

**RAPPAHANNOCK REGIONAL SOLID WASTE
MANAGEMENT BOARD**

REGULAR MEETING AGENDA

**STAFFORD COUNTY
GEORGE L. GORDON GOVERNMENT CENTER
BOARD OF SUPERVISORS CHAMBERS
STAFFORD, VIRGINIA**

**May 16, 2018
8:30 AM**

- A. CALL TO ORDER.**
- B. ROLL CALL TO DETERMINE QUORUM**
- C. APPROVE MINUTES OF PRIOR BOARD MEETINGS (Tab 1)
March 7, 2018**
- D. PRESENTATIONS BY THE PUBLIC**
- E. PRESENTATIONS BY R-BOARD MEMBERS**
- F. REPORT OF STAFF (Tab 2)**
 - 1. Report of R-Board Superintendent**
 - a. Cell F2 Filling Status**
 - b. Personnel Status Update**
 - 2. Environmental Compliance Report/Permit Amendment Status**
 - 3. Recycling Manager Report**
- G. REPORT ON FINANCES (Tab 3)**
 - 1. Financial Summary; FY2018 – Through April**
 - 2. Weight & Material Analysis; FY2018 – Through April**
- H. UNFINISHED BUSINESS (Tab 4)**
 - 1. Tipping Fee Modifications (Public Hearing)**
 - a. RB18-03 Municipal solid Waste**
 - b. RB18-09 Scrap Tires**
 - 2. Operational Agreement Amendment Update**
- I. NEW BUSINESS**
 - 1. Annual Service Contracts**
 - a. RB18-04 Carter Machinery**
 - b. RB18-05 Draper Aden**
 - 2. Equipment Purchase Contracts**
 - a. RB18-06 Trash Compactor**
 - b. RB18-07 Roll-off Truck**
 - 3. Budget Amendment**
 - a. RB18-08**
 - 4. Commercial Exception Request**
- J. CLOSED SESSION (if needed)**
- K. NEXT SCHEDULED MEETING
August 15, 2018 Conference Room ABC, George L. Gordon Government Center, 8:30 AM**
- L. ADJOURNMENT**

MINUTES

RAPPAHANNOCK REGIONAL SOLID WASTE MANAGEMENT BOARD

March 7, 2018

George L. Gordon, Jr., Government Center
Board Chambers

Meeting Convened: A regular meeting of the Rappahannock Regional Solid Waste Management Board (R-Board) was convened at 8:30 a.m. on March 7, 2018, at the George L. Gordon, Jr., Government Center, Board Chambers.

Roll Call: The following members were present: Cindy C. Shelton; Meg Bohmke; Matthew Kelly; William C. Withers, Jr.; Thomas Foley; and Mark Whitley. Tim Barood was absent.

Also in attendance were: Brandon Hefty, Esq., R-Board Attorney; Rick Markwardt, Landfill Superintendent; Julie Williams-Daves, Assistant Landfill Superintendent; Pamela Timmons, R-Board Clerk; and Keith Dayton, Director.

Election of Chairman: Ms. Shelton motioned, seconded by Mr. Kelly to nominate Meg Bohmke.

By voice, the vote was:

| | | |
|------|-----|---|
| Yea: | (6) | Shelton, Foley, Bohmke, Kelly, Withers, Whitley |
| Nay: | (0) | |

Approval of the minutes of prior meeting: Mr. Kelly motioned, seconded by Mr. Withers, to approve the minutes from the November 15, 2017 meeting.

By voice, the vote was:

| | | |
|----------|-----|--------------------------------|
| Yea: | (4) | Foley, Kelly, Whitley, Withers |
| Nay: | (0) | |
| Abstain: | (2) | Bohmke, Shelton |

Presentations by the Public: No members of the public desired to speak.

Presentations by the R-Board: Mr. Kelly informed the Board that Nabin Bikash Maharjan, from Blue Waste to Value in Katmandu, Nepal, will be visiting March 15-21. During this visit, Board members and staff will tour the Covanta Waste to Energy facility in Arlington, the Waste Management landfill in King George, and the R-Board's facilities.

Report of the R-Board Superintendent: Mr. Markwardt reported on the following:

Cell F2 Filling Status

Mr. Markwardt reported that the filling sequence of Cell F-2 continues to go on without issues. Approximately 627,141 cubic yards, or 36%, of available space has been consumed.

Personnel Status Update

Mr. Markwardt reported that the R-Board is authorized for a total of 35 employees (31 full-time and 4 part-time). Recruitment has been on-going for a part-time Gate Attendant, Heavy Equipment Mechanic, Heavy Equipment Operator, and Maintenance Worker for the litter crew. An offer has been made to fill

the position of Heavy Equipment Mechanic. The Heavy Equipment Operator was filled from within, and the position of Maintenance Worker was filled, with the start date of March 5th. The part-time Gate Attendant is still open at this time.

Environmental Compliance: Ms. Williams-Daves reported that the items from the deficiency notice for the first quarter inspection have been corrected. Draper Aden Associate (DAA) received approval from VADEQ to continue the interim measures of sodium permanganate solution if necessary. Staff is currently monitoring, and it remains below action levels.

The monthly Landfill gas perimeter monitoring, as well as the surface emissions, shows no exceedances. DAA will be on-site on March 8th to continue providing service monitoring.

The permit modification amending the facility boundary to include the VDOT-owned parcel (west side), requests an increase for the daily tonnage, and to adjust operating hours to reflect current practice remain pending. Staff intends to meet with VADEQ to discuss the amendment and any necessary revisions to the proposal. In response to questions regarding the proposed change to the facility boundary, Mr. Dayton explained the effects of the current boundary located in close proximity to the original unlined landfill area, and the difficulty in preventing the migration of minute quantities of regulated constituents off of our property. Mr. Dayton went on to explain that the R-Board took immediate action to treat the constituent to within permissible levels, but that the long term solution is to move the landfill boundary further away from the unlined cell.

Recycling Manager Report: Ms. Jones reported that staff continues to monitor the market fluxes for single-stream recyclable materials. This is a result of China's "National Sword" initiative, which is intended to clean up the recyclable material deliveries to their country. China has placed strict import permits for recycled materials. A decline in price was experienced for products during the months of November and December, but rebounded slightly in January. The decline is only the 3rd time in many years.

The Household Hazardous Waste and Electronic Waste Collection Day is scheduled for May 19th at Stafford Middle School. Rappahannock Goodwill Industries will be invited to participate.

Report on Finances: Mr. Dayton reported on the following:

Financial Summary (FY 2018 – through January):

Mr. Dayton reported that there has been a slight slow-down in revenue over the winter, but the commercial MSW and C&D deliveries remain strong. Recycling revenue is consistent. Staff expects to exceed the budgeted amount - currently projecting about \$1.9 million in revenue over the amount budgeted. Expenditures are tracking close to budgeted amounts, although maintenance is exceeding budget. A transfer of funds into that line has been made.

Weight & Material Analysis (FY 2018 – through January):

Billable solid waste deliveries are up 25%, with debris waste making up the bulk of the increase. Staff has estimated a gross of ~ \$1.7 million from this source so far this year.

FY2017 Financial Statement – Final Report

Mr. Dayton noted that hard copies of the final report were passed out to each R-Board member, and he is available to answer any questions.

Unfinished Business:

Operational Analysis Update

Mr. Dayton noted that hard copies of the final report were passed out to each R-Board member, and he is available to answer any questions.

New Business:

FY2019 Budget Presentation

Mr. Dayton gave an overview of the upcoming FY2019 budget. He noted that staff is continuing to replace capital equipment which has exceeded its useful life, and funding is included to replace a trash compactor (first placed into service in 1987), and a roll-off truck. There is a heavier emphasis on equipment overhaul to extend the service life of certain capital equipment. The debt service for Cell F2 has been accelerated to ensure financing is paid in full prior to construction of Cell F3. Three years of debt service is included in the budget. A new full-time position has been requested. This position will facilitate community outreach in the composting, recycling, and litter prevention/collection programs. There is also a request to convert our part-time intern, to a regular part-time position. There is no effect to the budget – the employee will gain holiday, vacation and sick leave benefits only. The budget relies on the use of about \$530,000 in reserve funds to balance, but Mr. Dayton explained that the revenue budget projections were quite conservative and he expects the use of reserve funds will not be necessary.

