | \$ - | \$ 21,000 |
| 520010 | Postage | \$ 3,500 | Postage for all mailings and correspondence, postage meter rent, includes General Counsel | \$ 3,500 | \$ - | \$ - | \$ - |
| 520030 | Telephone | \$ 4,000 | Telephone Service | \$ 4,000 | \$ - | \$ - | \$ - |
| 520033 | Internet Lines | \$ 14,820 | Fees for internet service | \$ 5,700 | \$ - | \$ 3,600 | \$ 5,520 |
| 520035 | Cell Phones | \$ 7,300 | Service for cell phones | \$ 7,300 | \$ - | \$ - | \$ - |

| CODE | DESCRIPTION | FY16-17 | FY17-18 | JUSTIFICATION |
|--------|--|------------|------------|--|
| 530002 | Property Insurance-Fire | \$ 28,000 | \$ 28,000 | Coverage for all buildings, contents, and equipment |
| 530005 | Motor Vehicle Insurance | \$ 8,000 | \$ 8,000 | Insurance for on-road vehicles |
| 530007 | Public Officials Insurance | \$ 500 | \$ 500 | Insurance through VML or VACO pools |
| 530008 | General Liability Ins. | \$ 9,000 | \$ 9,000 | Coverage for all facilities & property |
| 540010 | Rent of Equipment | \$ 5,280 | \$ 6,500 | Rental of Miscellaneous Equipment Heavy Equipment Emergency Equipment |
| 550001 | Travel - Mileage | \$ 500 | \$ 500 | Use of personal vehicles for RVRA business, staff, and Board Members |
| 550520 | Dinner Meetings - Luncheons | \$ 3,500 | \$ 4,500 | Monthly Board meetings, dinners & luncheons associated with RVRA |
| 550040 | Travel and Lodging, Conference, Training and Education | \$ 18,000 | \$ 24,400 | Conference registrations; \$ 6,000 SWANA, VML, legal conferences Subsistence & Lodging \$ 10,000 Operator training for \$ 8,400 hazardous materials, certifications & educations |
| 560001 | Contributions | \$ 402,000 | \$ 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 | FY17-18 | JUSTIFICATION | ADMIN | TCTS | STS | LANDFILL |
|--------|-----------------------------|------------|---|-----------|------------|------------|------------|
| 530002 | Property Insurance-Fire | \$ 28,000 | Coverage for all buildings, contents, and equipment | \$ 28,000 | \$ - | \$ - | \$ - |
| 530005 | Motor Vehicle Ins. | \$ 8,000 | Insurance for on-road vehicles | \$ 8,000 | \$ - | \$ - | \$ - |
| 530007 | Public Officials Ins. | \$ 500 | Insurance through VML pools | \$ 500 | \$ - | \$ - | \$ - |
| 530008 | General Liability Ins. | \$ 9,000 | Coverage for all facilities & property | \$ 9,000 | \$ - | \$ - | \$ - |
| 540010 | Rent of Equipment | \$ 6,500 | Rental of Miscellaneous Equipment Heavy Equipment Emergency Equipment | \$ - | \$ 2,500 | \$ 2,500 | \$ 1,500 |
| 550001 | Travel - Mileage | \$ 500 | Use of personal vehicles for RVRA business, staff, and Board Members | \$ 500 | \$ - | \$ - | \$ - |
| 550520 | 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 | \$ 3,000 | \$ 1,000 | \$ 1,000 | \$ 1,000 |
| | | | Subsistence & Lodging \$ 10,000 | \$ 10,000 | \$ - | \$ - | \$ - |
| | | | Operator training for hazardous materials, certification, misc. \$ 8,400 | \$ 5,400 | \$ 1,000 | \$ 1,000 | \$ 1,000 |
| 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 | FY16-17 | FY17-18 | JUSTIFICATION |
|--------|-----------------------------|------------|------------|--|
| 580001 | Dues | \$ 2,100 | \$ 2,100 | Professional & Association dues: SWANA, SWVSWMA, & IAAP |
| 580015 | Warrants and Fees | \$ 55,000 | \$ 63,000 | DEQ & City Stormwater annual fees ~\$45,000 Credit Card fees \$7,000; CAR CC FEE \$11,000 |
| 580023 | Employee Recognition | \$ 6,000 | \$ 7,000 | Awards and Certificates |
| 601010 | Office Supplies | \$ 3,900 | \$ 3,900 | Office paper, pens, pencils, folders, etc. |
| 601011 | Photocopies | \$ 400 | \$ 400 | Miscellaneous Photocopies |
| 601013 | Small Equipment & Supplies | \$ 36,200 | \$ 40,000 | Items of office and shop equipment and supplies, tools, computers |
| 604040 | Medical Supplies | \$ 500 | \$ 1,000 | Supplies for first aid kits & medicine cabinet |
| 605050 | Janitorial Supplies | \$ 3,400 | \$ 3,400 | Supplies for general cleaning & sanitation |
| 607071 | Radio Parts | \$ 4,000 | \$ 4,000 | Communications Equipment & Fees |
| 608081 | Gasoline | \$ - | \$ 14,500 | Fuel for all RVRA vehicles, mowers, etc. |
| 608082 | Diesel fuel | \$ 320,000 | \$ 320,000 | Fuel for all diesel equipment and vehicles, includes oil, lubricants |
| 609094 | Tires, Tubes, Parts | \$ 70,000 | \$ 70,000 | Replacement and maintenance parts & supplies for all equipment and vehicles |
| 611030 | Uniform and Wearing Apparel | \$ 21,400 | \$ 33,725 | Safety Shoes & Jeans \$ 10,725 Rain gear, shirts, hats, misc. \$ 11,500 Purchase of uniforms \$ 11,500 |

