

**RAPPAHANNOCK REGIONAL SOLID WASTE
MANAGEMENT BOARD**

REGULAR MEETING AGENDA

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

**August 20, 2014
1:30 P.M.**

- A. CALL TO ORDER.**
- B. ROLL CALL TO DETERMINE QUORUM**
- C. ELECTION OF OFFICERS**
- D. APPROVE MINUTES OF PRIOR BOARD MEETINGS (Tab 1)
May 21, 2014**
- E. PRESENTATIONS BY THE PUBLIC**
- F. REPORT OF R-BOARD ATTORNEY**
- G. REPORT OF STAFF (Tab 2)**
 - 1. Personnel Status Update**
 - 2. Environmental Compliance Report**
 - a. Staff Report**
 - b. Consultant Report**
 - 3. Operations Update**
 - a. Cell E Gas Extraction/AMERESCO Update**
 - b. Belman Road Compactors**
 - c. Cell F2 Design Status**
 - d. Cell F1 Filling Status**
 - 4. Correspondence & Media**
- H. REPORT ON FINANCES (Tab 3)**
 - 1. Financial Summary Through July 31, 2014**
 - 2. Weight & Material Analysis Through July 31, 2014**
 - 3. Weight & Material Analysis for FY2014**
 - 4. Construction/Demolition Materials Collections**
- I. UNFINISHED BUSINESS (Tab 4)**
 - 1. Financial Discussion**
- J. NEW BUSINESS (Tab 5)**
 - 1. Rappahannock Goodwill Industries**
 - a. RB14-03**
 - 2. Sheriff's Facility**
 - a. RB14-04**
 - 3. Professional Services Authorization**
 - a. RB14-05(Resource International Ltd.)**
 - b. RB14-06(Draper Aden, Inc.)**
 - 4. Recycling and Maintenance Services Authorization**
 - a. RB14-07(County Waste, LLC)**
 - b. RB14-08(Carter Machinery Company, Inc.)**
- K. CLOSED SESSION**
 - 1. Negotiation of Contract – Section 2.2-3711(a)(29)**
- L. NEXT SCHEDULED MEETING
November 19, 2014, Board of Supervisors Chambers, Stafford County Administration Center, 1:30 PM**
- M. ADJOURNMENT**

D. APPROVE MINUTES
OF PRIOR BOARD MEETINGS (TAB 1)
May 21, 2014

MINUTES

RAPPAHANNOCK REGIONAL SOLID WASTE MANAGEMENT BOARD

Wednesday, May 21, 2014

George L. Gordon Government Center

Board of Supervisors Chambers

Meeting Convened: A regular meeting of the Rappahannock Regional Solid Waste Management Board (R-Board) was convened at 1:32 P.M., Wednesday May 21, 2014, at the Stafford County Administration Center, Board of Supervisors Chambers.

Roll Call: The following members were present: Paul V. Milde, III, Chairman; Frederic N. Howe, III, Vice-Chairman; Beverly R. Cameron; Gary Snellings; Anthony J. Romanello; Absent: George Solley.

Also in attendance were: Brendan Hefty, Esq., Hefty and Wiley, P.C., R-Board Attorney; Robert L. Hundley, Resource International, Ltd., Consulting Engineer; Keith C. Dayton, Deputy County Administrator; Jason Pauley, R-Board Superintendent; Diane Jones, Julie May, Stephanie Persico, Lisa Butler, Britney Stone, R-Board Staff; Tim Lee, Business Development Manager for Tidewater Fiber Corporation; Max Johns, Republic Services; Lynne Thomas, Republic Services; Joanie DeShazo, Stafford County Administration

Mr. Howe motioned, seconded by Mr. Snellings, to approve the minutes for April 2, 2014.

By voice, the vote was:

Yea:	(5)	Milde, Howe, Cameron, Snellings, Romanello
Nay:	(0)	
Absent:	(1)	Solley

Presentations by the Public: The following members of the public desired to speak:

Mr. Bill Johnson, Whitson Lane - Mr. Johnson expressed the following points:

- Chemicals and toxins such as mercury, benzene, and arsenic are concentrated during the pyrolysis process. He stated that consolidating the garbage through incineration creates the opportunity for larger amounts of hazardous chemicals to be dumped into the landfill. A group named Urban Ore in California has developed a plan to build a resource park, where all the recyclables and MSW are sorted, priced, and sold. Recyclables are reused resulting in less garbage going into the landfill.
- The R-Board has not been charging trucks for their tonnage but rather per truck. Companies are overloading their trucks coming into the landfill to take advantage of this lesser cost. The R-Board is concerned about raising the tipping fee because the garbage will go elsewhere. Mr. Johnson recommended encouraging residents to dump at other landfills.
- Spoke about the impact on global warming that an incinerator would have.

- Expressed concern as to why the R-Board is rushing into an RFP for a pyrolysis plant when the technology hasn't been successfully tested before.

Report of the R-Board Attorney: Mr. Hefty reported there are no issues to report on at this time.

Report of Staff: Mr. Dayton provided a staffing update. The landfill is currently authorized for 34 positions; 28 positions are currently filled with 6 vacant positions. He reported that the R-Board has completed the recruiting process for the Maintenance Worker 1 position. The R-Board will be fully staffed as far as the plans for the current year and the next fiscal year.

Permit Report: Ms. Julie May, Environmental Manager, reported on the following:

- In regards to the air permit, the R-Board staff is working with Resource International and DEQ to submit and gain approval of a new Title V air permit. DEQ had some questions and R-Board staff is working with Resource International on revisions. A revised application will be sent back to DEQ soon.
- DEQ's 1st quarter compliance inspection was conducted on March 27th. This inspection resulted in a warning letter issued for visible waste. There was an open excavation due to pipe repairs. The repairs are now complete and DEQ was notified of the site improvement.
- Staff is working with DEQ about the corrective action for the groundwater. Ms. May submitted a response, and to date has only received an acknowledgement of the receipt of the response.
- R-Board staff is working with Draper Aden Associates to adjust the well field and troubleshoot the landfill gas migration. The likely cause is a non-functional gas collection well due to excessive moisture. Resource International is assisting by providing weekly reports to DEQ.

Mr. Hundley discussed Permit 589 and the preconstruction meeting with the contractor who is installing the landfill gas extraction wells that are being placed in Cell E. The wells were drilled the week of May 12th. Resource is working with the R-Board Superintendent to obtain quotes from liner companies to close the storm water drainage ditch at the northeast corner of Cell F-1. Mr. Hundley reported that in late March Fredericksburg's (Cool Springs Road) landfill had at least three gas probes with readings above compliance levels. Resource has begun weekly sampling and is trying to troubleshoot the problem and make sure the flare is giving as much vacuum to the system as possible.

Operations Update: Mr. Jason Pauley, R-Board Superintendent, reported on the following:

- **Landfill gas collection system rehabilitation:** The repairs to the landfill gas collection system were completed on April 11th. AMERESCO is now running at 100%. The system has been operational and stable, providing consistent quality gas to AMERESCO's power plant. AMERESCO has been able to run consistently at peak power production with the stable gas supply.

Draper Aden Associates started work on April 10th as the R-Board's landfill gas operations and maintenance contractor. Mr. Pauley reported that he is pleased with their work so far. They are

currently assessing the existing collection wells and providing recommendations for improvement.

- **Cell E Landfill Gas Extraction System Upgrades Progress:** SCS Field Services started May 13th and completed the installation of all the wells. Installation of the landfill gas collection system lateral and header pipe to connect the new wells is to be completed by the end of next week. Odors can be expected to be generated during this construction project due to the penetration of the landfill cap for well installation; odors shouldn't be a factor during evening hours. After construction is complete, odors related to landfill gas should be greatly reduced.

Mr. Milde asked Mr. Pauley to further explain AMERESCO's relationship with the landfill. Mr. Pauley explained that AMERESCO receives methane gas from our collection system, which is produced in the landfill from the decomposing waste. This gas is able to power their engines to produce 2.2 megawatts of energy, an amount equivalent to the supply for 1,300 homes. He also noted that AMERESCO has advised us they will consider the installation of a third engine once we have demonstrated a consistent, high quality methane supply. This will result in an increase in revenues from AMERESCO.

Ms. Diane Jones, Recycling Coordinator, reported on the following:

- **F.O.R River Cleanup:** On April 26, The R-Board assisted the Friends of the Rappahannock with their bi- annual river clean up, collecting 2.5 tons of litter.
- **HHW Day Planned:** The next Household Hazardous Waste collection day at the Eskimo Hill residential drop-off site is on Saturday, June 14, 2014 from 9 A.M. to 3 P.M. This program is free to County and City residents.
- **Fluorescent Bulb Recycling:** In April, 4,040 linear feet of straight bulbs, 563 compact bulbs, and 77 U-shaped bulbs were collected and recycled.
- **Scale Code Revisions:** Administrative staff worked with the landfill Scale Master and the Finance department to streamline and combine the material codes. The scale codes were revised from 112 to 54. The removal of unused and duplicate codes will enhance waste characterization and ensure accuracy in identifying waste received.
- **Single Stream Recycling Update:** An RFP for the recycling of our single stream was sent out and the R-Board received four responses. The proposals are currently under evaluation.

Customer Survey Results: Mr. Dayton reported on the residential survey, which was conducted from May 5 - 11 at the Eskimo Hill landfill and Belman Road facility.

- Pertaining to the usage of each facility, there was an 80/20 split with Eskimo Hill location (80%) and Belman Road (20%).
- There was a 56/44 split with usage for Belman Road from Fredericksburg and Stafford County residents, respectively, whereas the Eskimo Hill facility usage was 96% Stafford residents.

- Eskimo Hill received over 1,000 cars per day on Saturday and Sunday, averaging about 175 vehicles per hour.

Mr. Howe questioned the discussion made about closing the Belman Road facility and noted that this discussion may need to be reconsidered since there is a significant amount of use from Stafford County residents. Mr. Howe suggested exploring the possibility of opening another site like Belman to reduce the traffic on Eskimo Hill Road to the main landfill site. He acknowledged the increase in costs to the R-Board and noted that with the current financial situation it may not be feasible.

Correspondence and Media: Mr. Dayton reported on Ms. May's work with the community outreach programs along with the schools and educating the youth about the importance of recycling.

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

Financial Summary through April 30, 2014: Revenues recovered in April; we should be able to finish FY14 slightly ahead with commercial tipping fee revenues. This is offset by decreases in recycling and AMERESCO revenues. Now that AMERESCO is back to 100%, Mr. Dayton is optimistic that AMERESCO's revenue will improve. He also stated that he is hopeful about the potential of the RFP for the single stream recycling to increase recycling revenue in the next fiscal year.

Waste and Material Analysis: With revenues being up, our commercial tonnage is also up. Mr. Dayton stated that the cleanup category was up 80 percent due to the R-Board assisting the City in large cleanup efforts. Mr. Dayton thanked Ms. Lisa Butler for her assistance. He reported that the non-billable was 26 percent of total landfill tonnage.

Customer Account Status: The status of delinquent customer accounts is level with the last report, showing only a minor increase of \$17,000.

Unfinished Business: Mr. Dayton reported on the following:

1. **Alternative Solids Handling Processes Proposal Update.** R-Board staff completed the RFP review process for the Alternative Solid Waste Handling proposal and selected Arcadis, a nationally recognized firm with extensive experience in the solid waste handling field. Arcadis completed their review of the initial proposal, prepared by the R-Board staff, and offered their suggestions for modifying the proposal. Revisions include the restructuring of the proposal content for clarity, additional submission requirements for emerging technologies, and including the option for conversion of the landfill to a zero waste facility. All of the revisions that resulted from the public comment period were kept as well. The entire proposed RFP was included in the Board packet.

Mr. Snellings asked what the next steps are if the resolution is passed. Mr. Dayton explained that a contract would be advertised for 60 days (minimum as recommended by Arcadis) as soon as early June. Staff would do an initial review and summarize the responses, and bring the report to the Board at the

August meeting. This would not be a full evaluation. The evaluations would continue, and a recommendation would be brought to the R-Board for consideration at the November meeting at the earliest. After selecting a potential contractor, an environmental study would be conducted (per the proposal requirements). A complete package would be created sometime in early 2015. Then public information meetings would be conducted. Mr. Snellings asked when the proposal goes to a public hearing. Mr. Dayton answered that prior to construction there would need to be a conditional use permit that requires both the Planning Commission and Board of Supervisors approval. During the August meeting, the Board would review any potential proposals of interest. If there are any proposals of interest at that time, it will initiate at least three months of evaluation.

Mr. Milde asked if a lease agreement would trigger the need for a separate public hearing. Mr. Hefty answered that a public hearing would be necessary if there were to be a lease agreement. Mr. Snellings wants as much public involvement as possible. Mr. Milde asked if the R-Board has any plans to build an incinerator in Stafford. Mr. Dayton answered no. Mr. Milde asked if the resolution to move forward with the RFP would bring an incinerator to Stafford, Mr. Dayton answered that it would not. Mr. Milde asked if the resolution were to be passed, would it bring Stafford closer to importing tires. Mr. Dayton answered that it does not, and stated that this proposal process only solicits new ideas for waste processing technology.

Mr. Howe encouraged the Board to explore the alternatives. He said that longevity of the landfill is very important. He noted that 30-40 years is not that far away. He understands the public's desire to move the waste to other locations, but it is still the R-Board's problem. He hopes that the solution would not contribute to the problem of global warming. He was optimistic that the R-Board would continue to identify the problem, find solutions, and then act on them.