A discussion ensued regarding the amount of reserves, and the establishment of reserve categories such as a Capital Project Reserve Fund. Mr. Dayton explained that for the last several years the R-Board had an unrestricted net deficit, with obligations (including categories such as depreciation) exceeding assets. He stated that the deficit should be converted to a surplus at the end of this fiscal year, and more effort would be spent towards managing the reserve fund at that time, as suggested in the Operational Analysis.

R-Board members asked when staff needed to have the budget approved, and if the next meeting would be soon enough. Mr. Dayton reminded R-Board members that the meeting in May was when staff presented various service and purchase contracts for consideration in advance of the start of the fiscal year, and that if members had sufficient information for action at today's meeting, it would be preferable to pass the budget today.

RB18-01 Resolution

Mr. Withers motioned, seconded by Ms. Shelton, to approve Resolution RB18-01.

By voice, the vote was:

Yea: (6) Bohmke, Foley, Kelly, Shelton, Whitley, Withers
Nay: (0)

Resolution RB18-01 reads as follows:

A RESOLUTION ADOPTING THE FISCAL YEAR 2019 R-BOARD BUDGET

WHEREAS, the R-Board is committed to providing high quality solid waste services to the residents and businesses in the City of Fredericksburg (City) and Stafford County (County); and

WHEREAS, the R-Board is also committed to operating the Rappahannock Regional Landfill in a cost effective, financially sustainable, and environmentally responsible manner; and

WHEREAS, the R-Board desires to retire the debt incurred for construction of Cell F2 prior to construction of Cell F3, resulting in a payment of \$1,681,340 in the current fiscal year; and

WHEREAS, the R-Board recognizes the importance of replacing equipment which has been in service long past its useful service life; and

WHEREAS, the R-Board considers it a priority to inform our customers about ways to divert household waste from the Landfill by recycling and composting, and supports the addition of a full time position for community education and engagement; and

WHEREAS, the proposed budget is responsive to the financial concerns of each locality, as well as our commercial solid waste partners, and demonstrates a commitment to the long term financial sustainability of R-Board operations; and

WHEREAS, the proposed Capital Improvement Program provides for the necessary replacement of capital equipment, continued compliance with our regulatory permits, the timely completion of future solid waste cells and the closure of cells no longer in use;

NOW, THEREFORE BE IT RESOLVED, by the Rappahannock Regional Solid Waste Management Board on this the 7th day of March, 2018, that the proposed Fiscal Year 2019 Budget presented herein and in the amount of Seven Million Five Hundred Thirty-seven Thousand Six Hundred Twenty-eight Dollars (\$7,537,628), be and it hereby is approved; and

BE IT FURTHER RESOLVED that the addition of a full time position to provide community outreach and education regarding solid waste diversion and litter prevention programs is authorized effective July 1, 2018.

Tipping Fee Modifications

Mr. Dayton noted that staff had been tasked with evaluation of an appropriate tipping fee for processed mulch deliveries, and had also investigated changes to commercial MSW rates. Staff has observed a large increase in rough-processed mulch in the past year related to construction projects and development activities, and road projects have increased. It was estimated that there has been approximately 1,600 tons collected so far this year versus less than 200 tons from all of last year. There is currently no tipping fee for this material, and the small amount of material received in the past was

used around the landfill for stabilization or further processed and given away. The current amounts exceed the ability to use onsite, and our efforts to manage and process for free distribution are uncompensated by tipping fees. After analysis, staff recommended a fee of \$25 per ton for mulch deliveries, effective immediately.

Mr. Dayton explained, that in regards to the Commercial MSW, the tipping fee structure rewards companies when they bring larger quantities of MSW by lowering the fee charged on a sliding scale (\$43/\$38/\$36/\$26). This structure was intended to keep the commercial customers coming to us in the face of competition from private landfills. It also incentivized companies to buy out other companies so that they could meet the higher waste thresholds and be rewarded with lower cost per ton. We now have one company responsible for 50% of MSW deliveries to the Landfill. With the passing of Flow Control ordinances by the City and County, tipping fee incentives are no longer necessary. The current fee system has created a competitive disparity against smaller companies.

Staff believes that fewer tipping fee tiers with a narrower range between the low and high end of the fee scale would be more equitable. Revenues are adequate at the present time for long-term sustainability. After reviewing various options, staff believed that lowering the top tier to \$40/ton (down from \$43), eliminating the \$26 rate altogether, lowering the \$36/ton rate to \$35 for all waste deliveries over 1,500 tons, and maintaining the \$38/ton rate the same is equitable. This structure provides a more modest incentive for the largest customer, maintain virtually the same cost for the mid-range customers, and provides relief to the smaller companies serving customers in our area. Analysis indicated that the largest customer would see an 18% increase in tipping fee charges, and they would look to pass this along to their customers. If the R-Board desired to proceed with these changes, staff recommended they not be effective until July 1, 2018, to allow notification and adjustments for that customer. If the R-Board chose to lower the \$43 fee to \$40 effective April 1, this would result in a loss of revenue of about \$10,000 through the end of this fiscal year.

After discussion, the R-Board determined that proposed Resolution RB18-02 would include only the tipping fee for mulch deliveries, and schedule a public hearing at the May meeting to seek input from our commercial customers and residents regarding the commercial tipping fee changes. Mr. Kelly noted that this would allow companies to provide input before a decision was made.

RB18-02 Resolution

Mr. Withers motioned, seconded by Ms. Shelton, to approve amended Resolution RB18-02, as amended.

By voice, the vote was:

| | | |
|------|-----|---|
| Yea: | (6) | Bohmke, Foley, Kelly, Shelton, Whitley, Withers |
| Nay: | (0) | |

Resolution RB18-02 reads as follows:

A RESOLUTION AMENDING THE TIPPING FEE SCHEDULE FOR MULCH DELIVERIES

WHEREAS, the R-Board is committed to ensuring that fees received for services are commensurate with the services provided; and

WHEREAS, the Regional Landfill is receiving large quantities of mulch from commercial customers that require handling and processing, and for which we receive no compensation; and

WHEREAS, the R-Board desires to modify the fee structure to include tipping fees for deliveries of processed mulch; and

WHEREAS, implementation of a tipping fee of \$25 per ton for this material is determined to be adequate compensation;

NOW, THEREFORE BE IT RESOLVED, by the Rappahannock Regional Solid Waste Management Board on this the 7th day of March, 2018, that the tipping fee schedule be and it hereby is amended to add a Twenty-five Dollar (\$25) per ton tipping fee for commercial firms delivering mulch to the Regional Landfill, effective April 1, 2018.

Commercial Request for Annual Pass Exception

Staff received requests for a commercial exception from Philip Henry (314 Association), Manning Harris (Housewares-with-Flare LLC), Wayne King (King's Electrical), Paul Raven (Paul Raven Enterprises, Inc.), Joseph Gibbs, Jr. (Joseph Gibbs, Jr. General Contracting), Jean Louis Mickael Fonteneau (Atelier Fonteneau), and Robert French (Tower Builders and Developers, Inc.). All applicants intend to use their vehicle (free of commercial markings, logos, or advertisements) to dispose of household residential trash at the Landfill. Staff finds these requests consistent with exceptions previously granted by the R-Board and requests the R-Board provide direction by motion.

Mr. Foley motioned, seconded by Mr. Withers, to approve all applicants.

By voice, the vote was:

| | | |
|------|-----|---|
| Yea: | (6) | Bohmke, Foley, Kelly, Shelton, Withers, Whitley |
| Nay: | (0) | |

Mr. Dayton also brought to the Board's attention for consideration, Stafford County's intention to submit a Smart Scale application (FY2024-25) to widen Eskimo Hill Road, from Jefferson Davis Highway to the Landfill. This would make this winding, narrow road much safer for the commercial trash trucks and residents using landfill facilities. As proposed, the Smart Scale application would include \$1 million in R-Board revenues, with the balance funded by Smart Scale revenues. As suggested, this funding could be provided at \$200,000 per year over a 5-year period, beginning in FY2020. The Smart Scale application would be for funding available in the FY2024-2025 period. Mr. Kelly expressed concern about using R-Board revenues to fund road projects, particularly as we were still addressing our capital needs. R-Board members requested additional information about this proposal to be provided at the May 16th meeting.

Mr. Kelly asked about the status of the efforts to amend the Operational Agreement to address concerns of the City related to the terms of the agreement. Mr. Whitley advised that conversations had

been initiated, but that efforts had been suspended due to the changes in R-Board membership on the part of the County. Mr. Dayton noted that now that the County Board of Supervisors had selected its members, we would re-initiate the conversations once County members were brought up to speed.