| CODE | DESCRIPTION | FY17-18 | JUSTIFICATION | ADMIN | TCTS | STS | LANDFILL |
|--------|----------------------------|------------|---|--------------------------------|----------------------------------|----------------------------------|----------------------------------|
| 580001 | Dues | \$ 2,100 | Professional & Association dues: SWANA, SWVSWMA, & IAAP | \$ 2,100 | \$ - | \$ - | \$ - |
| 580015 | Warrants and Fees | \$ 63,000 | DEQ & City annual fee ~\$45,000 CC Fees \$7,000, and Carbon Fees ~ \$11,000 | \$ 7,000 | \$ 12,400 | \$ 6,150 | \$ 37,450 |
| 580023 | Employee Recognition | \$ 7,000 | Awards and Certificates | \$ 7,000 | \$ - | \$ - | \$ - |
| 601010 | Office Supplies | \$ 3,900 | Office paper, pens, pencils, folders, etc. | \$ 2,400 | \$ 500 | \$ 500 | \$ 500 |
| 601011 | Photocopies | \$ 400 | Miscellaneous Photocopies | \$ 400 | \$ - | \$ - | \$ - |
| 601013 | Small Equipment & Supplies | \$ 40,000 | Items of office and shop equipment and supplies, tools, computers | \$ 4,000 | \$ 18,000 | \$ 7,500 | \$ 10,500 |
| 604040 | Medical Supplies | \$ 1,000 | Supplies for first aid kits & medicine cabinets | \$ 1,000 | \$ - | \$ - | \$ - |
| 605050 | Janitorial Supplies | \$ 3,400 | Supplies for general cleaning & sanitation | \$ 1,000 | \$ 1,000 | \$ 650 | \$ 750 |
| 607071 | Radio Parts | \$ 4,000 | Communications Equipment & Fees | \$ - | \$ 2,000 | \$ 1,500 | \$ 500 |
| 608081 | Gasoline | \$ 14,500 | Fuel for all RVRA vehicles, mowers, | \$ 10,500 | \$ 500 | \$ 500 | \$ 3,000 |
| 608082 | Diesel fuel | \$ 320,000 | Fuel for all diesel equipment & vehicles, includes oil, lubricants | \$ - | \$ 100,000 | \$ 40,000 | \$ 180,000 |
| 609094 | Tires, Tubes, & Parts | \$ 70,000 | Replacement and maintenance parts supplies for all equipment and vehicles | \$ 6,000 | \$ 12,000 | \$ 12,000 | \$ 40,000 |
| 611030 | Uniform & Wearing Apparel | \$ 33,725 | Safety Shoes & Jeans Rain gear, shirts, hats, misc. Purchase of uniforms | \$ 325 \$ 3,500 \$ 1,500 | \$ 3,900 \$ 2,909 \$ 3,636 | \$ 2,600 \$ 1,939 \$ 2,424 | \$ 3,900 \$ 3,152 \$ 3,939 |