Mr. Milde asked Mr. Dayton to define zero waste. Mr. Dayton answered that that the concept can be taken literally or as a goal. He stated that the R-Board's goal has always been zero waste and noted the R-Board's current recycling rate is approximately 50 percent. Zero waste is a method of constantly looking at the waste stream and diverting as much as possible from landfilling. Mr. Milde stated that the trash buried in the landfill produces greenhouse gases. Mr. Pauley explained how landfill gas forms from the decomposition of the solid waste, the way the R-board captures the methane, and how it is put to beneficial use by AMERESCO. Mr. Milde asked about the liner system. Mr. Hundley explained that another byproduct of a landfill is leachate and that a 60-mil HDPE plastic liner contains the leachate and prevents pollution. Mr. Dayton stated the leachate is collected and sent to the wastewater treatment plant, where it is cleaned and then discharged back into the surface water system.

Mr. Howe motioned, seconded by Mr. Snellings, to approve proposed Resolution RB14-02.

By voice, the vote was:

Yea:	(5)	Milde, Howe, Cameron, Snellings, Romanello
Nay:	(0)	
Absent:	(1)	Solley

Proposed Resolution RB14-02 reads as follows:

A RESOLUTION TO AUTHORIZE THE ISSUANCE OF A REQUEST FOR PROPOSALS
FOR ALTERNATIVE METHODS OF HANDLING SOLID WASTE AT THE
RAPPAHANNOCK REGIONAL LANDFILL

WHEREAS, the R-Board desires to reissue the Request for Proposals to solicit proposals from qualified firms interested in providing alternative methods for handling solid waste at the Rappahannock Regional Landfill; and

WHEREAS, the R-Board received and incorporated public input into this Request for Proposals;
and

WHEREAS, the R-Board has also sought and incorporated input from a nationally recognized firm experienced with alternative methods of processing solid waste; and

WHEREAS, the R-Board has determined that the Request for Proposals, as amended, is suitable for advertisement; and

WHEREAS, the R-Board desires to advertise the Request for Proposals for a period of approximately 60 calendar days;

NOW THEREFORE BE IT RESOLVED that the Request for Proposals for Financing, Construction, Operation, and Maintenance of Alternative Methods of Processing Municipal Solid Waste for the Rappahannock Regional Solid Waste Management Board (R-Board) is hereby authorized for advertisement for a period of approximately (60) days.

2. **Financial Discussion.** Mr. Dayton explained the previously issued request to balance the operating budget in the amount of \$228,000, split evenly between the two jurisdictions at \$114,000, was declined by the County of Stafford Board of Supervisors. The Fredericksburg City Council authorized the expenditure of \$114,000 in their approved budget. The actions by Stafford may have an effect on Fredericksburg's decision.

Mr. Dayton introduced a discussion about funding the construction of Cell F2, which must be available for operation in December 2015. Mr. Milde asked when space will run out in Cell F1. Mr. Dayton stated that Cell F1 will be completely full by December 2015. Mr. Dayton further explained that the construction bid for Cell F2 needs to go out in December 2014 so a contract can be awarded by February 2015. Construction should begin in spring 2015. Mr. Milde asked when the R-Board needs to have this funding issue resolved. Mr. Milde asked how much money

is needed to take care of the Cell F2 expansion. Mr. Dayton stated that it is estimated to be about \$4 million. He stated that we need about \$650,000 yearly to fund the capital cost for landfill capacity. If the R-Board were to obtain a loan for the construction, the debt service would be around \$800,000. The Board has \$13,000 in unrestricted reserves and this current year is looking at a deficit of \$228,000 operations. This deficit does not include depreciation costs. Mr. Dayton stated that the R-Board does have about \$4.2 million in liquid assets held in reserve for closure. Mr. Dayton stated that the R-Board will hit an operations hard-stop next December and we will need the \$4 million for our closure/post-closure costs to stay in compliance with DEQ. Mr. Milde suggested checking with King George and Spotsylvania County landfills to assess the cost of transferring our waste to their facilities. Mr. Milde suggested that this issue go before the Stafford Board of Supervisors at their next meeting and staff needs to be prepared for scenarios showing the direness of the situation. Mr. Snellings agreed that this is an issue for the local governments to consider.

Mr. Snellings asked staff to outline options that will be presented to the Board of Supervisors at their next meeting. The options will be:

1. Charging residents for use of the landfill
2. Close on weekends or possibly extend hours on Saturday and close on Sunday
3. Close the landfill permanently and transfer all trash to the landfill in King George County

Mr. Snellings asked how much money would be saved if the R-Board closed the facilities on Sundays. Mr. Dayton stated \$62,000. Mr. Snellings asked how much Spotsylvania subsidizes their landfill. Mr. Dayton informed the board that Spotsylvania provides \$2.69 million from the general fund for their landfill. Mr. Snellings reiterated that this issue is too significant, since it affects every resident of Stafford County, for the R-Board to make a decision and needs to be presented to the Board of Supervisors. Mr. Snellings asked how much money could be saved through the elimination of the litter program. Mr. Dayton responded that it costs about \$300,000 per year, but a \$25,000 grant supports that effort. Mr. Snellings tasked staff with, in addition to providing the two scenarios for revenue enhancement and shipping trash to King George, that he show a comparison with Spotsylvania County when he makes his presentation to the Stafford Board of Supervisors. Mr. Milde added that the Stafford Supervisors need to be made aware that without any changes, the landfill will shut down. The R-Board directed staff to bring the R-Board's financial matters before the full Stafford Board of Supervisors as soon as possible. Mr. Howe added everyone that the City Council needs to be involved since City residents will be affected by the direction the Stafford Board takes. He also reminded the R-Board that he would like to see the leasing terms in the operating agreement between Fredericksburg and Stafford be eliminated.

Relic Hunting Request: Mr. Dayton stated that the request for relic hunting is resolved because the individual withdrew his request.

New Business:

Recognition of R-Board Members: Mr. Milde read and presented Proclamation (PRB14-03) to Mr. Howe.

Proclamation PRB14-03 reads as follows:

**A PROCLAMATION TO RECOGNIZE FREDERIC HOWE, III,
FOR OUTSTANDING SERVICE TO THE
RAPPAHANNOCK REGIONAL SOLID WASTE MANAGEMENT BOARD**

WHEREAS, Fredric Howe, III, has been a loyal and dedicated member of the R-Board since 2010;
and

WHEREAS, Frederic Howe, III served as Chairman of the R-Board in 2012 and Vice-Chairman in 2011 and 2013; and

WHEREAS, Mr. Howe contributed to the leadership and deliberation that allowed the R-Board to build a new compost facility in 2010 and construct new cell F1 in 2011; and

WHEREAS, under the leadership of Mr. Howe and other members of the R-Board, the backyard composting program won a Virginia Recycling Association Award for Excellence in Recycling in the "Outstanding Education Program" category in 2012; and

WHEREAS, the support and oversight of Mr. Howe and members of the R-Board helped build an exceptional recycling program in which the percentage of recycled materials consistently exceeded the state's average;

NOW, THEREFORE, BE IT PROCLAIMED by the Rappahannock Regional Solid Waste Management Board on this the 21st of May, 2014, that Frederic N. Howe, III, be and hereby is recognized for his years of outstanding community service and dedication to the R-Board.

Mr. Howe thanked the R-Board and staff and declared his tenure on the R-Board a most exciting time. He felt honored to be on the R-Board. He said he learned a lot and will continue to follow the work of the R-Board as a citizen.

Mr. Snellings motioned, seconded by Mr. Cameron, to approve proposed Proclamations PRB14-03

By voice, the vote was:

Yea:	(4)	Milde, Cameron, Snellings, Romanello
Nay:	(0)	
Absent:	(1)	Solley
Abstain	(1)	Howe

Proclamation PRB14-04 reads as follows:

A PROCLAMATION TO RECOGNIZE GEORGE SOLLEY
FOR OUTSTANDING SERVICE TO THE
RAPPAHANNOCK REGIONAL SOLID WASTE MANAGEMENT BOARD

WHEREAS, George Solley has been a loyal and dedicated member of the R-Board since 2008;
and

WHEREAS, George Solley served as Vice-Chairman for the R-Board in 2009 and 2010; and

WHEREAS, during Mr. Solley's tenure on the R-Board, he helped facilitate the process of deeding over R-Board land to establish Stafford County's Civil War Park; and

WHEREAS, Mr. Solley contributed to the leadership and deliberation that allowed the R-Board to build a new compost facility in 2010 and construct a new cell F1 in 2011; and

WHEREAS, under the leadership of Mr. Solley and other members of the R-Board the backyard composting program won a Virginia Recycling Association Award for Excellence in Recycling in the "Outstanding Education Program" category in 2012; and

WHEREAS, the support and oversight of Mr. Solley and members of the R-Board helped build an exceptional recycling program in which the percentage of recycled materials consistently exceeded the state's average;

NOW, THEREFORE, BE IT PROCLAIMED by the Rappahannock Regional Solid Waste Management Board on this the 21st day of May, 2014, George Solley be and hereby is recognized for his years of outstanding community service and dedication to the R-Board.

Mr. Snellings motioned, seconded by Mr. Cameron, to approve proposed Proclamations PRB14-04.

By voice, the vote was:

Yea:	(5)	Milde, Howe, Cameron, Snellings, Romanello
Nay:	(0)	
Absent:	(1)	Solley

Future Session: The next meeting will be held on August 20th, 2014 at 1:30 P.M. in the Stafford County Administrative Center, Board of Supervisors Chambers.

Adjournment: The Chairman adjourned the meeting at 2:36 P.M.

G. REPORT OF STAFF (TAB 2)

1. Personnel Status Update

2. Environmental Compliance Report

a. Staff Report

b. Consultant Report

3. Operations Update

a. Cell E Gas Extraction/AMERESCO Update

b. Belman Road Compactors

c. Cell F2 Design Status

d. Cell F1 Filling Status

4. Correspondence & Media



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 May

Date: August 20, 2014

RE: Environmental Compliance Update

SWP #589 – Compliance Inspection

The DEQ's second quarter compliance inspection, conducted on June 30, resulted in a warning letter for landfill gas migration. All the other previously noted issues regarding visible waste were resolved. The warning letter is standard procedure for DEQ even though the R-Board has been diligently working to correct and continually monitor the gas migration from Area 74.

Gas Probe 7 (GP-7) showed elevated levels of methane from March 31 through the first week of July. The R-Board worked with Draper Aden Associates to improve the vacuum for landfill gas by pumping water out of two gas extraction wells and a condensate sump. The manual pumping is effective, but time consuming. Staff is researching the installation of automatic pumps.

Gas probe 4 (GP-4), in the same area as GP-7, began showing elevated levels of methane and carbon dioxide on June 23. Staff and Resource International are monitoring the probe weekly and are working on a remediation plan for this probe too. Draper Aden Associates will be collecting soil vapor samples from GP-4 to help fingerprint the source of the decomposition gases.

Groundwater Monitoring – Area #74

Staff continues to work with DEQ to prepare for the corrective action that will be needed for the groundwater exceedance in Area 74. Staff is working with VDOT to gain access to their property for the installation of an additional groundwater monitoring well. In the meantime, the solid waste regulations allow for interim measures to be taken and staff is working on implementing a pilot study to include the injection of an oxidizer into the groundwater. Depending on the subcontractor's schedule and feedback from DEQ, the pilot study could be completed prior to the regularly scheduled groundwater sampling event on August 25.

Virginia Environmental Excellence Program – EMS

The R-Board continues to participate in the DEQ's VEEP program at the E3 level. Staff has completed the annual review of the environmental policy and has made a few minor changes.

TO: R-Board
FROM: Bob Hundley
DATE: August 15, 2014
SUBJ: R-Board Engineering Consultant's Report
PN: 88071.27
CC: Mike Fiore

Resource offers the following for the R-Board Engineering Consultant's report:

Old Permit No. 74 (Disposal Area 74 - Post Closure)

- Weekly landfill gas sampling has been conducted at the area around GP-7 since an exceedance was identified earlier this year. Resource prepared and coordinated with R-Board staff for the submittal to DEQ of the required Landfill Gas Remediation Plan to address measures to correct the situation. Three consecutive weekly sampling events below compliance levels were achieved in July, so the sampling there has reverted to monthly sampling.
- While conducting the quarterly landfill gas sampling event in June, Resource found that GP-4 had a reading above compliance levels; DEQ was notified as required, and Resource is working with the R-Board staff to submit a separate LFGRP to address the situation around GP-4.

Permit No. 589 (Cells C/D/E/F-1 - Active)

- DEQ accepted the revised Title V Air Permit Application submitted by Resource and R-Board staff in June. They requested one additional amendment to the application which will be submitted prior to August 15.
- Resource and the R-Board staff managed the installation of new landfill gas extraction wells within Cell E. The wells and piping network were installed in May, and Resource performed as-built surveys of the new work in early June. The additional wells from Cell E will greatly enhance the landfill gas quality at the Ameresco Stafford, LLC electrical generating facility on-site.
- Resource and the R-Board staff completed a required survey in the Cell F2 area for the threatened and endangered species – small-whorled pogonia – in June. The associated report has been submitted and accepted by the reviewing agency. Resource and the R-Board staff continue to work to ensure all environmental conditions from their permit are met relative to the construction of Cell F-2. Wetland and stream credits must be purchased and a conservation easement must be created. Resource will complete the conservation easement plat within the next 30 days for review by the R-Board staff.
- Resource completed a field survey of the waste limits within Cell F-1 in July to assist the

R-Board Engineering Consultant's Report

August 15, 2014

Page 2

R-Board staff with a more precise basis for calculating the remaining site life of F-1 and the construction schedule required for Cell F-2.

Fredericksburg Landfill

- Resource conducted weekly landfill gas sampling through April, May, June and most of July. Three consecutive weekly reports with levels below compliance levels were collected in late July, and the facility has now moved to monthly sampling.