Adjournment: The meeting was adjourned at 10:16 a.m.

Future Session: The next regular meeting will be held on May 16, 2018, at the George L. Gordon Government Center, 8:30 a.m., in Conference Room ABC.

Keith C. Dayton, Director

Pamela L. Timmons, Clerk



Rappahannock Regional Solid Waste Management Board

489 Eskimo Hill Road • Stafford, Virginia 22554 • 540-658-5279 • FAX 540-658-4523

To: R-Board Members

From: Rick Markwardt, Landfill Superintendent

Date: May 16, 2018

RE: Report of the Landfill Superintendent

Cell F2 Operations

To date, the filling sequence of Cell F-2 continues to go on without any issues. Approximately 690,353 cubic yards (~40.07%) of available airspace has been consumed.



Personnel Report

Currently the R-Board is authorized a total of 35 employees (31 Full-Time and 4 Part-Time). Our Assistant Landfill Superintendent/ Environmental Manager has resigned to accept a position with a Dominion Energy ash landfill. We are recruiting for that vacancy. We are also down two Scale Technicians and 3 full time Maintenance Worker positions (one for the Litter Crew), and one part time gate attendant. All vacancies are under recruitment.



Rappahannock Regional Solid Waste Management Board

489 Eskimo Hill Road • Stafford, Virginia 22554 • 540-658-5279 • FAX 540-658-4523

To: R-Board Members

From: Julie Williams-Daves

Date: May 4, 2018

RE: Environmental & Regulatory Compliance Report

Staff held a teleconference with the VADEQ and Draper Aden Associates on March 21 to discuss the requirements of the major permit modification and the submittal of necessary documents. Staff is working with DAA to prepare the appropriate submittals. Staff followed up with the VADEQ on April 13 to clarify a few items and received feedback that the permit modification should be complete by the end of the calendar year. A public hearing will be necessary once a draft permit has been prepared.

The above ground diesel fuel tanks at the Regional Landfill are required to be registered with the VADEQ every five years. The tanks have been renewed for this period. The spill prevention and cleanup plan that is required by federal regulation will be updated accordingly.

The second quarter solid waste inspection from the VADEQ is expected before the end of the month.

Draper Aden Associates is working on an update to the R-Board's solid waste management plan and is also drafting an improved health and safety plan for the Regional Landfill.

Storm water sampling training and a comprehensive site compliance evaluation will be scheduled before the end of June.



Rappahannock Regional Solid Waste Management Board

489 Eskimo Hill Road • Stafford, Virginia 22554 • 540-658-5279 • FAX 540-658-4523

TO: R-Board Members

FROM: Diane Jones
Recycling Coordinator

DATE: May 11, 2018

SUBJECT: Recycle Manager's Report

Earth Day



The R-Board participated in the annual Earth Day celebration at Old Mill Park on Saturday, April 21st. The R-Board's newly renovated mobile education trailer was received with enthusiasm by residents. A grant from the Department of Environmental for Litter Prevention and Recycling activities was used to upgrade the trailer.



Household Hazardous Waste and Electronic Waste Collection Day

The R-Board is hosting this event on Saturday, May 19th in the parking lot at Stafford Middle School. Rappahannock Goodwill Industries will be there as well collecting E-Waste.

Recycling Markets

At the November Board meeting, staff reported on the negative flux in market pricing due to China's "National Sword" program. The Board authorized the implementation of a maximum \$20 tipping fee for single stream recyclables in case the value of recyclables fell to a point where commercial collectors began "dumping" their material at the Landfill for free. In April, we notified our customers that a \$12.50 per ton tipping fee for incoming single stream recyclables would be charged. There has been no significant change in tonnage intake in April. The recycling markets have further declined in April to the point where our product is valued at a -\$23/ton. At this time they are not seeking payment on the negative index, but will be implementing other charges to recoup some costs. We have been informed that it appears this trend will continue, and landfill operations may need to adjust. We will be reaching out to our commercial partners in hopes of identifying a strategy to weather this major shift in the viability of our recycling program.

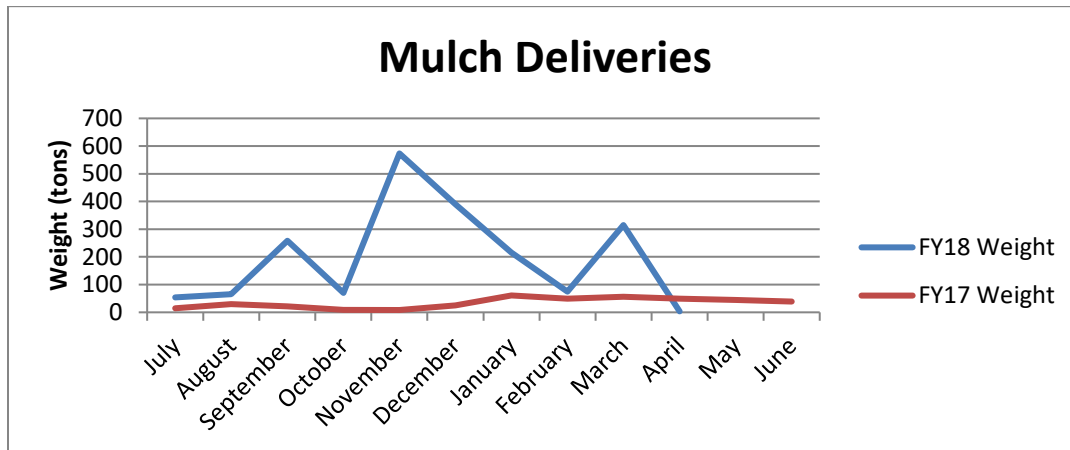


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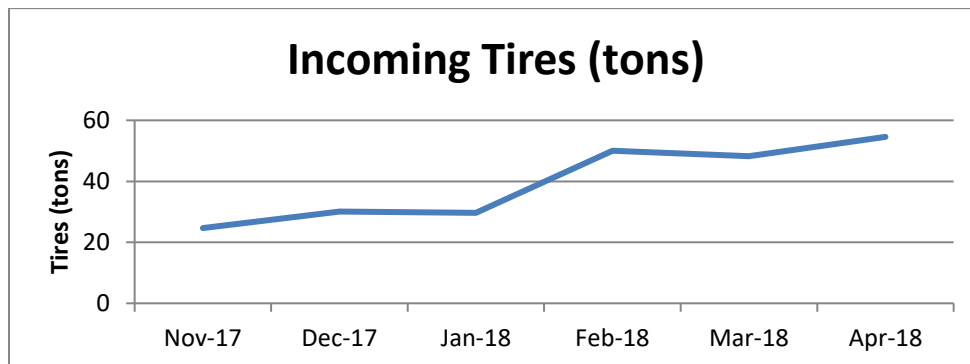
Commercial Mulch Intake

At the March Board meeting, staff reported a sharp upturn in large quantity bulk mulch from construction projects. After analyzing the cost to handle this material, staff recommended that the Board approve a \$25 tipping fee. The Board voted in favor of the tipping fee. Staff has recognized a significant drop in the amount of material delivered to the landfill.



Tire Recycling

The landfill has experienced a dramatic increase in scrap tire deliveries. This is the result of multiple Stafford companies experiencing service problems from the same firm the Landfill uses to dispose of our tires. When this occurs, the Landfill becomes the only convenient way to dispose of scrap tires; however, there are times when we are very close to exceeding our permitted tire quantities, and we are unable to dispose of this increased tire quantity in the manner used to develop the budget. Currently, we are transporting scrap tires to Richmond using our equipment and personnel, at a higher cost for disposal, and subject to restrictions on delivery dates and quantities. Staff has developed a plan to ensure we are able to maintain compliance with our permit requirements; however, that will require an increase in tipping fees for scrap tires. This will be discussed further in conjunction with the agenda item related to municipal solid waste tipping fees.