2017-2018 BUDGET

OPERATING

| CODE | DESCRIPTION | FY17-18 | JUSTIFICATION | ADMIN | TCTS | STS | LANDFILL |
|--------|---------------------------|--------------|--|--------------|--------------|------------|--------------|
| 620001 | Subscriptions / Books | \$ 500 | Professional magazines and manuals | \$ 500 | \$ - | \$ - | \$ - |
| 650001 | Other Operating Supplies | \$ 90,000 | 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 | \$ 67,500 |
| 650003 | Fire Equipment & Supplies | \$ 3,000 | Fire hoses & extinguishers replacements & and for annual inspections for all facilities | \$ 3,000 | \$ - | \$ - | \$ - |
| 650010 | Safety Equipment | \$ 4,000 | Dust mask, safety glasses, etc. | \$ 4,000 | \$ - | \$ - | \$ - |
| | Sub-totals | \$ 97,500 | | \$ 20,000 | \$ 5,000 | \$ 5,000 | \$ 67,500 |
| | Sub-Totals 14-24 | \$ 6,331,736 | | \$ 1,079,723 | \$ 3,225,651 | \$ 740,319 | \$ 1,286,043 |
| 967070 | Unappropriated Balance | \$ 79,147 | | \$ 13,497 | \$ 40,321 | \$ 9,254 | \$ 16,076 |
| | TOTAL OPERATING | \$ 6,410,883 | | \$ 1,093,220 | \$ 3,265,971 | \$ 749,573 | \$ 1,302,118 |

EXPENSES

CAPITAL

| CODE | DESCRIPTION | FY16-17 | FY17-18 | JUSTIFICATION |
|--------|--------------------------------------|-----------|---------|-----------------|
| 810001 | Machinery & Equipment New | \$ - | \$ - | Nothing Planned |
| 810002 | Machinery & Equipment Replacement | \$ - | \$ - | Nothing Planned |
| 820001 | Furniture, Office Equipment New | \$ - | \$ - | Nothing Planned |
| 830001 | Communications Equipment New | \$ 20,000 | | 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 | \$ 10,000 | \$ - | Nothing Planned |
| | | | | |
| | | | | |
| | TOTAL CAPITAL | \$ 30,000 | \$ - | |

EXPENSES
RESERVES

RESERVES

| CODE | DESCRIPTION | BALANCE 7/1/2017 | DEPOSIT FY17-18 | EXPENSE FY17-18 | BALANCE 06/30/18 | JUSTIFICATION |
|--------------|--|---------------------|--------------------|--------------------|---------------------|---|
| C846 9209 | Landfill Closure | \$ 6,134,600 | \$ 250,000 | \$1,750,000 | \$ 4,634,600 | As required by State and Federal Regulations to close Smith Gap Landfill Close 7 Acres |
| C847 9210 | Equipment Reserve Fund | \$ 1,638,990 | \$ 1,400,000 | \$ 587,500 | \$ 2,451,490 | 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 | \$ 189,745 | \$ 10,000 | \$ - | \$ 199,745 | As per local permit. Intranet/property |
| C847 9213 | Property Value Protection | \$ 364,779 | \$ - | \$ - | \$ 364,779 | As per local permit. Current fund is adequate based on anticipated sales. |
| C848 9214 | Future Site Development | \$ 2,550,118 | \$ 700,000 | \$ 2,500,000 | \$ 750,118 | For future construction of the landfill Engineering for Phase VI |
| C848 9215 | Capital Improvement Fund | \$ 252,323 | \$ - | \$ - | \$ 252,323 | For maintenance and improvements to the facilities. Lighting, Carpet, and Tile |
| C840 9201 | Contingency Reserve Fund | \$ 2,462,446 | \$ - | \$ (0) | \$ 2,462,446 | For unexpected expenses and for tipping fee stabilization |
| | TOTAL RESERVE FUNDS | \$14,093,001 | \$ 2,360,000 | \$ 4,837,500 | \$ 11,615,501 | |