Rappahannock Regional Solid Waste Management Board

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

MEMO

To: Keith Dayton, Deputy County Administrator
From: Jason M. Pauley, R-Board Superintendent
Date: August 20, 2014
RE: Operations Update

Cell E Gas Extraction & AMERESCO Status

The landfill gas extraction system for the recently closed Cell E was expanded with a network of 11 new wells and 2 replacement wells. The project was completed for 30% less than the estimated cost, and incorporated repairs to the existing gas collection system. The addition of the new wells and collection piping have resulted in an approximate 40% increase in landfill gas available to AMERESCO and our flare. The system has been operating reliably, without operational outages to AMERESCO since construction was completed the end of the first week of June. These improvements will allow stable income from the AMERESCO waste to energy facility, and may encourage the company to expand their operation to include a third engine. Additionally, on site and off site odors related to landfill gas have been all but eliminated.

Belman Road Convenience Center Compactors

The Belman Road collection site compactors are scheduled to be delivered to our vendor during the first week of September. The compactors will increase efficiency at this location, while also improving the aesthetics at the site. We are in the process of contracting with a company to install the concrete pads and related electrical service necessary to make the compactors operational. We are also working with Dominion Power to provide the power upgrades necessary for the site. We will make temporary changes in traffic flow at the site, and will make every effort to notify our customers and minimize impacts while we make the planned upgrades.

Cell F2 Design

Landfill Cell F2 construction plans were submitted to the Planning Department for an infrastructure plan review. The first review comments are due by August 18th. Any revisions necessary to the plans will be completed expeditiously, and re-submitted for approval. Additionally, details in the construction plans of Cell F2 are being reviewed to optimize cost, schedule, and future operational considerations. We are on schedule to have bid ready documents available in late 2014.

Cell F1 Filling Rate

We completed a ground survey of Cell F1 in July. The survey results indicate that approximate 273,296 cubic yards of 545,700 cubic yards available have been consumed. Current compaction is on target with expected ratios, and the density is expected to increase with subsequent higher lifts placed in the Cell. Based on current waste receipts, it is anticipated that current airspace will last into the fall of 2015 as projected. Increases or reductions in waste received, and operational efficiencies will affect the actual date. We will continue to maximize operational efficiency, and closely monitor the anticipated fill date for Cell F1.

Stephanie Persico

From: Stephanie Persico
Sent: Wednesday, June 04, 2014 10:18 AM
To: Jason M. Pauley
Cc: Julie M. May
Subject: Belman Road

Ms. Carolyn Brammer called and wanted to thank Mr. Donald Skinner for his hard work when helping her unload her trash at the Belman Road facility. She stated that someone had come into her neighborhood last night and dumped trash so she brought that trash to the Belman Road facility and Mr. Skinner was very nice and helpful.

Can we add this to the next R-Board meeting Board package?

Stephanie Persico
Administrative Specialist
spersico@staffordcountyva.gov
540-658-5279
Fax: 540-658-4523



A Note From School

To Ms. May

Date

I passed out the binders, I have had great response to them! 😊
Everyone is so thankful. Plus you will have me and Mrs. Lewis and our paras so (4) all day for Stem Day. Our kids rotate from teacher-teacher. Going to station-station. be fish!

From Miss Sless

Signature

Please sign and return. Yes No

Thank you for
all your hard
(and hot) work!
I think we have
some future
composters!

Mrs Schwam

THANKS SO MUCH
for the super lesson!
Mrs Selensky

The kids loved it +
will remember it always! - Miss Richards

Thank you
for a great
day!
Mrs. Brown

Thank you so much
for teaching first grade
about composting!
It was a pleasure
organizing things
with you! Have a great
Summer!
- Miss Sluss

Thank you very much for
the lesson about composting.
The kids loved having worms
in our class + @ home.
Mrs Phipps

Thank you for taking
the time to teach our
students all about /
great healthy dirt.
Mrs. Dingman

Dear Ms May & Mr Nelson,

Thank you
for sharing with
our first graders -
One word "WOW"!!
Mrs. Lewis

Thank you for
all your hard work.
Our children had a
great time!
J. Turbin

Thank you so much
for coming to our
School and teaching
the 1st grade about
composting.

Thank you for
the wonderful
composting lesson
no
Dorner

♥ Ms. King

What a wonderful
thing to teach our
children! Thanks
so much!
Mrs. Flanagan

So much!
Fun! Thx.
Mrs. Ober
Thank you so much
for coming in!
The students really
enjoyed your lesson
Ms. Clausen

Julie M. May

From: Vic Eilenfield <veilenfi@aol.com>
Sent: Sunday, June 15, 2014 11:09 AM
To: Julie M. May
Subject: Disposal of Flares

Hi Julie,

I had a lingering question for you. We didn't get any flares yesterday, but a resident inquired last month how he could dispose of flares. I think he had the emergency flares for boating which had expired. I guess we would also encounter those for use in automotive emergencies - the road flares.

Does your hazmat vendor take those?

Yesterday, we did drop off 13 containers of gasoline as well as 13 small bottles of propane - the type for the coleman camping equipment.

Thanks for running a great program!

Vic

THANK YOU

DARE

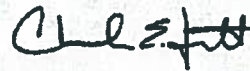
Dear DARE Day Supporters, Exhibitors, and Volunteers,

On behalf of the Stafford County Sheriff's Office, I would like to thank you for helping make DARE Day 2014 such a success! With your support, we were able to introduce over 2,000 DARE graduates to the many organizations and careers available to them in our community. The positive role models they were surrounded by were awe-inspiring.

Also, due to your contributions, many of our fifth grade students were given the opportunity to interact in activities they had never seen nor participated in before. Sharing the message of a drug free and violence free lifestyle was clearly exemplified.

Again, thank you so much for your support!

Sincerely,



Sheriff Charles E. Jett
Stafford Sheriff's Office



View the [Wellness Calendar!](#)

June 27, 2014

If you weren't able to come to the opening of Celebration Stage, run by and check it out!

Please send July calendar entries to [Shannon Howell](#).

B.E.S.T. VALUES

Teamwork Wednesday's grand opening of Celebration Stage was great fun but unfortunately, the weather cut the show a little short. That's when Stafford County's teamwork came out to shine! Members of the many departments represented made sure visitors and vendors exited in a safe fashion before the rain came. Staff worked together to put away equipment at Celebration Stage. Stafford County certainly knows how to work together!



Autumn Simone, daughter of Angela McIlwain of the Sheriff's Office, heads to Alabama in the fall! Roll Tidel

Danielle Smith, of the Treasurer's Office, married Paul Emiro on June 14, 2014. The couple has been together for nine years. Congratulations, Danielle and Paul!



Due to the funeral of SSgt. David Stewart on Tuesday, July 1, the Infrastructure and Community and Economic Development committees will not meet and will be rescheduled. The Board's first meeting will be postponed until 4:00 p.m.

Donald Skinner received a great compliment from a citizen who called the R-Board office to sing his praises. The citizen discovered that someone had dumped trash in her neighborhood. She cleaned it up and when she arrived at the Belman Recycling Center, Donald helped her unload and properly dispose of the material. The citizen was very appreciative of his help. Way to exhibit our B.E.S.T. values, Donald!



The Grand Opening of Celebration Stage and Family Festival at Pratt Park was a resounding success. More than 1,244 folks came out to enjoy the music, food and fun. Anthony thanks all the staff and volunteers who exhibited so many of our B.E.S.T. values while taking the stage from idea to reality. It was certainly a night to remember and the beautiful stage will be a lasting legacy of the work of everyone. In the photo at the right, Jeff Shover of Citizens Assistance poses with a few of the members of the many organizations and groups who came together to help us host the community.



Around the Watercooler

Thank you!

Debbi Shelton-Scites, a Stafford County volunteer, wrote in a message on Facebook of how much she and her granddaughter enjoyed the Grand Opening of Celebration Stage and Family Festival. Debbi volunteered at the event and said she was so happy to volunteer for Jeff Shover and have the chance to meet vendors, and people from different organizations as well as see old friends. Debbi is looking forward to all the diverse entertainment the stage will bring. She finished by writing, "Great job to all involved." Debbi's granddaughter Victoria is pictured above.





Regional Landfill Is a Community Effort

Whether you roll your trash out twice a week to be picked up by a trash service or haul it off yourself, if you live in Stafford County or the City of Fredericksburg, all the trash ends up in one place – the landfill off Eskimo Hill Road.

Despite the landfill's relevance to daily life in our homes, it's not a place most people frequent. So, what is it and what goes on there?

One of the most interesting things about the landfill is that it is a joint operation between Stafford County and the City of Fredericksburg. The City and County entered into an agreement to form the Rappahannock Regional Solid Waste Management Board (R-Board), the entity

The R-Board has seven drop-off recycling centers - four in Stafford County and three in Fredericksburg.

that serves as management oversight over the landfill, in 1989.

The landfill operates on about 150 acres out of 800 acres owned by the City and the County just off of Eskimo Hill Road in Stafford County. The R-Board operates a convenience center located on Belman Road within the City limits, and sev-

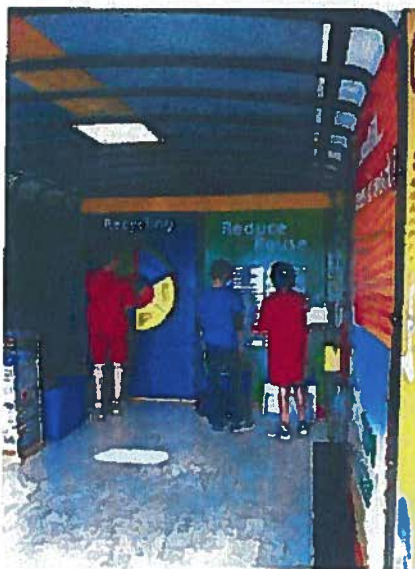
eral recyclable material collection centers in Stafford and Fredericksburg.

While the landfill is the end destination for some waste, it is certainly not the last stop for all the waste. According to the Virginia Department of Environmental Quality, 49% of the material generated in Stafford County and the City of Fredericksburg is recycled. One of the big efforts of the R-Board and the landfill is recycling education and outreach. R-Board staff have created lesson plans for school children and even have a mobile landfill exhibit. They provide free composting classes for homeowners and tips on how to do a better job at going green. They instituted single-stream recycling to make it easier for homeowners to recycle. Everything can go into one container!

For more information on the regional landfill, please visit www.r-board.org.



Parents and scouts learning about how the landfill is engineered by building their own ice cream "landfills."



Students at Stafford County's D.A.R.E. Day event explore the interactive exhibits in the Mobile Landfill Unit.



Mobile Recycling Unit

Dear Mr. Keith Dayton,

July 9, 2014

First, let me apologize for being so late with this thank you. My son, Colton, and I along with several of our friends went on a tour with Julie May in April. She is absolutely incredible and so knowledgeable. Very patient with the kiddos and thinks outside of the box turning the tour into an adventure. We have several pics from the tour along with videos and my Colton's favorite is the recyclable truck video in action.

Colton is a fanatic about the waste and recycle industry. He is in charge of placing recyclables in the recyclable can at home, he waits patiently for the waste and recycle trucks to come on pickup days, when we hear the trucks coming, he stops whatever he is doing to watch, he helps me pull the containers out and back in, wherever we go, he wants to pick up garbage to help the garbage men and his prayers begin every night thanking God for the "garbage station, recyclable station, package station (UPS), mail station and the other mail station."

If he goes into the waste management/environment field, I'd be thrilled because what is happening now in this industry is helping our earth and make it a healthier place for future generations. Thanks to Julie May, we all have an even better understanding and want to be a part of making our community/world even better. She made such a positive impression on Colton, he mentions at least once a day he wants to return to the garbage and recycling houses. Julie May is quite an asset and we really appreciate her. Thank you.

Sincerely,



Deborah Travis



View the Wellness Calendar!

July 18, 2014

Ice Cream! Ice Cream! We All Scream for Ice Cream! See article below.



Please send July calendar entries to Shannon Howell.

Empowerment Next week, we will focus on the "empowerment" part of our B.E.S.T. values. Please send us your best examples of how you have empowered yourself on the job. Did you take a class and learn something new? Did you overcome a fear of new technology? Did you push yourself out of your comfort zone? Give tips for how you did it so that you might help encourage other employees. Send to Shannon Howell.

B.E.S.T. VALUES

Social Services has a variety of parenting classes to help you navigate the tricky path of parenthood. In September, "Surviving the Teen Years" kicks off for six sessions, from September 10 through October 15. There is hope and help! Later in September, you can take a six-week class on "Parenting Your Baby." Learn to give positive encouragement and how to deal with tantrums from September 30 through November 4. In October, "Surviving the Young Years" is all about kids ages five through 12. The class is designed to help your kids be more cooperative and responsible. All classes are free but require a \$20 cash deposit for borrowing the course book. Please contact Kim Strader at ext. 4284 for more information.

Stafford County's second annual **Education Fair** will be held on July 22 from 11:00 a.m. – 2:00 p.m. in Conference Room ABC of the George L. Gordon, Jr., Government Center. Please come by and receive information and enrollment materials from several colleges and universities in the region. Information about our tuition reimbursement program and B.E.S.T. University will also be available.



Don't forget that power will be cut to the Courthouse on Saturday, July 19, 2014, at 7:00 a.m. As part of the streetscape project, a new electrical panel is being installed in the building. Public Works requests that any and all electronics in departments located in the Courthouse complex be completely shut down and powered off by the close of business on Friday, July 18.

A collection box is located near the information desk in the main entrance of the Government Center for "Collect for Kids." It was formerly known as "Stuff the Bus." Stafford County Public Schools asks that employees donate supplies for Stafford's needy students. For more details, please contact Kathy Hryckiewicz of Stafford County Public Schools at (540) 658-6708.



Around the Watercooler

Congrats!

A mom of a small boy wrote Keith Dayton to compliment Julie May, Environmental Manager at the Regional Landfill. Mom and son took a tour of the landfill with Julie and described Julie as "absolutely incredible and so knowledgeable." She said Julie helped them have an even better understanding of waste management and finished her letter by writing, "Julie May is quite an asset and we really appreciate her." Way to go, Julie!