EXPENDITURES
as of
4/30/2018

| Division | FY 18 Adopted Budget | FY 18 Adjusted Budget | Personnel Costs YTD | Operational Costs YTD | Capital Costs YTD | Total Costs YTD | Current Encumbrances | FY 18 Expenditures | FY 18 Balance | % Budget Expended | Fiscal YTD Expired (%) | FY18 Budgeted Revenues | Monthly Target | Monthly Actuals | FY18 Actual Revenues | % Revenue Collected |
|-----------------------|----------------------|-----------------------|---------------------|-----------------------|-------------------|-----------------|----------------------|--------------------|---------------|-------------------|------------------------|------------------------|----------------|-----------------|----------------------|---------------------|
| R-Board Expenses | \$5,430,162 | \$5,626,165 | \$1,816,477 | \$1,476,445 | \$871,399 | \$4,164,321 | \$297,523 | \$4,461,844 | \$1,164,321 | 79% | 83% | \$6,024,240 | \$502,020 | \$676,421 | \$6,526,381 | 108% |
| R-Board Revenues | \$6,024,240 | | | | | | | | | | | | | | | |
| TIPPING FEES | \$4,500,000 | | | | | | | | | | | | | | | |
| RESIDENTIAL FEES | \$600,000 | | | | | | | | | | | | | | | |
| RECYCLING | \$120,000 | | | | | | | | | | | | | | | |
| WWTP SLUDGE/UTILITIES | \$434,240 | | | | | | | | | | | | | | | |
| MUNICIPAL | \$278,000 | | | | | | | | | | | | | | | |
| INTRADEPARTMENTAL | \$5,000 | | | | | | | | | | | | | | | |
| AMERESCO LEASE | \$40,000 | | | | | | | | | | | | | | | |
| MILESTONE LEASE | \$12,000 | | | | | | | | | | | | | | | |
| GRANT | \$20,000 | | | | | | | | | | | | | | | |
| INTEREST | \$15,000 | | | | | | | | | | | | | | | |
| RESERVE | | | | | | | | | | | | | | | | |

REVENUES
as of
4/30/2018

| | ADOPTED FY18 | CASH | A/R | Total for Month | FY YTD Expired | FY YEAR TO DATE | REVENUE FORECAST |
|-------------------------|--------------|-----------|------------|-----------------|----------------|-----------------|------------------|
| COMMERCIAL | \$4,500,000 | \$ 77,101 | \$ 492,569 | \$ 569,670 | 83% | \$ 5,281,054 | \$ 6,361,666 |
| RESIDENTIAL USER FEE | \$600,000 | | | \$ 36,876 | 83% | \$ 510,874 | \$ 590,000 |
| RECYCLING | \$120,000 | | | \$ 12,669 | 83% | \$ 125,661 | \$ 151,374 |
| SLUDGE/ Stafford | \$250,000 | | | \$ 26,819 | 83% | \$ 230,949 | \$ 278,206 |
| SLUDGE FredericksburgPW | \$184,240 | | | \$ 13,136 | 83% | \$ 120,892 | \$ 145,629 |
| MUNICIPAL | \$278,000 | | | \$ 17,252 | 83% | \$ 187,868 | \$ 266,309 |
| MISCELLANEOUS | \$5,000 | | | | 83% | \$ 22,399 | \$ 22,399 |
| SALE OF LANDFILL GAS | \$40,000 | | | | 83% | \$ 16,514 | \$ 32,000 |
| MILESTONE LEASE | \$12,000 | | | | 83% | \$ 4,480 | \$ 12,000 |
| GRANTS | \$20,000 | | | | 83% | \$ 25,691 | \$ 25,691 |
| INTEREST | \$15,000 | | | | 83% | | \$ 15,000 |
| RESERVE FUND | | | | | 83% | \$ - | |
| TOTAL | \$ 6,024,240 | \$ 77,101 | \$ 492,569 | \$ 676,421 | | \$ 6,526,381 | \$ 7,900,273 |

BUDGET STATUS SUMMARY

| | Adopted Budget | Current Est. | Difference |
|---------------------|----------------|--------------|-------------|
| Revenues | \$6,024,240 | \$7,900,273 | \$1,876,033 |
| Expenditures | \$5,430,162 | \$5,430,162 | \$0 |
| Use of Fund Balance | \$0 | -\$1,876,033 | \$1,876,033 |

Unrestricted Fund Balance (\$544,433)
(as of June 30, 2016)

Through April 30, 2018

Rappahannock Regional Solid Waste Management Board
Weight and Material Analysis Report FY2018

| CATEGORY | 18-Apr Weight | 17-Apr Weight | FY2018 Y-T-D Weight | FY2017 Y-T-D Weight | Difference % |
|-------------------------|------------------|------------------|------------------------|------------------------|-----------------|
| Billable | | | | | |
| Commercial Waste | 5411 | 3306 | 50930 | 36211 | 41% |
| Residential Waste | 3364 | 4627 | 30440 | 37455 | -19% |
| Fredericksburg | 629 | 799 | 6723 | 7222 | -7% |
| Eskimo Hill | 1757 | 1410 | 16632 | 15522 | 7% |
| Belman Road | 131 | 147 | 1337 | 1463 | -9% |
| Mixed Load-\$71/T | 27 | 20 | 79 | 161 | -51% |
| Debris Waste | 5811 | 5100 | 57439 | 39541 | 45% |
| Dirt | 443 | 0 | 1475 | 183 | 704% |
| Tires Commercial | 68 | 17 | 353 | 216 | 63% |
| Sludge (city) | 469 | | 4327 | | |
| Sludge (county) | 993 | 1081 | 8587 | 8966 | -4% |
| BILLABLE TONNAGE | 19102 | 16507 | 178322 | 146940 | 21% |
| Non-Billable | | | | | |
| Litter/Cleanups | 8 | 8 | 71 | 154 | -54% |
| Recycling | 487 | 370 | 6993 | 4643 | 51% |
| TOTAL TONNAGE | 19597 | 16885 | 185386 | 151737 | 22% |



Rappahannock Regional Solid Waste Management Board

489 Eskimo Hill Road • Stafford, Virginia 22554 • 540-658-5279 • FAX 540-658-4523

TO: R-Board Members

FROM: Keith Dayton
Regional Landfill Director

DATE: May 16, 2018

SUBJECT: Tipping Fee Modifications

Regional Landfill staff continuously monitor commercial activities to identify changing trends affecting the financial results of our operations, and impacts to our customers. The R-Board, at their March 7 meeting, authorized a new fee for processed mulch deliveries. Staff experienced an immediate reduction in these deliveries, thereby ceasing a significant drain on our limited manpower managing a product for which we derived no revenue. At this meeting, the R-Board deferred action related to adjustments to our municipal solid waste (MSW) tipping fee, pending a public hearing scheduled for the May 16 meeting. An analysis of various rate options is provided below.

MUNICIPAL SOLID WASTE FROM COMMERCIAL CUSTOMERS

In an effort to address declining municipal solid waste deliveries (MSW) from commercial companies, the R-Board adopted a tipping fee schedule which rewarded higher MSW deliveries with lower tipping fees, thereby rewarding large customers with financial incentives. This fee structure also incentivized smaller companies to take MSW to competing landfills offering lower charges. The current fee structure is provided below.

| TONS | CURRENT FEE SCHEDULE | | | | | |
|---------------|----------------------|----------|--|--|--|--|
| | Tipping Fee | | | | | |
| < 1,000 | \$43 | per ton | | | | |
| ≥1,000;<1,500 | \$38 | per ton | | | | |
| 1,500 | \$36 | per ton | | | | |
| >1,500 | \$26 | per ton* | *only that amount over 1,500 tons; first 1,500 at \$36 per ton | | | |

This fee structure favors the formation of larger commercial waste businesses, and discourages competition due to the sharply higher operational costs related to solid waste disposal. For example, during the six months from July through December 2017, County Waste averaged \$29.67/ton for disposal costs, while Republic Services averaged \$38/ton, and American Disposal Services was charged the full \$43/ton. The table below uses the same six months of data to compare our tipping fee levels with the weight of material and revenue collected. At the \$26 per ton rate we received 34% of our deliveries while receiving only 26% of our revenue.