RESERVES

| CODE | DESCRIPTION | JUSTIFICATION | DEPOSIT FY17-18 | ADMIN | TCTS | STS | LANDFILL |
|--------------|--|---|--------------------|-----------|------------|------------|--------------|
| C846 9209 | Landfill Closure | As required by State and Federal regulations to close Smith Gap Regional Landfill | \$ 250,000 | \$ - | \$ 10,000 | \$ 10,000 | \$ 230,000 |
| C847 9210 | Equipment Reserve Fund | For replacement of equipment per equipment replacement schedule. | \$ 1,400,000 | \$ 42,500 | \$ 447,967 | \$ 327,414 | \$ 582,118 |
| 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 | \$ 700,000 | \$ - | \$ - | \$ - | \$ 700,000 |
| C848 9215 | Capital Improvement Fund | For maintenance and improvements to the facilities. | \$ - | \$ - | \$ - | | \$ - |
| C840 9201 | Contingency Reserve Fund | For unexpected expenses and for tipping fee stabilization | \$ - | \$ - | \$ - | | \$ - |
| | TOTAL RESERVE FUNDS | | \$ 2,360,000 | \$ 42,500 | \$ 457,967 | \$ 337,414 | \$ 1,522,118 |

TIPPING FEE
BREAKDOWN

TIPPING FEE BREAKDOWN

ALL OPERATIONS

| CATEGORY | ADMIN | TCTS | STS | LANDFILL | TOTAL | PERCENT |
|-----------------------------|--------------|--------------|--------------|--------------|---------------|---------|
| PERSONNEL | \$ 706,997 | \$ 856,952 | \$ 489,018 | \$ 809,314 | \$ 2,862,282 | 22% |
| OPERATIONS | \$ 1,093,220 | \$ 3,265,971 | \$ 749,573 | \$ 1,302,118 | \$ 6,410,883 | 49% |
| DEPOSITS AND RESERVES | \$ 42,500 | \$ 457,967 | \$ 337,414 | \$ 1,522,118 | \$ 2,360,000 | 18% |
| DEBT SERVICE | \$ 1,412,185 | 0 | \$ - | \$ - | \$ 1,412,185 | 11% |
| TOTAL | \$ 3,254,902 | \$ 4,580,891 | \$ 1,576,006 | \$ 3,633,551 | \$ 13,045,350 | 100% |
| PERCENTAGE | 25% | 35% | 12% | 28% | 100% | |

TRANSPORTATION

| CATEGORY | LANDFILL | TCTS | STS | TOTAL | PERCENT |
|-------------------|------------|--------------|------------|--------------|---------|
| MUNICIPAL FREIGHT | \$ - | \$ 2,698,439 | \$ 377,089 | \$ 3,075,528 | 24% |
| LEACHATE TANKERS | \$ 160,500 | \$ - | \$ - | \$ 160,500 | 1% |
| STONE | \$ 19,230 | \$ - | \$ - | \$ 19,230 | 0% |
| TOTAL | \$ 179,730 | \$ 2,698,439 | \$ 377,089 | \$ 3,255,258 | 25% |
| | 1% | 21% | 3% | 25% | |

Required Tipping Fee

Municipal \$ 49.5 per ton
Commercial \$ 59.5 per ton