Courtney Chmielewski, daughter of Cathy Chmielewski of IT, was picked to be on the Free Lance-Star's All-Area Girls' Soccer Team. Courtney played every minute for the Spotsylvania High Knights at back, midfield or forward, and was voted Top Defender for Conference 27. Courtney graduated this year and will attend Virginia Tech in the fall.

Party! The Activities Committee is hosting an Ice Cream Social on Wednesday, July 30, 2014. Don't miss out on the fun from 2:00 p.m. to 3:00 p.m. in Conference Room ABC. There will be a wide array of ice cream, frozen yogurt and toppings. Employees are encouraged to wear their favorite Hawaiian shirt. Come enjoy a time of fellowship with your fellow employees and a nice cool treat during this hot summer!





View the [Wellness Calendar!](#)

August 1, 2014

****The Beach Fries truck is here in the parking lot today at lunch time!****



Please send Water-cooler entries to [Shannon Howell](#).



Around the Watercooler

Thanks!

Balance and Team-work - A fun event is coming up that will showcase the balance and teamwork in our B.E.S.T. values - a

B.E.S.T. VALUES

September is our employee United Way drive. [Donna Krauss](#) is heading up the campaign and she is looking for "testimonials" about your experience donating to the United Way to share with employees. What agencies do you contribute to and why? Also, get ready for Jeans Day on August 15 - pay \$5, help the United Way and be comfy all day at work. The kickoff for the campaign takes place on September 5 with the "All-Day Café." September 13 is the community yard sale at the Government Center and September 26 is the "[Day of Caring](#)." If you're new, the "Day of Caring" is when Stafford employees sign up to work at different agencies helped by the United Way during one day. The photo below was taken during last year's "Day of Caring."

Great camp experience! A mom wrote to PRCF to thank them for the camp experience she described as "incredible." She said her son has overcome some anxieties during the camp and that he said "it was the best camp ever." She said this wouldn't have been possible without the dedication, preparation and attention of the camp staff. Way to go on a great job!

corn hole tournament! The County Corn Hole Tournament will be



held in the Government Center parking lot on Friday, August 15, 2014, between 1:00 p.m. and 4:00 p.m. The teams will be made up of two people. There will be trophies and "walking tacos." Sign up today by contacting [Jeff Shover](#) or [Crystal Milano](#) by August 14.

Landfill Experience Dennis Kenworthy, a landfill employee at the Belman Road Recycling Center, made quite an impression on a citizen who wrote to express her appreciation of his help when she locked her little dog in her car. Her car was running with the air on but it was very hot outside. Dennis invited her to sit inside with him while she waited on AAA to arrive and even used a surveillance camera to zoom in on her dog who was resting peacefully on the front seat. She wrote that Stafford "is lucky to have a man like him" on our team! Ditto!

Sign up now for spaces at the United Way community yard sale on Saturday, September 13, 2014, from 8:00 a.m. to 1:00 p.m. Spaces are limited and cost \$25 each. The space rental goes to the United Way and you keep the revenue from your sales. For more info, contact [Joanie DeShazo](#) at ext. 4159.



350th History Lecture Series -

The 350th History Lecture Series continues next Tuesday, August 5, at the England Run Library at 7:00 p.m. It is titled "Government Island: Making of the White House and Capitol & Its 300 Year History." Jane Conner will present.



H. REPORT ON FINANCES (TAB 3)

- 1. Financial Summary through July 31, 2014**
- 2. Weight & Material Analysis through July 31, 2014**
- 3. Weight & Material Analysis for FY2014**
- 4. Construction/Demolition Materials Collections**

FINANCIAL STATUS THROUGH

July 31, 2014

EXPENDITURES
as of
July 31, 2014

Division	FY 15 Adopted Budget	FY 15 Adjusted Budget	Personal Costs YTD	Operational Costs YTD	Capital Costs YTD	Total Costs YTD	Current Encumbrances	FY 15 Expenditures	FY 15 Balance	% Budget Expended	Fiscal YTD Expired (%)	FY13 Budgeted Revenues	Monthly Target	Monthly Actuals	FY13 Actual Revenues	% Revenue Collected
R-Board Expenses	\$4,298,681	\$4,298,681	\$108,723	\$34,311	\$0	\$144,034	\$93,522	\$237,556	\$4,061,125	8%	8%	\$4,298,681	\$358,223	\$382,218	\$392,418	11%
TIPPING FEES	\$3,375,000															
RECYCLING	\$280,740															
WWTP SLUDGE/UTILITIES	\$145,000															
MUNICIPAL	\$324,000															
INTRADEPARTMENTAL	\$50,000															
AMERESCO LEASE	\$68,000															
GRANT	\$20,000															
INTEREST	\$35,000															
RESERVE	\$941															

REVENUES
as of
July 31, 2014

	ADOPTED FY14	CASH	A/R	Total for Month	FYTD Expired	FY YEAR TO DATE	REVENUE FORECAST
COMMERCIAL	\$ 3,375,000	\$ 36,359	\$ 298,072	\$ 302,431	8%	\$ 302,431	\$ 3,679,577
RECYCLING	\$ 280,740	\$ 7,021	\$ 7,021	\$ 7,021	8%	\$ 7,221	\$ 87,856
SLUDGE/UTILITIES	\$ 145,000		\$ 15,814	\$ 15,814	8%	\$ 15,814	\$ 192,404
MUNICIPAL	\$ 324,000		\$ 56,000	\$ 56,000	8%	\$ 56,000	\$ 170,000
INTRADEPARTMENTAL	\$ 50,000				8%		\$ -
SALE OF LANDFILL GAS	\$ 68,000		\$ 10,950	\$ 10,950	8%	\$ 10,950	\$ 68,000
GRANTS	\$ 20,000				8%		\$ -
INTEREST	\$ 35,000				8%		\$ -
RESERVE FUND	\$ 941				8%		\$ -
TOTAL	\$ 4,298,681	\$ 43,380	\$ 298,072	\$ 392,218		\$ 392,418	\$ 4,197,836

BUDGET STATUS SUMMARY

	Adopted Budget	Current Est.	Difference
Revenues	\$4,297,740	\$4,197,836	-\$99,904
Expenditures	\$4,298,681	\$4,298,681	\$0
Use of Fund Balance	\$941	\$100,845	(\$99,904)

Unrestricted Fund Balance \$13,071

Through July 31, 2014

Rappahannock Regional Solid Waste Management Board
Weight and Material Analysis Report FY2015

CATEGORY	Jul-15 Weight	Jul-14 Weight	FY2015 Y-T-D Weight	FY2014 Y-T-D Weight	Difference %
Billable					
Commercial Waste	2582	2638	2582	2638	-2%
Residential Waste	2384	2986	2384	2986	-20%
Fredericksburg*	874	0	874	0	
Mixed Load-\$71/T	0	0	0	0	
Debris Waste	2395	2258	2395	2258	6%
**Dirt	2535	522	2535	522	386%
Tires/(White Goods)	32	19	32	19	70%
Compost Sludge	930	1046	930	1046	-11%
SEW Sludge	0	0	0	0	
BILLABLE TONNAGE	11734	9469	11734	9469	24%
Non-Billable					
Eskimo Hill Road Location	1284	1502	1284	1502	-15%
Fredericksburg	0	705	0	705	-100%
Belman Road Location	259	251	259	251	3%
**Tires Residential	8	67	8	67	-89%
Cleanups	5	3	5	3	57%
NON-BILLABLE TONNAGE	1555	2528	1555	2528	-38%
Recycling	582	548	582	548	6%
TOTAL TONNAGE	13871	12545	13871	12545	11%
% Non-Billable versus Billable	11%				

Fiscal Year 2014 Totals

Rappahannock Regional Solid Waste Management Board Weight and Material Analysis Report FY2014

CATEGORY	May-14 Weight	Jun-14 Weight	Jun-13 Weight	FY2014 Y-T-D Weight	FY2013 Y-T-D Weight	Difference %
Billable						
Commercial Waste	2869	2582	2,922	28,771	23,925	20%
Residential Waste	2412	2209	2,492	35,563	36,923	-4%
Mixed Load-\$71/T	0	0	0	11	21	-47%
Debris Waste	2056	1951	1,417	23,509	18,581	27%
Dirt	141	638	27	2,637	1,695	56%
Tires/(White Goods)	8	10	18.5	132	358	-63%
Compost Sludge	723	940	750	8,723	8,830	-1%
SEW Sludge	36	0	0	36	195	-82%
BILLABLE TONNAGE	8245	8329	7,627	99,382	90,528	10%
Non-Billable						
Eskimo Hill Location	1692	1326	1301	16,029	12,152	32%
Fredericksburg	972	1120	565	8,984	8,059	11%
Belman Road Location	314	256	331	3,009	3,594	-16%
Tires residential	6	4	242	406	1,114	-64%
Cleanups	17	19	14	141	95	48%
NON-BILLABLE TONNAGE	3,001	2,725	2,453	28,569	25,014	14%
Recycling	657	817	535	7,795	6,990	12%
TOTAL TONNAGE	11,903		10,615	135,747	122,532	11%
% Non-Billable versus Billable	21%					



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
Deputy County Administrator
DATE: August 14, 2014
SUBJECT: **Construction & Demolition Materials Update**

The R-Board eliminated the cap on billed weight for C & D materials effective July 1, 2014. Staff has been monitoring receipt of this material to assess the effect on material collections and revenue.

The data for July 2014 versus July 2013 is listed below.

	<u>Tons</u>	<u>Revenue</u>
July 2013	2,258	\$90,880.05
July 2014	2,395	\$98,602.53

We observed a 6.0% increase in material collections, with an 8.5% increase in revenue for the first month's comparison. While we will continue to monitor this data closely, early indications are elimination of the billing cap has not deterred receipt of C & D materials at the landfill.

KCD:kd

I. UNFINISHED BUSINESS (TAB 4)

1. Financial Discussion



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
Deputy County Administrator
DATE: August 14, 2014
SUBJECT: **R-Board Financial Status**

As reported previously, the audit completed after the close of Fiscal Year 2013 indicated the R-Board had \$13,071 in unrestricted fund balance remaining. The adopted FY2014 R-Board budget included the use of an additional \$840,857, which may result in further depletion of reserves.

The adopted FY2015 also presents financial challenges which need to be addressed. The adopted revenue budget included \$228,000 in additional support split equally between the participating localities. While the City approved the additional \$114,000 in funding, the County did not. Assuming the City will provide the portion authorized, it is possible that use of the restricted fund balance will be necessary again this year to fund operational requirements. Staff is hopeful that the new recycling materials contract will generate additional revenue to offset at least a portion of this deficit; however, the contract wasn't effective until August 1st, and we haven't sufficient data to accurately forecast the revenue from this source.

The FY2015 revenue budget includes an additional \$175,000 in revenue from tipping fee changes effective July 1st. This includes \$150,000 for elimination of the cap for C&D waste, and another \$25,000 resulting from raising the over 1,500 ton per month rate from \$25 to \$30 per ton. While staff is monitoring the revenue performance of these changes closely, there has not been sufficient time to draw any conclusions whether the increases will generate budgeted amounts.

The Infrastructure Committee for the Board of Supervisors discussed this matter at the July 1, 2014 committee meeting. Staff was asked to examine modifications to tipping fees to generate additional revenue. We were specifically requested to identify the changes necessary to generate approximately \$320,000 in additional revenue. Although it is possible to provide unlimited examples, staff felt it would be helpful to illustrate the tipping fee changes required to finance the approximately \$700,000 in debt service over a 7 year term for Cell F2 as well. To complete this analysis, certain assumptions are necessary. These include:

- FY2015 landfill quantities (weights) will be consistent with FY2014 quantities for the various tipping fee rates
- Maintain the same tiered rate structure, modifying only the rate at various tiers
- We will experience no diversion of waste delivered by our customers as a result of higher tipping fees
- The present policy of providing residential drop off service at no charge remains in place.

The results are provided in the tables below.

An example of tipping fee changes necessary to generate an additional \$320,000 is as follows:

Category	Current Rates	New Rates	% Increase	New Revenue
MSW				
< 1,000 tpm	\$41	\$45	10%	\$46,727
1,000>tpm<1,500	\$36	\$40	11%	\$46,726
>1,500	\$34	\$38	12%	\$109,332
>1,500*	\$30	\$30	0%	\$ -
C&D				
All Quantities	\$41	\$46	12%	\$125,357
			TOTAL	\$328,142

* second >1,500 rate is only for that quantity above 1,500 tons per month

An example of tipping fee changes necessary to generate an additional \$700,000 is as follows:

Category	Current Rates	New Rates	% Increase	New Revenue
MSW				
< 1,000 tpm	\$41	\$51	24%	\$118,046
1,000>tpm<1,500	\$36	\$45	25%	\$108,218
>1,500	\$34	\$42	24%	\$218,785
>1,500*	\$30	\$31	3%	\$12,379
C&D				
All Quantities	\$41	\$51	24%	\$242,902
			TOTAL	\$700,330

* second >1,500 rate is only for that quantity above 1,500 tons per month

The assumption that a 10% - or 25% - increase in tipping fees will not result in quantities of waste being diverted to competing facilities is very speculative. Actual quantities received could end up being significantly less than those this analysis used, and could decrease over time as our customers develop other options which are more competitive.

Staff has presented analyses of the financial status to the Stafford County Board of Supervisors that some R-Board members may not have seen. These are included with this update as well.

KCD:kd

Attachments: (as noted)

Board of Supervisors

Jack R. Cavalier, Chairman
 Gary F. Snellings, Vice
 Chairman
 Meg Bohmke
 Paul V. Milde, III
 Laura A. Sellers
 Cord A. Sterling
 Robert "Bob" Thomas, Jr.