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| | Dollars | Percentage(\$) | Tons | % Weight |
|------------------------|---------------------|----------------|------------------|-------------|
| Revenue at \$43 | \$ 281,168 | 17% | 6,538.80 | 14% |
| Revenue at \$38 | \$ 330,266 | 20% | 8,691.21 | 18% |
| Revenue at \$36 | \$ 594,000 | 36% | 16,500.00 | 34% |
| Revenue at \$26 | \$ 432,398 | 26% | 16,630.69 | 34% |
| TOTAL | \$ 1,637,832 | 100% | 48,360.70 | 100% |

With the adoption of flow control ordinances by the City and County, all MSW produced in the two jurisdictions must be disposed of at the Regional Landfill, and it appears that commercial waste companies operating in our localities are fully complying. The R-Board may wish to consider revisions to the tipping fee schedule to equalize fees and reduce the volume incentive. Staff believes that a fee structure that is relatively revenue-neutral, and reduces the current wide range of tipping fees based on delivery quantities could mitigate the impact to smaller businesses from our present rate structure. After analyzing numerous options, staff believes the rate structure in the table below would simplify our fee schedule, reward our larger customers, and reduce the disparity in our rate structure.

| PROPOSED FEE SCHEDULE | | |
|-----------------------|-------------|---------|
| TONS | Tipping Fee | |
| < 1,000 | \$40 | per ton |
| ≥1,000;<1,500 | \$38 | per ton |
| ≥1500 | \$35 | per ton |

Using the last six months data once again, the table below indicates a far greater balance of revenue received versus waste delivered at each rate tier.

| | Dollars | Percentage(\$) | Tons | % Weight |
|------------------------|---------------------|----------------|------------------|-------------|
| Revenue at \$40 | \$ 261,552 | 15% | 6,538.80 | 14% |
| Revenue at \$38 | \$ 330,266 | 19% | 8,691.21 | 18% |
| Revenue at \$35 | \$ 1,159,574 | 66% | 33,130.69 | 69% |
| | \$ 1,751,392 | 100% | 48,360.70 | 100% |

Our analysis indicates that of the six companies providing MSW collection services in the two localities, only the largest company, County Waste, will experience an appreciable increase in tipping fee charges, at 18%. If enacted, this change is expected to generate less than a 2% increase in total revenue.



Rappahannock Regional Solid Waste Management Board

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Tipping Fee for MSW Update

Following the advertisement for the public hearing, staff received input from Jerry Cifor, a principal of County Waste, our largest customer, and the company that would be negatively affected by the proposed rate schedule. Mr. Cifor expressed concern at being “targeted” by the proposed fee schedule, particularly after his company faithfully complied with the flow control ordinance based on the rates placed in effect on January 1, 2016. Mr. Cifor noted that a financial incentive for larger customers is prevalent in the solid waste business as well as the broader commercial sector.

In addition to compliance with the flow control ordinance, Mr. Cifor noted that County Waste avoided actions which would have a negative financial impact on the R-Board such as delivering their recyclable materials to the Landfill to process.

Mr. Cifor went on to suggest that a single rate for MSW regardless of monthly quantity delivered would preferable to the proposed modifications that reduced the benefit for large monthly deliveries. He explained that it would be difficult to find fault with a fee structure that treated all MSW deliveries equally. Staff agreed to analyze what that rate would be and share that information.

Following the conversation with Mr. Cifor, staff investigated two alternatives to address some of those concerns; one which would modify the quantity discount rate model, and the other with a flat tipping fee for all MSW. In each case, the total revenue would remain essentially the same as currently generated, although the distribution within rate categories would fluctuate.

Modified Discounted Rate

As noted above, the proposed tipping fee schedule with a \$35 lowest rate resulted in less than a 2% increase in revenue when compared with our total revenue stream. It should be noted that the increase in commercially sourced MSW revenue was nearly 7%, with virtually all of this due to the 18% increase in County Waste billings. Staff analyzed the data to identify a lowest tier rate which kept MSW revenue flat to see what affect it would have on cost increases for our largest customer. We found that adjusting the lowest tier rate to \$32/ton would provide virtually the same revenue we currently generate from MSW, while reducing the cost increase for County Waste to 7.8%. The tables illustrating the rate structure and projected revenue distribution are provided below.

| PROPOSED FEE SCHEDULE | | | |
|-----------------------|--|-------------|---------|
| TONS | | Tipping Fee | |
| < 1,000 | | \$40 | per ton |
| ≥1,000;<1,500 | | \$38 | per ton |
| ≥1500 | | \$32 | per ton |



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| | Dollars | Percentage(\$) | Tons | % Weight |
|------------------------|--------------|----------------|-----------|----------|
| Revenue at \$40 | \$ 261,552 | 16% | 6,538.80 | 14% |
| Revenue at \$38 | \$ 330,266 | 20% | 8,691.21 | 18% |
| Revenue at \$32 | \$ 1,060,182 | 64% | 33,130.69 | 69% |
| | \$ 1,652,000 | 100% | 48,360.70 | 100% |

Staff believes the schedule above will reduce inequities in our current rate schedule, maintain our revenue at current levels, and reduce the financial burden on our largest customer.

Single Tipping Fee

Staff used the same six months of data from the previous analysis to determine what rate would be required to achieve a virtually revenue neutral amount when compared to current revenue generation. Applying a \$34 per ton rate to all MSW would generate virtually the same revenue we currently receive from MSW, while greatly simplifying our rate schedule. All commercial MSW customers would see a large reduction in operational costs related to tipping fees except County Waste, who would experience an increase of approximately 14.6%.

Summary

Staff attempted to contact Mr. Cifor for input regarding the additional analysis without success.

Staff believes additional revenue generation from MSW deliveries is not critical at this point, but recommends that the R-Board approve a rate schedule that narrows the disparity from the current status. To that end, staff recommends the three-tiered rate schedule listed above with the lowest tier at \$32 per ton. Proposed Resolution RB18-03, modifying the tipping fee rate structure would address the disparity while reducing the financial impact upon our largest commercial waste hauler and their customers, is attached for R-Board consideration.

Tire Deliveries

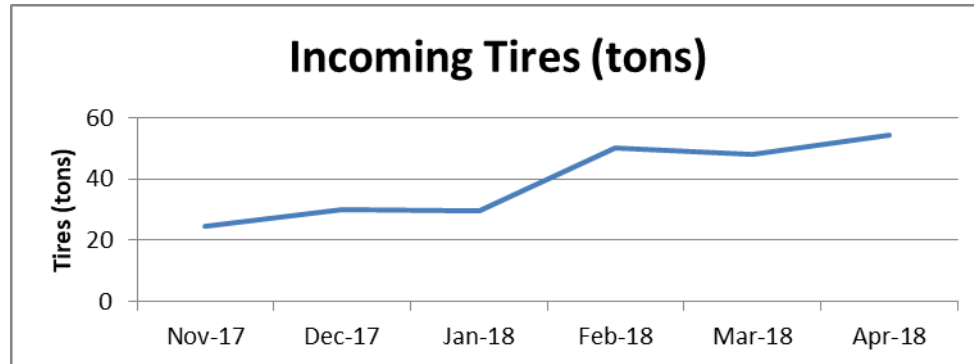
The Regional Landfill recently experienced a marked increase in scrap tire deliveries, while at the same time observed a decline in service from the firm we use to dispose of our scrap tire inventory. The Landfill has used PROCO to provide pickup, transport and disposal services to ensure our scrap tire inventory remains below our regulatory limits, and they are reportedly experiencing difficulties with their processing facility. The combination of increased tire quantities and poorer service has resulted in Landfill staff using other options to dispose of tires, but at a higher cost for disposal. Staff has been able to manage the increased tire deliveries and decline in service by transporting scrap tires to Tire Recyclers in Richmond using our equipment and personnel, at a higher cost for disposal, and subject to restrictions on delivery dates and



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quantities. We estimate our actual cost to use this firm to be just under \$190 per ton versus the \$120 per ton we receive in tipping fees. The graph below illustrates the recent increase in scrap tire deliveries.



Staff also analyzed using the waste to energy facility in Fairfax to dispose of our scrap tires. While this facility would reduce our transportation and handling costs significantly, the Fairfax facility has a considerably higher tipping fee for scrap tires. We estimate the actual cost to dispose of standard tires to be \$160 per ton, with the cost for oversized tires about \$110 per ton higher. Landfill staff has used the Fairfax facility in the past as the most practical means of disposing of oversize tires, and we expect to use them increasingly in the future to assure that disposal of our standard tire inventory remains compliant with our permit limits. Staff recommends increasing our tipping fee for standard tires from \$120 per ton to \$170 per ton, and increasing the tipping fee for oversize tires from \$210 per ton to \$270 per ton.

It should be noted that if the influx of tires is not reduced by the change in tipping fees, consideration must be given to the addition of staff to address the increased manpower requirements necessary for scrap tire disposal.

R-Board Resolution RB18-09 is attached which would implement an increase tipping fee for scrap tires effective June 1, 2018. Staff recommends approval.



Rappahannock Regional Solid Waste Management Board

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RB18-03

PROPOSED

RAPPAHANNOCK REGIONAL SOLID WASTE MANAGEMENT BOARD

RESOLUTION

At the regular meeting of the Rappahannock Regional Solid Waste Management Board (R-Board) held in the Board of Supervisors Chambers, Stafford County Administration Center, 1300 Courthouse Rd., Stafford, Virginia, on the 16th day of May, 2018;

Members:

Meg Bohmke, Chairman
William C. Withers, Jr., Vice-chairman
Timothy J. Baroody
Thomas C. Foley
Mathew J. Kelly
Cindy C. Shelton

Vote:

On motion of , seconded by , which carried by a vote of to , the following was adopted:

A RESOLUTION AMENDING THE TIPPING FEE SCHEDULE FOR COMMERCIAL DELIVERIES OF MUNICIPAL SOLID WASTE

WHEREAS, the R-Board is committed to ensuring that fees received for solid waste disposal services are commensurate with the services provided, and that revenues are sufficient to ensure adequate funding for operational and capital needs; and

WHEREAS, the R-Board is also committed to ensuring that large and small customers are charged fairly for our services; and

WHEREAS, the R-Board currently has a tiered quantity-based fee structure with four price levels for municipal solid waste delivered by commercial firms performing residential and non-residential collections; and

WHEREAS, the current tipping fee amounts ranging from \$43 per ton down to \$26 per ton has created a pricing system prejudicial to smaller firms; and

WHEREAS, the R-Board desires to modify the fee structure to reduce this disparity;



Rappahannock Regional Solid Waste Management Board

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NOW, THEREFORE BE IT RESOLVED by the Rappahannock Regional Solid Waste Management Board on this the 16th day of May, 2018, that the Fee Schedule be amended in accordance with the table below for municipal solid waste delivered to the Regional Landfill by commercial firms, effective September 1, 2018.

| PROPOSED FEE SCHEDULE | | | |
|-----------------------|--|-------------|---------|
| TONS | | Tipping Fee | |
| < 1,000 | | \$40 | per ton |
| ≥1,000;<1,500 | | \$38 | per ton |
| ≥1500 | | \$32 | per ton |

A Copy, teste:

RAPPAHANNOCK REGIONAL SOLID WASTE
MANAGEMENT BOARD

Keith C. Dayton, Director



Rappahannock Regional Solid Waste Management Board

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RB18-09

PROPOSED

RAPPAHANNOCK REGIONAL SOLID WASTE MANAGEMENT BOARD

RESOLUTION

At the regular meeting of the Rappahannock Regional Solid Waste Management Board (R-Board) held in the Board of Supervisors Chambers, Stafford County Administration Center, 1300 Courthouse Rd., Stafford, Virginia, on the 16th day of May, 2018;

Members:

Meg Bohmke, Chairman
William C. Withers, Jr., Vice-chairman
Timothy J. Barody
Thomas C. Foley
Mathew J. Kelly
Cindy C. Shelton

Vote:

On motion of , seconded by , which carried by a vote of to , the following was adopted:

A RESOLUTION AMENDING THE TIPPING FEE SCHEDULE FOR SCRAP TIRES

WHEREAS, the R-Board is committed to ensuring that fees received for services are commensurate with the services provided, and cost of providing these services; and

WHEREAS, the Regional Landfill has experienced a large increase in scrap tires, while at the same time been required to modify the means of disposal, resulting in a significant increase in cost; and

WHEREAS, current options to dispose of standard scrap tires result in total handling and disposal costs ranging between \$160 and \$190 per ton, versus the current tipping fee of \$120 per ton; and

WHEREAS, disposal costs for oversize tires are \$270 per ton, versus the current tipping fee of \$210 per ton; and

WHEREAS, the R-Board desires to modify the fee structure to ensure tipping fees are commensurate with the costs incurred;



Rappahannock Regional Solid Waste Management Board

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NOW, THEREFORE BE IT RESOLVED by the Rappahannock Regional Solid Waste Management Board on this the 16th day of May, 2018, that the Fee Schedule be amended to increase the tipping fee for standard size scrap tires to One Hundred Sixty Dollars (\$160) per ton, and increase the tipping fee for oversized tires to Two Hundred Seventy Dollars (\$270) per ton, effective June 1, 2018.

A Copy, teste:

RAPPAHANNOCK REGIONAL SOLID WASTE
MANAGEMENT BOARD

Keith C. Dayton, Director



Rappahannock Regional Solid Waste Management Board

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TO: R-Board Members

FROM: Keith Dayton
Regional Landfill Director

DATE: May 16, 2018

SUBJECT: **Operational Agreement Update**

Staff was asked at the March R-Board meeting to re-engage with the City and County on modifications to the Operational Agreement governing the joint operation of the Regional Landfill. In response, staff has initiated the operational and financial analysis important to this effort.

While this is an important first step, staff has been unable to fully coordinate the initial results with stakeholders due to the status of the budget process for the two localities.

We expect to fully initiate this conversation in advance of the August meeting.

KCD:kd



Rappahannock Regional Solid Waste Management Board

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To: R-Board Members

From: Julie Williams-Daves

Date: May 4, 2018

Subject: Environmental Monitoring and Management Contract Extensions; Equipment Maintenance Service

The R-Board is asked to consider the authorization of contract extensions for environmental monitoring and professional services, and a sole source contract for maintenance services for Fiscal Year 2019. These authorizations are consistent with the previous actions by the R-Board, and the adopted budget.

RB18-04 – Equipment Maintenance

The R-Board maintains a large inventory of heavy equipment necessary for solid waste landfill operations. Given the unique nature and age of our larger equipment, the amount of waste we are now receiving, the difficult working environment, our regulatory oversight, and the critical nature of landfill operations, it is imperative that funding authorization be readily available for parts and maintenance services. Furthermore, our equipment must be maintained in top operating condition to comply with the Virginia Department of Environmental Quality permit requirements.

The R-Board employs mechanic staff to perform routine maintenance and minor repairs. More complex service work on our larger equipment is performed by trained, factory certified mechanics, using original equipment manufacturer authorized parts. The major pieces of equipment operated at the landfill are manufactured by Caterpillar, and the sole-source authorized dealer for our area for Caterpillar equipment is Carter Machinery Company, Inc. of Salem, Virginia.

Staff recommends approval of RB18-04, authorizing Carter Machinery Company, Inc. to provide parts and service for Caterpillar equipment in FY2018 in the amount not to exceed \$200,000. These funds were included in the approved FY2019 budget.

RB18-05 – Environmental Monitoring, Permit Assistance and Engineering Support

The R-Board authorized Draper Aden Associates (DAA) to provide professional services to assist with landfill gas monitoring and maintenance beginning in FY2014, with contract amendments issued to extend these services for subsequent years. The R-Board also awarded a second contract to DAA to provide environmental monitoring and engineering support beginning in FY2017, allowing extensions for up to four additional years. The second contract is written to allow the scope of work to include the environmental monitoring for landfill gas. Rather than administering two contracts with overlapping scopes, Draper Aden Associates has offered to provide these services in FY2019 under a single contract



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for a combined estimated cost of \$302,250. The adopted budget included \$330,000 for these services. Staff has been very satisfied with the level of service provided by Draper Aden Associates, and recommends they continue to provide these services for FY2019. Staff has reviewed this proposal and believes the proposed amount is reasonable for the level of service provided. These services are necessary for the R-Board to remain in compliance with the various permits issued for landfill operations.

Staff recommends extending the environmental monitoring and engineering support contract, and has included Resolution RB18-05 for R-Board consideration extending the existing contract through June 30, 2019, in an amount not to exceed \$302,250.



Rappahannock Regional Solid Waste Management Board

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RB18-04

PROPOSED
RAPPAHANNOCK REGIONAL
SOLID WASTE MANAGEMENT BOARD

RESOLUTION

At a regular meeting of the Rappahannock Regional Solid Waste Management Board (R-Board) held in the Board of Supervisors Chambers, George L. Gordon, Jr., Administration Center, Stafford, Virginia, on the 16th day of May, 2018:

MEMBERS:

Meg Bohmke, Chairman
William C. Withers, Jr., Vice-Chairman
Tim Baroody
Thomas C. Foley
Mathew Kelly
Cindy C. Shelton

VOTE:

On motion of , seconded by , which carried by a vote of , the following was adopted:

A RESOLUTION TO AUTHORIZE CARTER MACHINERY COMPANY, INC. TO PROVIDE
REPAIR SERVICE AND PARTS FOR LANDFILL EQUIPMENT

WHEREAS, the R-Board must comply with DEQ regulations requiring that equipment be maintained in top working condition; and

WHEREAS, the majority of the equipment operated by the Regional Landfill is manufactured by Caterpillar; and

WHEREAS, Carter Machinery Company, Inc. of Salem, Virginia is the sole authorized dealer for providing repair service and parts for Caterpillar equipment in our area; and

WHEREAS, staff recommends the R-Board authorize the use of Carter Machinery Company, Inc. to provide repair service and parts for Caterpillar brand landfill equipment during FY2019 in an amount not to exceed \$200,000; and

WHEREAS, funding in the amount of \$200,000 has been budgeted and appropriated in the adopted FY2019 budget for this purpose;

NOW, THEREFORE BE IT RESOLVED, by the Rappahannock Regional Solid Waste Management Board on this the 16th day of May, 2018, that the County Administrator, or his designee, is authorized to execute a contract with Carter Machinery Company, Inc. in an amount not to exceed \$200,000 to provide parts and maintenance services for landfill equipment in FY2019.