Anthony J. Romanello, ICMA-CM
 County Administrator

STAFFORD COUNTY ADMINISTRATION MEMORANDUM

To: Board of Supervisors
 From: Keith C. Dayton
 Deputy County Administrator
 Subject: Rappahannock Regional Landfill
 Date: June 12, 2014

Staff was requested by the Rappahannock Regional Landfill Management Board (R-Board) to provide the Board of Supervisors with information related to the operation and financial status of the regional landfill. This facility, which provides landfill services for the residents and businesses of Fredericksburg and Stafford, has undergone considerable changes in the past 25 years, and is currently facing financial challenges that require immediate action.

The R-Board information provided herein is somewhat extensive and has been summarized in the Executive Summary below.

EXECUTIVE SUMMARY

Issues	<ul style="list-style-type: none"> • A variety of policy decisions, market pressures, and operational considerations over the past twelve years have left R-Board in a financially unsustainable position. • The landfill must initiate an expansion estimated to cost about \$4 million early next year, with slightly over \$13,000 in unrestricted assets to fund the work.
R-Board Background	<ul style="list-style-type: none"> • The landfill is operated under a joint agreement between the City of Fredericksburg and Stafford County. • Funding is provided primarily from user fees, with the private services collecting solid waste in the County being the largest single source of revenue • Approximately 25% of the waste material received by the landfill is unbilled. The majority of this material comes from the free residential drop off at the two convenience centers



Financial Status	<ul style="list-style-type: none"> • The City and County subsidized R-Board operations beginning in 1989 until 2002 • R-Board has assumed responsibility for litter control and operation of the City convenience center on Belman Road, costing approximately \$0.5 million each year • Revenue and reserve fund are currently inadequate to support operational and capital expenses.
Expense Reductions/Revenue Enhancement Measures	<ul style="list-style-type: none"> • Expense Reductions of 11.2% in past four years <ul style="list-style-type: none"> • Reduced staffing levels by 15% • Cut operating hours on weekends, and scaled back unproductive recycle collection locations • Reduced discretionary spending, and improved operational efficiency • Revenue Enhancement Measures <ul style="list-style-type: none"> • Adjusted tipping fee schedule to stabilize commercial customer revenues • Implemented select commercial fee increases to raise revenue without losing commercial customer volumes
Market Factors	<ul style="list-style-type: none"> • Competition from recently opened landfills • Recession, higher recycling rates, and better waste management strategies also contribute to declining waste streams
Options	<ul style="list-style-type: none"> • Expense Reductions <ul style="list-style-type: none"> • Further staffing and operations cuts • Service reductions (litter control & convenience center cuts) • Revenue Enhancements <ul style="list-style-type: none"> • Charging all residents for landfill services • Increase tipping fees • Reinstate local government subsidy

Background

The Rappahannock Regional Landfill is operated under a joint agreement between Stafford County (County) and the City of Fredericksburg (City). Although jointly owned, the agreement designates Stafford as the entity responsible for management of the landfill; consequently, the County provides all operational and administrative support. The R-Board serves as management oversight, establishing policies for landfill operation, and consists of two Board members, two City Council members, the County Administrator and the City Manager.

The initial agreement between the municipalities was for a period of 25 years, but was extended to 2024 in 2000. Unless amended further, the City would not participate in the regional landfill after that date. The land at the Eskimo Hill landfill site is jointly owned by the City and County, and encompasses approximately 800 acres, as shown on the attached map, includes about 150 acres designated for previously filled landfill cells, current operations, and future permitted landfill cells, along with 41 acres reserved for the Stafford Civil War Park. The R-Board also operates a convenience center located on Belman Road within the City limits, and several recyclable material collection centers at various locations

in Stafford and Fredericksburg. The R-Board also provides litter control services in both localities, although the primary service area is in Stafford County.

Landfills operate by the excavation of lined depressions, or cells, which are filled with solid waste in a prescribed manner to ensure optimum efficiency and compliance with permit requirements. Cell liners are typically an impermeable membrane of thick high density polyethylene which prevents the intrusion of groundwater, or the escape of waste contaminated water (leachate) into the groundwater table. The cells planned for the Eskimo Hill landfill range from seven to eleven acres, and are expected to last between three and nine years. The landfill is currently filling Cell F-1, and there are six additional cells permitted that are estimated to provide sufficient capacity for our solid waste requirements until 2067.

Landfill operations are regulated by the Department of Environmental Quality (DEQ) through the issuance of solid waste, air quality, and stormwater management permits. Landfill staff, with the assistance of our professional consultants, are required to monitor and report to DEQ on a broad range of operational data to ensure compliance with these permits. The cost of permit compliance increases over time with more stringent regulations, and the added area of the landfill subject to regulation.

Funding for the \$4.3 million FY2015 budget comes primarily from user fees associated with landfill activities, along with additional funds generated by recycling initiatives, and grant awards for our litter control efforts. The majority of our user (tipping) fees are provided by the two commercial solid waste companies, County Waste and Waste Management, Inc., operating in Stafford County. The City's Department of Public Works provides waste services for those residents of the City wishing to subscribe.

Approximately 75% of the waste delivered to the landfill is charged a tipping fee. Municipal waste delivered by residents of the City and County to either the Eskimo Hill Road or Belman Road convenience centers is accepted without charge, as is municipal waste delivered to the landfill by the City's Department of Public Works. This unbilled waste represents approximately 25% of the waste materials accepted by the landfill.

The landfill operation prides itself on environmentally friendly operation, having achieved Exemplary Environmental Enterprise (E3) status from DEQ, along with only two other landfills in Virginia. We recently received a certified recycling rate of 49.2% from DEQ.

Operational Considerations

R-Board staffing levels are authorized at 34 employees, but have operated for the last two years with 29 employees.

The Eskimo Hill landfill accepts a variety of municipal waste, recyclable materials, construction debris, lawn and tree waste, scrap tires, and other materials. Collections for FY 2012 & 2013 are noted in the table below.

CATEGORY	FY2013 Weight (in Tons)	FY2012 Weight (in Tons)	% Difference
BILLABLE			
Commercial Waste	23,925	20,279	18%
Residential Waste	36,923	37,419	-1%
Mixed Load-\$71/T	21	2	742%
Debris Waste	18,581	18,839	-1%
Dirt	1,695	1,260	35%
Tires/White Goods	358	552	-35%
Compost Sludge	8,830	9,640	-8%
SEW Sludge	195	65	198%
BILLABLE TONNAGE	90,528	88,057	3%
NON-BILLABLE			
Eskimo Hill Convenience Center	12,152	10,727	13%
Fredericksburg City Public Works	8,059	8,242	-2%
Belman Road Convenience Center	3,594	3,513	2%
Tires-Residential	1,227	1,352	-9%
Recycling	6,990	7,762	-10%
Cleanups	95	204	-53%
NON-BILLABLE TONNAGE	32117	31,800	1%
TOTAL TONNAGE	122,645	119,856	2%
% Non-Billable	26%	27%	

Of the non-billable volumes, the greatest quantities are received from residential drop-off at the Eskimo Hill and Belman Road convenience centers, along with the City collections by their Public Works Department. Recycling quantities, while not billable in the sense of tipping fees, are a significant source of revenue for the R-Board.

The convenience centers are heavily used by residents of the City and County. To determine the distribution of this activity, staff recently completed a week long survey of residential convenience center use. The survey tallied trip generation, rather than weight, as there is no convenient way to run this amount of traffic across the scales. The results are provided in the table below.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	TOTALS	% Distribution
BELMAN ROAD									31%
Fredericksburg	204	156	164	164	180	238	180	1286	56%
Stafford	<u>149</u>	<u>123</u>	<u>103</u>	<u>127</u>	<u>160</u>	<u>166</u>	<u>165</u>	993	44%
Subtotal	353	279	267	291	340	404	345	2279	
ESKIMO HILL ROAD									69%
Fredericksburg	30	27	13	39	46	28	18	201	4%
Stafford	<u>714</u>	<u>480</u>	<u>532</u>	<u>515</u>	<u>644</u>	<u>1009</u>	<u>1027</u>	4921	96%
Subtotal	744	507	545	554	690	1037	1045	5122	
TOTALS	1097	786	812	845	1030	1441	1390	7401	
Stafford Totals	5,914		Stafford Percentage			80%			
Fredericksburg Totals	1,487		Fredericksburg Percentage			20%			

Applying the distribution of residents noted in the survey above, to the quantities of unbillable waste brought to our convenience centers, residents of Stafford are responsible for 53% of the non-billable quantities, while the City contributes 47%.

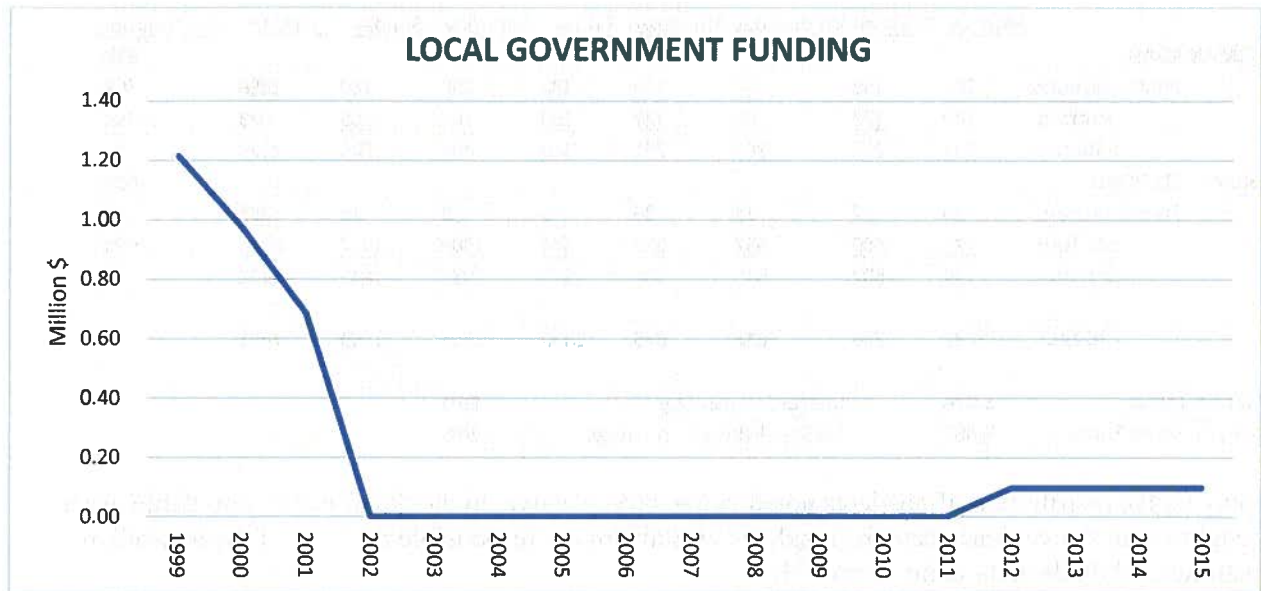
As noted above, the landfill is currently filling Cell F-1, which was opened for operation in July of 2013. We expect capacity in this cell to be exhausted by December of 2015. Staff has made a number of operational changes designed to optimize the life of the current cell; however, our recent aerial survey, along with ongoing monitoring of waste intake, have confirmed the December 2015 date.

In anticipation of exhausting current capacity by the end of 2015, staff has initiated design efforts for Cell F-2, and is planning to complete the design and solicit bids for Cell F-2 early in 2015. Construction cost for Cell F-2 is estimated at \$4 million, with an expected service life of seven years.

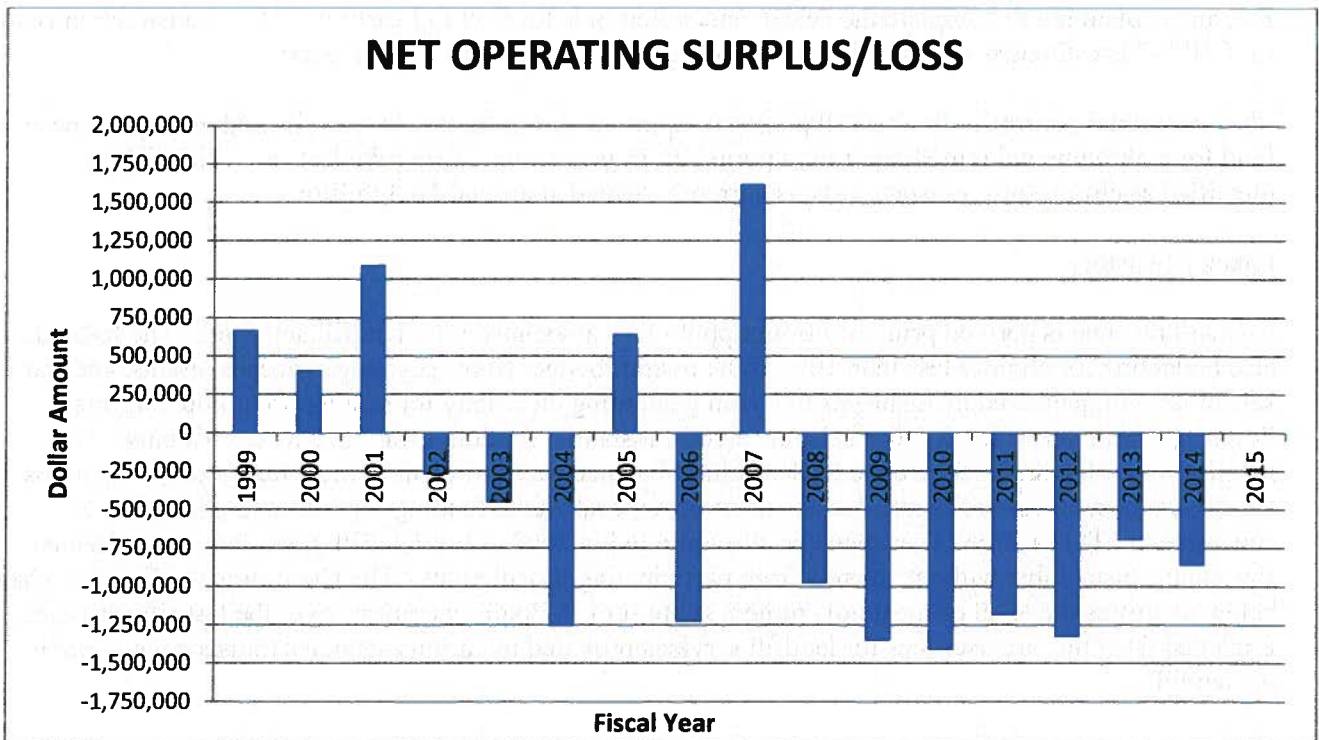
The operational permit for the landfill places a requirement to monitor closed cells and maintain a reserve fund for environmental remediation for a period of 25 years after closing the last cell. This liability, identified as closure/post closure costs, is currently valued at around \$6.3 million.