A Copy, teste:

RAPPAHANNOCK REGIONAL SOLID WASTE
MANAGEMENT BOARD

Keith C. Dayton, Director



Rappahannock Regional Solid Waste Management Board

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RB18-05

PROPOSED

RAPPAHANNOCK REGIONAL SOLID WASTE MANAGEMENT BOARD

RESOLUTION

At a regular meeting of the Rappahannock Regional Solid Waste Management Board (R-Board) held in the Board of Supervisors Chambers, George L. Gordon, Jr., Administration Center, Stafford, Virginia, on the 16th day of May, 2018:

MEMBERS:

Meg Bohmke, Chairman
William C. Withers, Jr., Vice Chairman
Timothy J. Baroody
Thomas C. Foley
Matthew J. Kelly
Cindy Shelton

VOTE:

On motion of , seconded by , which carried by a vote of , the following was adopted:

A RESOLUTION TO RENEW THE CONTRACT FOR PROFESSIONAL ENVIRONMENTAL MONITORING AND MANAGEMENT SERVICES

WHEREAS, the Rappahannock Regional Solid Waste Management Board (R-Board) voted by Resolution RB16-05 to authorize a professional services contract with Draper Aden Associates (DAA) to provide environmental monitoring and engineering support for a period of one (1) year commencing on July 1, 2016; and

WHEREAS, this contract provided for the renewal of these services for four (4) additional years to be negotiated and approved by both parties; and

WHEREAS, there are three (3) additional year of services remaining for this solicitation; and

WHEREAS, this contract also includes services related to landfill gas monitoring and maintenance which have previously been provided under a separate and overlapping contract; and

WHEREAS, DAA has proposed to provide environmental monitoring, engineering support, and landfill gas monitoring and maintenance services for the period for the estimated, not to exceed amount of \$302,250; and



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WHEREAS, DAA has consistently provided these professional services with the highest quality, and

WHEREAS, staff has reviewed this proposal and determined it is reasonable for the scope of services offered.

NOW, THEREFORE, BE IT RESOLVED by the Rappahannock Solid Waste Management Board on this the 16th day of May, 2018, that the County Administrator, or his designee, is authorized to execute an amendment to the contract with Draper Aden Associates to provide environmental monitoring and management services for a period of one (1) year, commencing July 1, 2018 to June 30, 2019, in an amount not to exceed Three Hundred Two Thousand, Two Hundred Fifty Dollars (\$302,250), unless modified by a duly executed Contract Amendment.

A Copy, teste:

RAPPAHANNOCK REGIONAL
SOLID WASTE MANAGEMENT BOARD

Keith C. Dayton, Director



Rappahannock Regional Solid Waste Management Board

489 Eskimo Hill Road • Stafford, Virginia 22554 • 540-658-5279 • FAX 540-658-4523

TO: R-Board Members

FROM: Keith Dayton
Regional Landfill Director

DATE: May 14, 2018

SUBJECT: **Equipment Purchase Contracts**

The Regional Landfill (Landfill) operates a large number of heavy equipment for solid waste transportation and in the operation at the Landfill. All of this equipment sees heavy use, particularly after the implementation of flow control. Furthermore, many of our units have been in operation for twenty years and more, far exceeding their useful life. The R-Board adopted an FY2019 budget that continued the process of replacing outdated equipment, with funding for a new trash compactor and a roll-back truck provided in the approved budget. Staff is taking steps to assure delivery of these new vehicles soon after the start of FY2019. In an effort to further expedite delivery, staff is requesting authorization to purchase this equipment at the May R-Board meeting rather than wait until the August meeting. Details on the two units are provided below.

Trash Compactor

The Regional Landfill has two trash compactors in operation, one is a 1989 model year, and the other was manufactured in 1990. These units are critical to our operations, and both have become problematic to maintain due to age, intense use, and the lack of available parts. Recognizing this, Landfill staff has developed a capital improvement program which replaces one unit in FY2019 and the other in FY2021. Furthermore, the R-Board adopted the FY2019 budget with \$700,000 included to replace the first compactor.

Caterpillar manufactures a Model 826K bulldozer specifically designed for landfill use. Most of the heavy equipment operated by Landfill staff are manufactured by Caterpillar, as we have found them to be very reliable, and backed by a strong local dealer for parts and repair. The local dealer, Carter Machinery, Inc., has provided a sales proposal in the amount of \$693,087 for a new 2018 Caterpillar Model 826K dozer, equipped for solid waste service. This sales proposal is made through a joint purchasing agreement by the National Joint Powers Alliance for a significant discount from the retail price.

Roll-off Truck

The landfill operates a fleet of six roll-off trucks used to transport solid waste, waste treatment plant solids (sludge), and recyclable materials from various locations in the City and County. Our vehicles range from model year 1994 to 2007, with the older ones becoming unsuitable for over the road use. Staff has recommended the systematic replacement of three of the oldest units over the next five years. The adopted budget includes funding to replace the first of these units.

Our fleet of roll-off trucks are manufactured by Mack, and we have found these to be durable units capable of the weathering the extreme service conditions they are required to operate under. The local Mack dealer, Mid-Atlantic Waste Systems, has provided a sales proposal in the amount of \$145,300 for a unit equipped with an motorized tarp system for more efficient use on public roads. This unit is also offered through a joint purchasing agreement by the National Joint Powers Alliance.

Staff recommends approval of Resolutions RB18-06 and RB18-07 authorizing the use of FY2019 funds to purchase a new Caterpillar trash compactor and a Mack roll-off truck for the Regional Landfill.

KCD:kd



Rappahannock Regional Solid Waste Management Board

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RB18-06

PROPOSED
RAPPAHANNOCK REGIONAL
SOLID WASTE MANAGEMENT BOARD

RESOLUTION

At a regular meeting of the Rappahannock Regional Solid Waste Management Board (R-Board) held in the Board of Supervisors Chambers, George L. Gordon, Jr., Administration Center, Stafford, Virginia, on the 16th day of May, 2018:

MEMBERS:

Meg Bohmke, Chairman
William C. Withers, Jr., Vice-Chairman
Tim Baroody
Thomas C. Foley
Mathew Kelly
Cindy C. Shelton

VOTE:

On motion of , seconded by , which carried by a vote of , the following was adopted:

A RESOLUTION TO AUTHORIZE THE PURCHASE OF A NEW SOLID WASTE COMPACTOR
FOR LANDFILL OPERATIONS

WHEREAS, the Regional Landfill (Landfill) operates two solid waste compactors to properly compact solid waste and extend the life of the Landfill; and

WHEREAS, one of these compactors was placed in operation in 1989 and the other in 1990, and with the current pace of solid waste deliveries, it is imperative that both units be in operable condition; and

WHEREAS, the R-Board must comply with DEQ regulations requiring that equipment be maintained in top working condition; and

WHEREAS, it is necessary to replace one of the existing compactor with new equipment of similar size; and

WHEREAS, Caterpillar, Inc. manufactures high quality compactors designed for use in landfill environments, and supported by a strong regional and national maintenance and repair operation; and

WHEREAS, Carter Machinery, the sole distributor for Caterpillar equipment in this area, has proposed to sell a Caterpillar 826K Landfill Compactor, properly equipped for solid waste operations, for the price of \$693,087; and

WHEREAS, this compactor is available under a joint purchasing agreement through the National Joint Powers Alliance; and

WHEREAS, funds are included in the adopted FY2019 budget for equipment;



Rappahannock Regional Solid Waste Management Board

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NOW, THEREFORE BE IT RESOLVED, by the Rappahannock Regional Solid Waste Management Board on this the 16th day of May, 2018, that the County Administrator, or his designee, is authorized to execute a contract with Carter Machinery in an amount not to exceed \$693,087, for the purchase a 826K Caterpillar Compactor for landfill operations.