Financial History

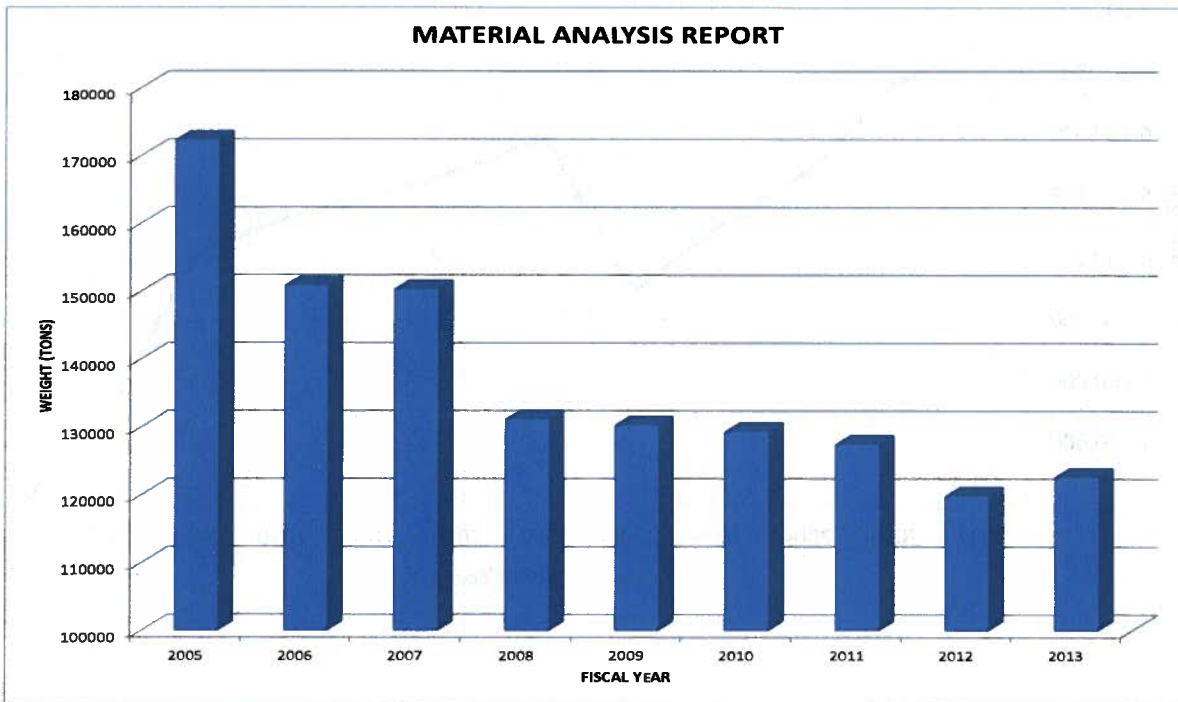
R-Board revenue is derived primarily from tipping fees associated with landfill activities. The R-Board is also budgeting for slightly less than 10% of the overall budget from recycling proceeds, grants, and the sale of landfill generated methane gas to a firm generating electricity for sale to Dominion Virginia Power. In prior years, the R-Board also received substantial funding from the City and County. This practice was followed to ensure the R-Board fund balance was sufficient to meet regulatory obligations for closure/post closure of landfill cells, and to provide adequate funding for continuing landfill cell construction. This source of revenue was discontinued in 2002, when landfill operations were deemed financially sustainable without subsidy from participating jurisdictions. The Governmental Funding chart below identifies the level of local government support of R-Board operations over the last fifteen years. Excluded from this are user fees for landfill services provided to various agencies transporting waste to the landfill.



Funding initially was provided by the participating localities at a rate equivalent to the use of free disposal service by their residents at a rate equal to the prevailing tipping fee. This practice was discontinued in 2002, and is reflected by the graph above. Since 2012, the combined funding of just under \$100,000 annually has been provided as payment for landfill services for disposing of debris from government facilities.



The large swings in operating results between 2002 and 2007 can be attributed in large part to the timing of new landfill cell construction. Since 2008, financial performance is reflective of the impacts from the loss of governmental funding support, the severe recession, and evolving market conditions. There was a precipitous drop in waste volumes received by the landfill after 2007, with annual totals dropping slightly each year, with the exception of a slight rise in quantities in 2013.

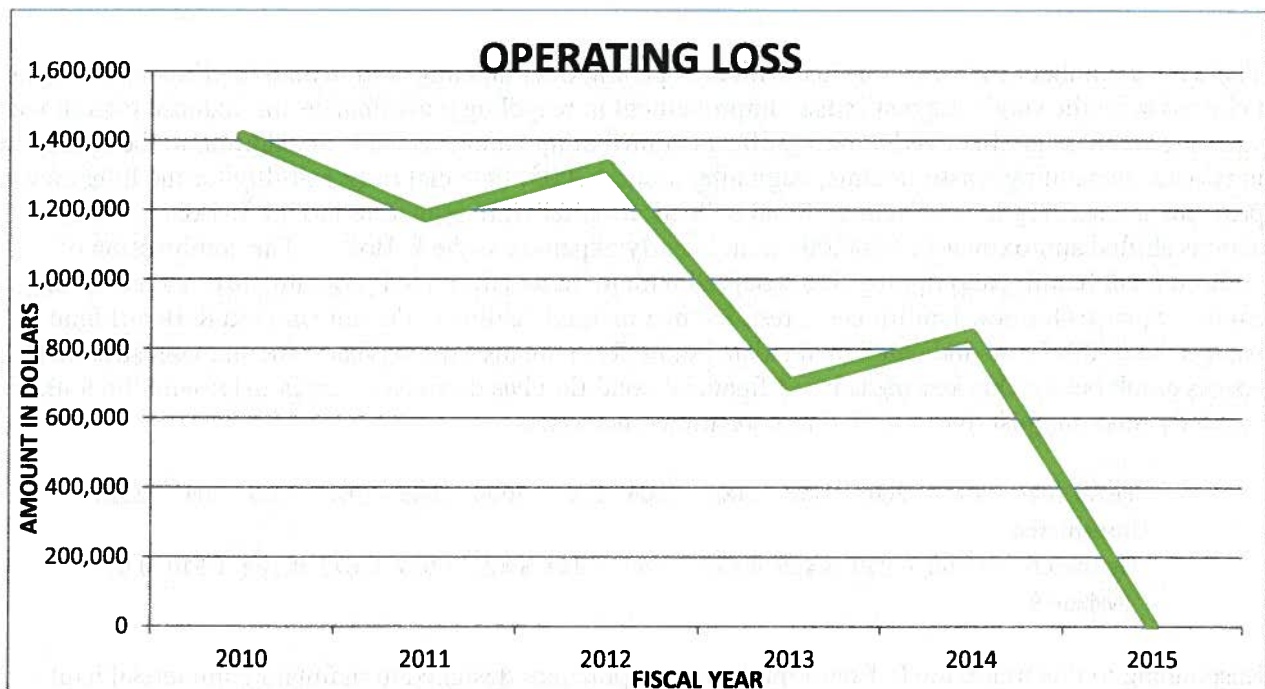
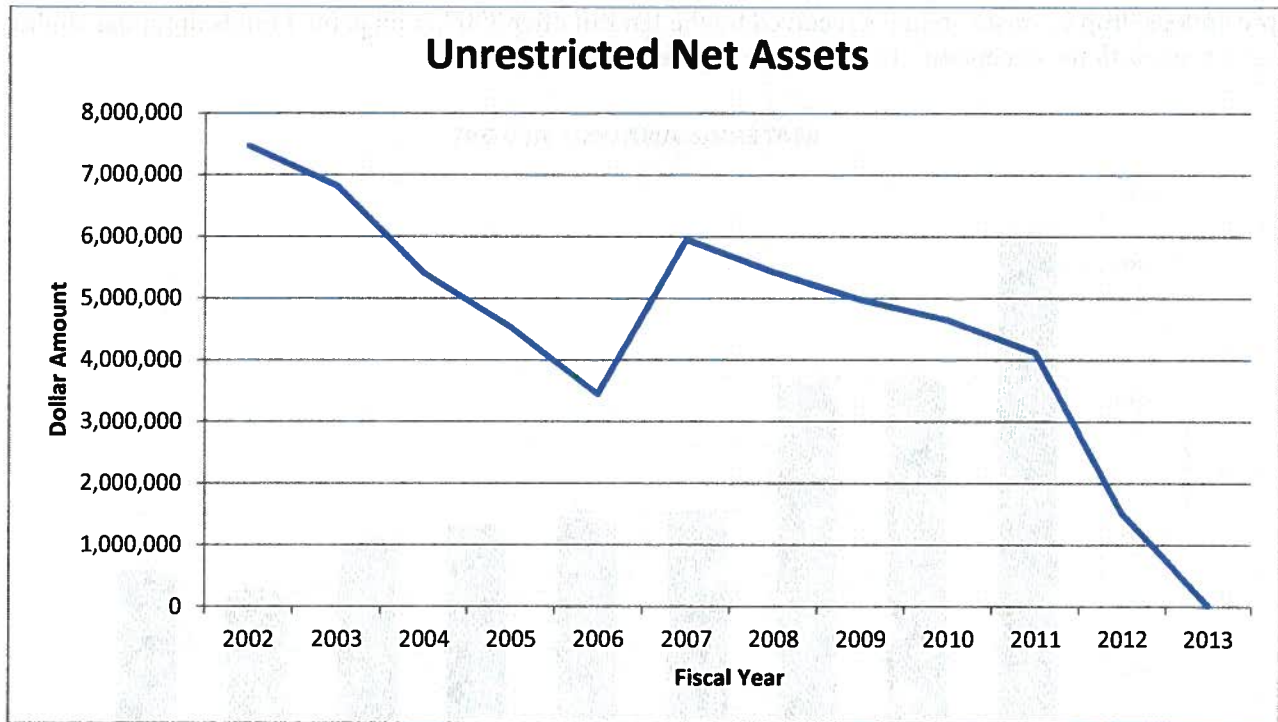


There are a number of reasons for this, with the opening of competing commercial landfills in the region believed to be the single biggest cause. Improvement in recycling performance and reduced overall waste stream generation are believed to be significant contributing factors as well. In addition to the reduction in revenue generating waste streams, beginning around 2005, financial responsibility for the litter control program and staffing for the Belman Road collection center were transferred to the R-Board. These actions shifted approximately \$500,000 in net yearly expenses to the R-Board. The combination of reduced local funding and tipping fees, coupled with increased unfunded program costs and continuing capital expenses for new landfill cells, resulted in a marked decline in the unrestricted R-Board fund balance since 2002. As indicated by the data below from the last twelve years, and the Unrestricted Net Assets graph below, this key measure of financial condition has dropped precipitously; with the R-Board currently retaining just over \$13,000 in unrestricted net assets.

Fiscal Year	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Unrestricted Net Assets (Million \$)	7.468	6.819	5.405	4.528	3.440	5.949	5.425	4.977	4.642	4.122	1.510	0.013

Responding to this trend, the R-Board implemented practices designed to maintain commercial hauler volumes and cut operating costs. We initiated a scaled tipping fee structure to offer a competitive rate to our largest customers. Currently our tipping fee reduces from \$41 per ton to \$34 as monthly quantities

reach 1,500 tons per month. The landfill also cut hours on Sunday to reduce non-revenue generating operational periods, and has cut operational costs wherever possible.



As shown above, the impact of these actions have reduced the operating loss markedly; however, we are not in a position to replace depleted reserves, or fund new landfill cells required for continuing operation.

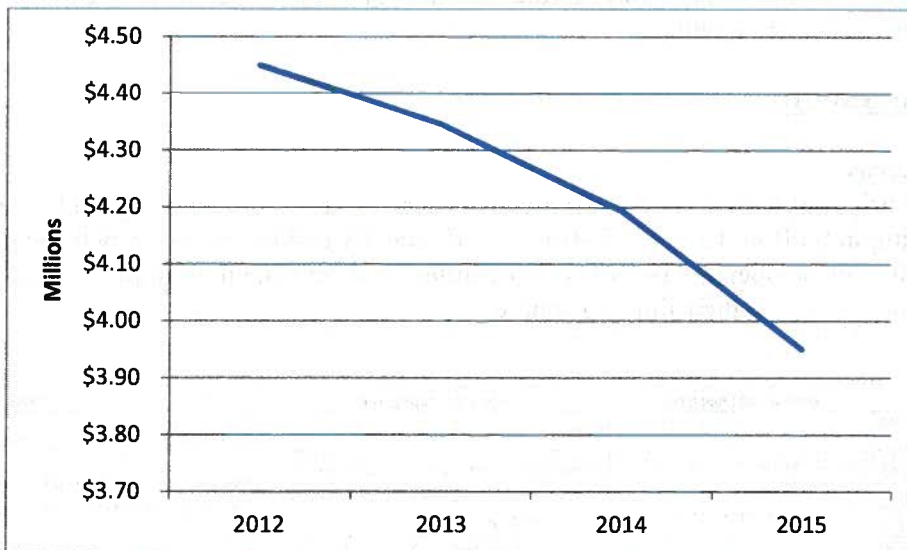
Current Financial Status

Although actions taken by the R-Board have slowed the continuing operational losses of recent years, the current revenue strategy is inadequate to fund capital requirements, particularly the cost of new landfill cell construction. As noted previously, Cell F-2, with an estimated \$4 million cost, must be operational by December 2015 to avoid a halt in landfill operations, requiring initiation of construction in early 2015. In addition, immediate action should be taken to replenish the depleted reserve fund.

Staff has previously calculated that additional revenue of \$650,000 per year is required to fund new landfill space, and about \$225,000 more to fund operational deficits. The R-Board budgeted \$228,000 in additional revenues from the two participating localities; however, while the City budgeted their portion, the County did not, leaving a deficit of about \$900,000 in FY2015. Staff has also provided a number of options to address this shortfall. These options are summarized below.

Expense Reductions

The R-Board has reduced staffing levels by 15% through attrition in the last few years, and severely reduced discretionary spending wherever possible. As shown below, this effort has resulted in an 11.2% reduction in the adopted personnel and operational expenditure budget over the last four fiscal years. This excludes capital spending, which varies significantly depending on the timing of new cell construction.



Staff does not believe further operational expenditure reductions are advisable, particularly those related to landfill management as this would directly impact the operation and maintenance of an equipment intensive activity and jeopardize our regulatory compliance record.

Service Reductions

Staff has investigated the possibility of eliminating the unfunded costs of providing litter control service to the City and County. This would save approximately \$300,000 in personnel and operational costs, which currently have only \$25,000 from a state grant for offsetting revenue. Unless this service was returned to the localities, efforts that have resulted in collecting approximately 450 tons of litter each year, as well as the illegal sign removal program would be eliminated.

Elimination of the Belman Road convenience location, or its return to City management, would result in approximately \$225,000 in savings. The traffic associated with the use of the Belman facility would be shifted to Eskimo Hill, with some degree of traffic impacts, and would inconvenience City and County residents in approximately equal numbers.

Elimination of these two services would result in expenditure savings of approximately \$500,000, well short of the minimum annual funding necessary for sustainable operation.

Staff also investigated the savings potential of extending Saturday residential collection hours to 8:00 AM to 5:00 PM, while eliminating Sunday hours. We calculated a savings of approximately \$62,000 per year, resulting from a decrease of 6 hours of equipment running time. Personnel savings would be minimal, with overtime costs from the extended Saturday hours offsetting reductions from the Sunday closure.

Staff is concerned about concentrating our weekend residential traffic into a single day. During the recent survey, the Eskimo Hill location received over 1,000 visits on both Saturday and Sunday. Doubling the number of visitors on a single day would create logistical problems with the traffic and waste handling capability at our convenience centers.

Revenue Enhancements

Tipping Fee Increases

As noted previously, our largest source of revenue is derived from tipping fees paid by commercial trash services operating in Stafford County. R-Board staff recently conducted a survey of other regional landfills, including those operated by our peer localities, to determine their tipping fees as well as obtain other information relative to their funding sources.

Tipping Fee Survey			
Facility Name	Commercial Tipping Fees	Residential Tipping Fees	Notes
Loudoun County Sanitary Landfill	\$62/ton	\$62/ton minimum fee \$6 per vehicle	All residents are charged for solid waste services
Prince William County Sanitary Landfill	General Fund supported - no direct charge for residents \$45/ton for out of county solid waste	General Fund supported through property tax rate for County residents; Incorporated town/city residents pay minimum \$5 per visit;	Solid waste service paid directly by residents through property tax bill; consequently, commercial haulers are not charged tipping fees
Fauquier County Solid Waste Mgt. Facility	\$55/ton;	General fund supported at \$50 per ton. Also charged for special waste categories (appliances, electronics, etc.).	
Hanover County	\$50/ton;	No charge for household waste, but residents are charged	Hanover County is a member of the Central VA Waste Management Authority.
Spotsylvania County Livingston Sanitary Landfill	Tipping Fees MSW \$29/ton. Reduces to \$24 and \$19 per ton, depending on monthly quantities.	General Fund supported at \$2.69 million	
Albemarle County	\$66 / ton	\$7 per vehicle (resident rate); also charge for special waste (appliances, etc.)	Albemarle County is a member of the Rivanna Solid Waste Authority.

All comparison localities have instituted either a “pay as you throw” revenue system for residents, and/or are subsidized by the locality.

It is evident from the information above that our tipping fees are very competitive with our comparison localities, with the exception of Spotsylvania County, which provides their landfill with a general fund subsidy amounting to \$2.69 million. We have also determined that our fees are competitive with area commercial landfills as well.

The R-Board enacted selected increases to tipping fees which will result in minimal loss of tonnage from commercial customers. Staff believes other possible increases to our base tipping fees will result in significant diversion of commercial collections to other area landfills.

It has been suggested that municipal waste could be diverted to other area landfills as a means to ease the current financial concerns. Staff is aware that residential waste collected by commercial waste haulers could be diverted to other landfills by adjusting our tipping fees. This would extend the life of the landfill considerably, and defer construction of Cell F-2. However, it would also divert a large percentage of our paying customers, while continuing the practice of free disposal by residents. The R-Board would have the operational and regulatory expenses largely unchanged, while substantially reducing revenues from operations.

Diversion of all waste to other facilities is possible, but has not been investigated. This action would, in effect, result in closing the landfill, thereby leaving residents to find other means of solid waste disposal. It is expected that the exploration of the ramifications of this option would entail considerable study.

Reinstating Locality Subsidy

As noted above, R-Board operations were subsidized by the localities for years. The subsidy was based on the provisions of the 2000 amended Operational Agreement which specified that when a fiscal year ends with an operating deficit, “Each party’s contribution shall be based upon its respective actual usage of the Landfill over the preceding 12-month period.”

The operating loss for FY2013 was calculated by our auditors at \$697,909. Applying the usage ratios adopted in the original agreement of 68% Stafford and 32% Fredericksburg, this deficit would be split as follows:

Stafford	\$474,578
Fredericksburg	<u>\$223,331</u>
TOTAL	\$697,909

An alternative method would base the subsidy on the proportional use of the residential drop-off areas, and uses the current tipping fee in effect at the time. This method underwrites the practice of free residential drop-off and uses our current tipping fee of \$41/ton. Including the quantities delivered by the City’s Department of Public Works with the quantities delivered by residents, the contribution for FY2015 for each locality would be as follows:

Stafford	\$516,477
Fredericksburg	<u>\$391,099</u>
TOTAL	\$907,576

Charging for the City's Public Works Collections

Staff has determined that a tipping fee charge of \$20 per ton for waste received from the City's Department of Public Works would generate approximately \$165,000 in additional revenue in FY2015. This is about a 50% discount from our normal commercial rate, and 33% below the \$30 per ton minimum rate going into effect on July 1. The City has agreed to this tipping fee and budgeted the funds in their adopted FY2015 budget.

Implementing Charges for Residential Drop-off

Staff also investigated equitable charges for residential drop off customers. We contacted commercial haulers serving the Fredericksburg area and determined the average monthly charges for residential service is \$30. This equates to a weekly charge of approximately \$7. We were also informed that tipping fees at our landfill account for 2/3 of that charge, with the rest being operational costs and profit. Assuming our residential drop off customers visit the landfill once a week (comparable to weekly commercial residential service), a per-visit charge of \$4 is roughly equivalent to a household using a commercial hauler. The per-trip charge is relatively common in Virginia, and used by two of our comparison localities.

Applying the \$4 per trip charge to the recent customer use survey conducted at our convenience centers, staff estimates weekly revenue from this source of \$29,600, with an annual revenue potential of slightly more than \$1.5 million. Reducing the per-trip charge to \$3 will reduce potential revenue to approximately \$1.15 million, which will still generate sufficient revenue for sustainable operations.

We note certain advantages and disadvantages in implementing charges for residential drop-off as follows.

Advantages

- Provides sufficient revenue to fund operational costs and replenish the reserve fund to allow for construction of Cell F2.
- Equitable charge system when compared to residents contracting with commercial services.
- Discourages businesses from using the convenience locations to avoid waste disposal charges.
- Potential reduction in vehicle traffic at the convenience centers.
- Implementing a system of universal payment for use of landfill services has proven to be effective in other communities at reducing quantities of waste delivered to the landfill.

Disadvantages

- Resistance from customers used to the free service.
- Potential increase in illegal dumping.
- Additional staff demands to process payments, monitor activity, and collect charges at the convenience centers.

Staff believes that by the incorporation of one or more of the options presented above, the landfill can be operated in a financial sustainable manner. The need to proceed very soon with construction of Cell F-2 makes it imperative that a course of action be decided upon quickly.

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Attachment

Rappahannock Regional Landfill Update

June 17, 2014

1

Background

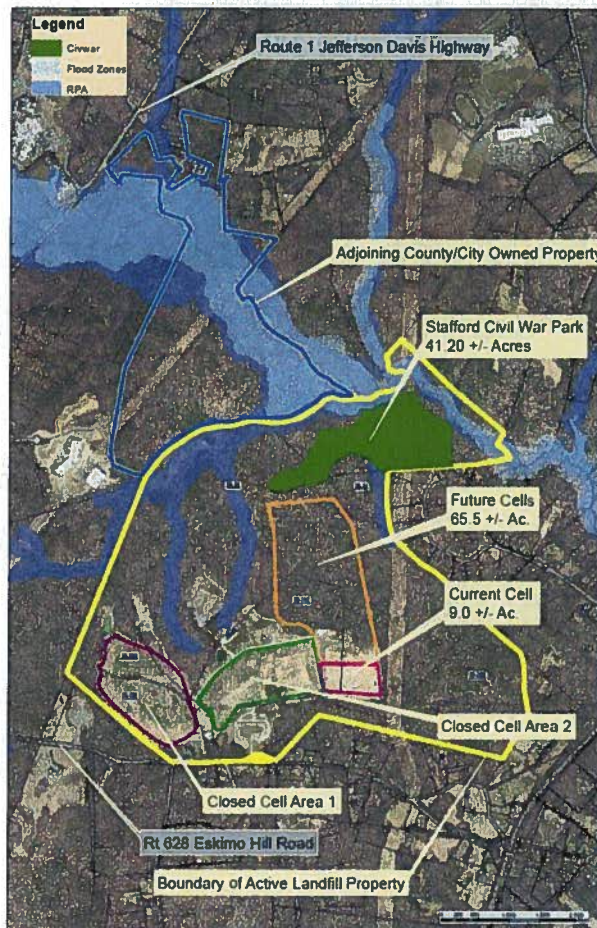
- The R-Board requested a briefing for the Board of Supervisors on financial matters related to operation of the landfill
- Policy decisions, market forces, and operational changes in the past 12 years have impacted the financial status of the R-Board
- The next landfill cell must be operational by December 2015 to allow landfill operations to continue

2

R-Board Background

- Formed by agreement in 1989
- Includes Stafford County and the City of Fredericksburg; property is jointly owned
- Initially agreement for 25 years, but extended in 2001 to 2024
- Site is ~800 acres, with ~150 acres being used for past, current and future landfill operations
- Current Cell life 2.5 to 3 years; permitted area expected to last until 2067

3



R-Board Background

- Landfill operations are subject to a variety of permits issued by VADEQ
- These permits regulate all facets of our operation
- Funding initially provided through tipping fees received from private companies using landfill services, plus a subsidy from the City and County
- Subsidy levels from localities fluctuated based landfill usage from each jurisdiction
- Funding sources have broadened to include recycling, Utility revenue, compost, sale of methane gas, etc.
- Local government subsidy discontinued in 2002

5

Operations

- Currently authorized for 34 employees, but staffed with 29
- Landfill site is on Eskimo Hill Road, receives solid waste from City and County
- In addition to the Eskimo Hill location, the R-Board operates the Belman Road convenience center, 5 remote recycle drop off locations, and the litter crew
- E3 Status (Exemplary Environmental Enterprise)

6

FY13 Operating Statistics

CATEGORY	FY2013 Weight (in Tons)	FY2012 Weight (in Tons)	% Difference
BILLABLE			
Commercial Waste	23,925	20,279	18%
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Residential Non-Billable Data

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Stafford Totals	5,914		Stafford Percentage			80%			
Fredericksburg Totals	1,487		Fredericksburg Percentage			20%			

Financial Facts

- R-Board adopted \$4.3 million budget; \$3.95 million operating budget for FY2015
- Funded mainly by user fees from waste haulers operating in Stafford County
- Other major sources of revenue from a wide variety of commercial clients, and our recycle revenue
- Smaller amounts from methane gas sales, direct services to participating jurisdictions, grants, compost sales, etc.
- Adopted budget included \$228,000 local subsidy