A Copy, teste:

RAPPAHANNOCK REGIONAL SOLID WASTE
MANAGEMENT BOARD

Keith C. Dayton, Director



Rappahannock Regional Solid Waste Management Board

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RB18-07

PROPOSED RAPPAHANNOCK REGIONAL SOLID WASTE MANAGEMENT BOARD

RESOLUTION

At a regular meeting of the Rappahannock Regional Solid Waste Management Board (R-Board) held in the Board of Supervisors Chambers, George L. Gordon, Jr., Administration Center, Stafford, Virginia, on the 16th day of May, 2018:

MEMBERS:

Meg Bohmke, Chairman
William C. Withers, Jr., Vice-Chairman
Tim Baroody
Thomas C. Foley
Mathew Kelly
Cindy C. Shelton

VOTE:

On motion of , seconded by , which carried by a vote of , the following was adopted:

A RESOLUTION TO AUTHORIZE THE PURCHASE OF A NEW ROLL OFF TRUCK FOR LANDFILL OPERATIONS

WHEREAS, the Regional Landfill relies on roll-off trucks for the transport of solid waste and recycling containers from locations in the City and County, as well as waste treatment residual solids from treatment facilities in both localities; and

WHEREAS, our fleet of roll-off trucks is aging and requires the periodic replacement of vehicles; and

WHEREAS, the R-Board must comply with DEQ regulations requiring that equipment be maintained in top working condition; and

WHEREAS, the majority of the roll off trucks operated by Regional Landfill are manufactured by Mack Trucks (Mack), and Mid-Atlantic Waste Systems is the sole distributor for Mack roll-off trucks in this area; and

WHEREAS, it is necessary to replace an existing Mack roll-off truck which has been in use past the useful life for this equipment; and

WHEREAS, staff has received a quote in the amount of \$145,300 for a new roll-off truck suitably equipped with a motorized tarp system for use on public highways; and

WHEREAS, the Mack is available under a joint purchasing agreement through the National Joint Powers Alliance; and

WHEREAS, funds are included in the adopted FY2019 budget for this equipment;



Rappahannock Regional Solid Waste Management Board

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NOW, THEREFORE BE IT RESOLVED, by the Rappahannock Regional Solid Waste Management Board on this the 16th day of May, 2018, that the County Administrator, or his designee, is authorized to execute a contract with Mid-Atlantic Waste Systems in an amount not to exceed \$145,300 to purchase a Mack Truck roll-off vehicle for landfill operations.

A Copy, teste:

RAPPAHANNOCK REGIONAL SOLID WASTE
MANAGEMENT BOARD

Keith C. Dayton, Director



Rappahannock Regional Solid Waste Management Board

489 Eskimo Hill Road • Stafford, Virginia 22554 • 540-658-5279 • FAX 540-658-4523

TO: R-Board Members

FROM: Keith Dayton
Regional Landfill Director

DATE: May 12, 2018

SUBJECT: **Budget Amendment**

Staff advised the R-Board of extraordinary expenses related to equipment maintenance and repair at recent meetings. These costs were for the most part related to the age of our equipment and the additional service they required as a result of the increased solid waste deliveries brought about by flow control. Although staff has managed remaining funds very strictly, and transferring any available funds from other accounts to funds maintenance and repair, we find ourselves perilously close to running out of funds with approximately a month and a half remaining in the fiscal year.

During FY2018, two unbudgeted events occurred that contributed to the current situation. First, one of our employees was in an accident in September 2016 while driving a Landfill motor vehicle. The accident was the fault of our employee and injured another motorist. The resultant medical expenses were reimbursed in the current fiscal year in the amount of \$48,912.

Second, the R-Board approved funding for debt service payments to the Virginia Resources Authority for Cell F-2 in the FY2017 budget. This included a spring debt service payment in the amount of \$41,000. This payment was not made until after the start of FY2018, and the funds were taken from the current fiscal year.

The above unanticipated and unbudgeted expenses would be absorbed within various budget lines in a normal year; however, this year we have incurred unexpectedly high maintenance and repair costs for our equipment, along with increased fuel costs, and have had to transfer virtually all remaining funds into these budget lines to maintain critical operations. We have insufficient funding remaining to assure continued operations until the new fiscal year begins on July 1.

Revenues for FY2018 are currently projected to be well in excess of the \$6,024,240 included in the approved budget, but the requested additional funding must be budgeted and appropriated. This action would reduce the amount of the surplus revenue deposited into the reserve fund.

Staff has attached Resolution RB18-08 approving a budget amendment to increase the approved expenditure budget by the amount of \$90,000, and budget and appropriate R-Board reserve funds for this purpose. Staff recommends approval.

KCD:kd



Rappahannock Regional Solid Waste Management Board

489 Eskimo Hill Road • Stafford, Virginia 22554 • 540-658-5279 • FAX 540-658-4523

RB18-08

PROPOSED
RAPPAHANNOCK REGIONAL
SOLID WASTE MANAGEMENT BOARD

RESOLUTION

At a regular meeting of the Rappahannock Regional Solid Waste Management Board (R-Board) held in the Board of Supervisors Chambers, George L. Gordon, Jr., Administration Center, Stafford, Virginia, on the 16th day of May, 2018:

MEMBERS:

Meg Bohmke, Chairman
William C. Withers, Jr., Vice-Chairman
Tim Baroody
Thomas C. Foley
Mathew Kelly
Cindy C. Shelton

VOTE:

On motion of , seconded by , which carried by a vote of , the following was adopted:

A RESOLUTION TO AUTHORIZE A BUDGET AMENDMENT TO THE ADOPTED FY2018
BUDGET

WHEREAS, the R-Board approved a Fiscal Year 2018 budget in the amount of \$5,430,162; and

WHEREAS, the Regional Landfill (Landfill) has sustained unanticipated and unbudgeted FY2018 expenses in the amount of \$48,912 for an insurance settlement resulting from an employee accident in 2016; and

WHEREAS, the Landfill also made a \$41,000 interest payment for Cell F2 which had been budgeted in FY2017, but unexpectedly was paid for in FY2018; and

WHEREAS, expenses related to maintenance, repair, and fuel costs have exceeded budgeted amounts and require additional funding for the balance of the fiscal year to assure continued operation; and

WHEREAS, funds are available in the R-Board Reserve Fund, but must be budgeted and appropriated;

NOW, THEREFORE BE IT RESOLVED, by the Rappahannock Regional Solid Waste Management Board on this the 16th day of May, 2018, that the approved FY2018 budget be increased by the amount of Ninety Thousand Dollars (\$90,000) to fund unanticipated and unbudgeted expenses; and

BE IT FURTHER RESOLVED that the amount of Ninety Thousand Dollars (\$90,000) be budgeted and appropriated from the R-Board Reserve Fund.

A Copy, teste:

RAPPAHANNOCK REGIONAL SOLID WASTE
MANAGEMENT BOARD

Keith C. Dayton, Director



Rappahannock Regional Solid Waste Management Board

489 Eskimo Hill Road • Stafford, Virginia 22554 • 540-658-5279 • FAX 540-658-4523

To: R-Board Members

From: Keith Dayton, Director

Date: May 4, 2018

RE: Commercial Business Requests for Resident Annual Pass

The R-Board adopted a resident fee program for use of the convenience centers at the main landfill site at Eskimo Hill Road and the location in the City on Belman Road. The program precludes use of the convenience centers by commercial customers, who are directed to the commercial facilities at the landfill.

The R-Board adopted a policy to grant exceptions to the prohibition of use of resident facilities by commercially registered vehicles at the April 2015 meeting with the following conditions:

- Vehicles shall only transport the customer's personal household waste.
- There shall be no commercial labeling on the vehicles.
- Customers must sign a form agreeing to deliver only their personal household waste.
- Customers granted this exception shall come to the R-Board main office to have the vehicle(s) inspected and pick up their pass. Our other sales locations will not offer this service.

Staff has received a request for exception to the commercial vehicle restriction as noted below.

Robert Boutchyard
Harold's Electric
310 Burnside Avenue
Fredericksburg, VA 22405

Mr. Boutchyard is in possession of a vehicle registered to a business. He wishes to use this unmarked, non-logo bearing vehicle to transport trash from his residence to the landfill.

Staff finds this request consistent with others previously granted by the R-Board and requests that the R-Board indicate its decision related to this exception by motion, and we will contact the individual accordingly.

KCD:kd