9

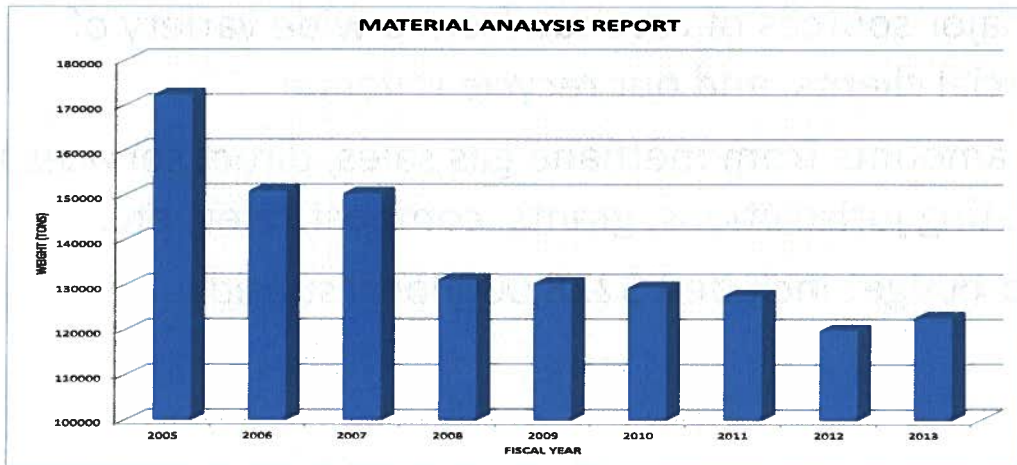
Influencing Factors

- The R-Board has experienced numerous changes since operation began 25 years ago that affect financial performance, including:
 - Market conditions
 - Regulatory compliance cost
 - Services transfer (litter control & Belman Road operation)
 - Changes in local governmental funding support
- This has led to a continuing decline of the fund balance

10

Market Forces

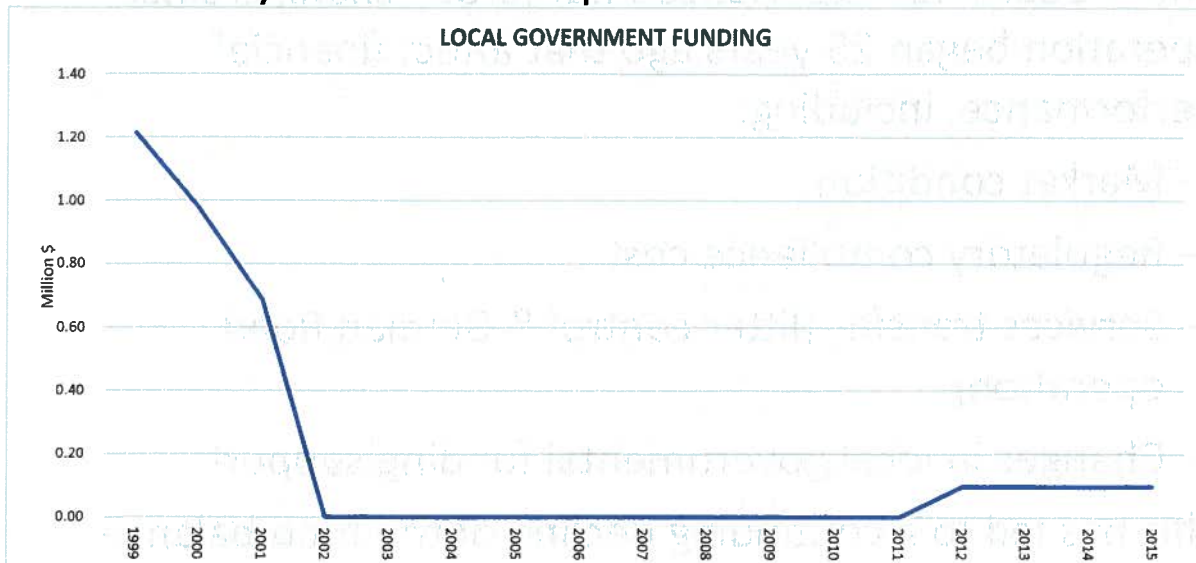
- 31% decline in total tonnage since 2005
 - Competition from area landfills
 - Recession
 - Changes in behavior
 - Changes in waste handling procedures by local refuse haulers



11

Local Funding History

- Local subsidy initiated at inception and continued until 2002

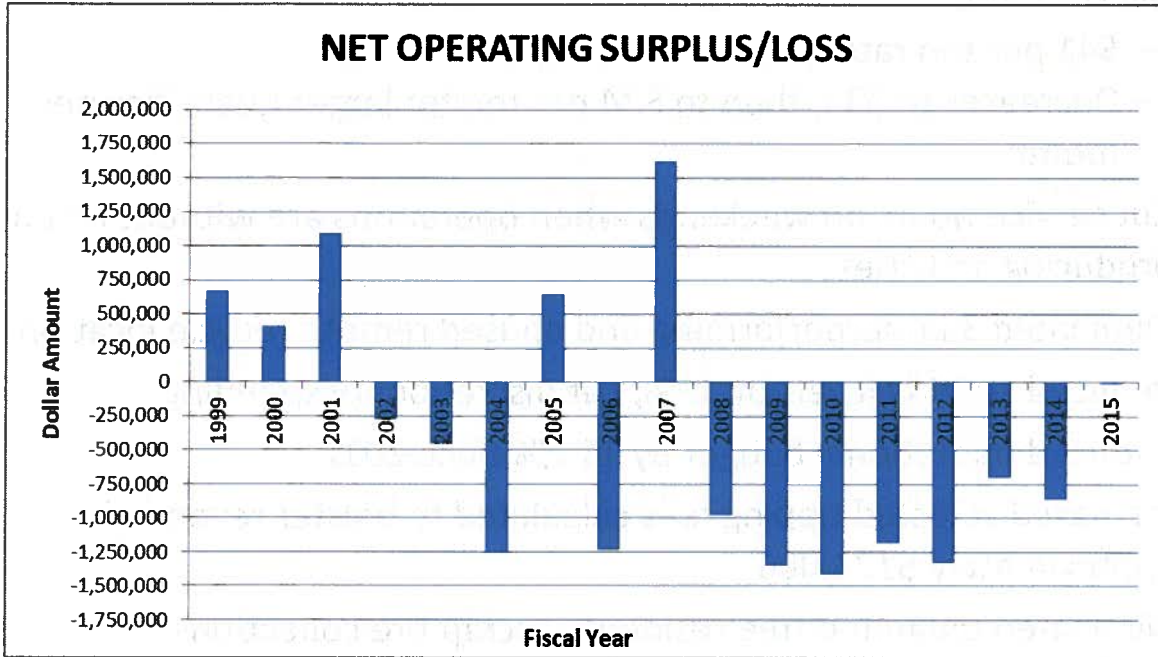


- Current funding tied to direct services

12

Operating Performance

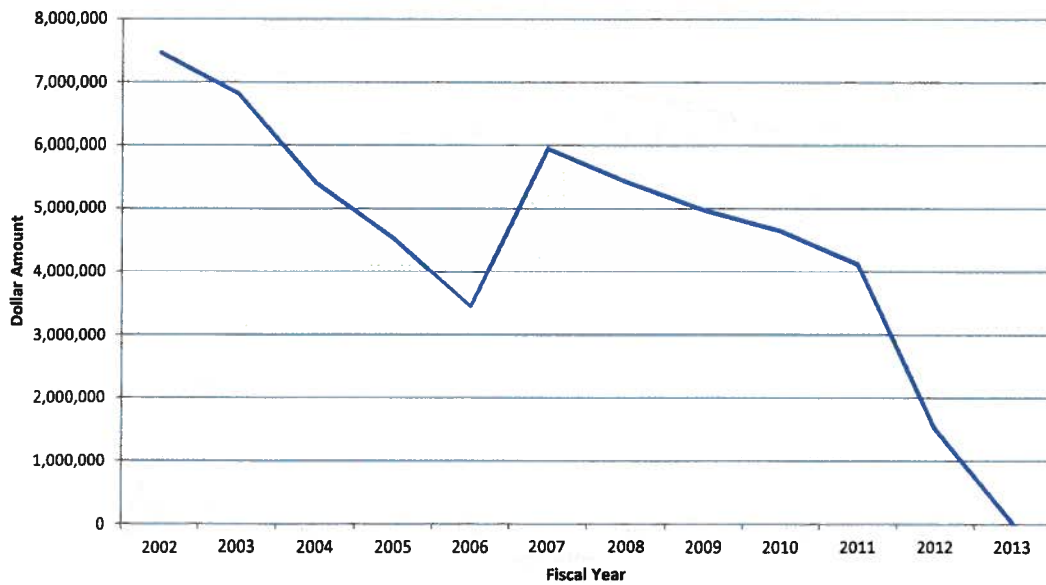
- This affected annual financial performance



13

Net Assets Trend

Unrestricted Net Assets



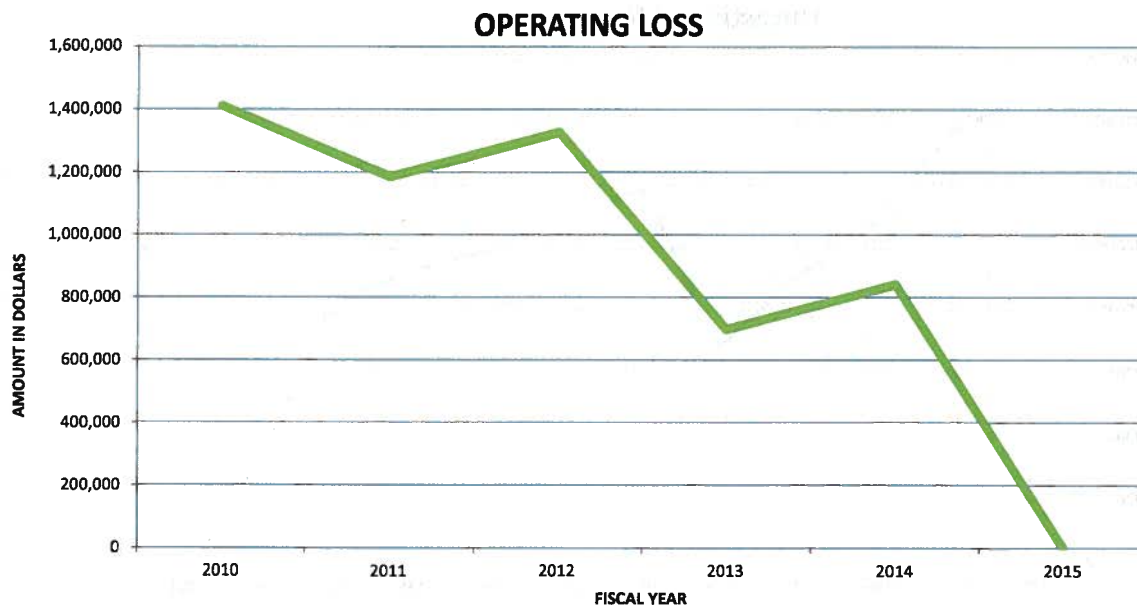
14

R-Board Actions

- Halt the slide in billable collections by implementing scaled tipping fee structure
 - \$41 per ton rate
 - Decreases to \$36, then to \$34 per ton for larger quantities per month
- Cut service hours on weekends when operations are without revenue producing activities
- Eliminated 3 underperforming and abused remote recycle locations
- Reduced staffing levels by 15%; cut discretionary spending
- Reduced operational budget by 11.2% since 2012
- Increased selected tipping fees calculated to bolster revenue by approximately \$175,000
- Eliminated unlimited free residential scrap tire collections

15

Operating Losses



16

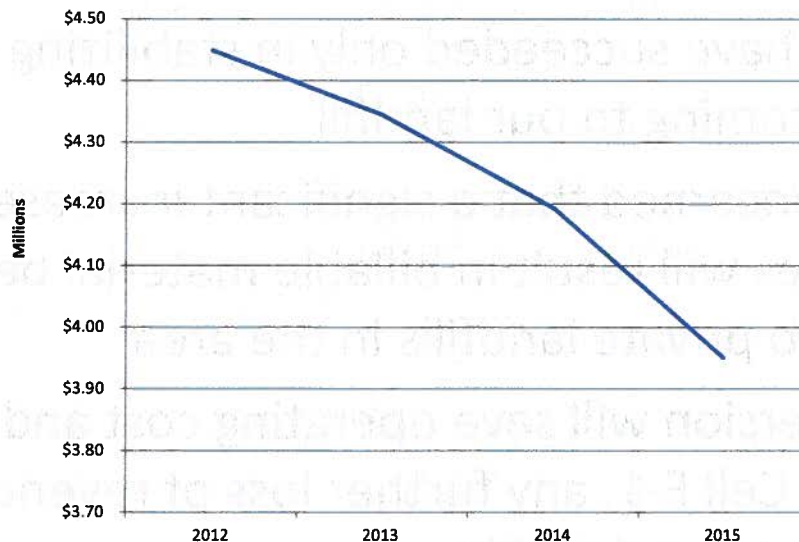
Present Status

- R-Board has taken steps to solidify revenue from all sources, and cut expenses wherever possible without risk of regulatory repercussions
- FY2015 operating budget faces > \$200,000 shortfall
- Sustainable funding levels for new landfill capacity requires additional \$650,000 per year
- Next cell (F-2) must be operational by December 2015 at an estimated capital cost of \$4 million
- Unrestricted reserve fund balance is \$0

17

Options – Expense Reductions

- Operating expense reductions – previously made aggressive cuts over the last few years



18

Options – Service Reductions

- Elimination of litter control efforts is estimated to save a net of \$275,000
- Elimination of Belman Road operation is estimated to save \$225,000
- Elimination of Sunday hours is estimated to save \$62,000
- Litter crew removes about 500 tons of litter per year from our roadways, including thousands of illegal signs
- Closing Belman operation will affect an estimated 2,300 customers per week, almost half are Stafford residents
- Elimination of Sunday hours will inconvenience approximately 1,400 customers per week, and shift the traffic impacts to Saturday
- **Total savings of \$562,000**

19

Options – Increase Tipping Fees

- R-Board tipping fees are competitive compared to surrounding public landfills
- Our rates have succeeded only in stabilizing the loss of waste coming to our landfill
- We are concerned that a significant increase in tipping fees will result in billable material being diverted to private landfills in the area
- While diversion will save operating cost and extend the life of Cell F-1, any further loss of revenue jeopardizes sustainability

20

Comparison Locality Tipping Fees

Tipping Fee Survey			
Facility Name	Commercial Tipping Fees	Residential Tipping Fees	Notes
Loudoun County Sanitary Landfill	\$62/ton	\$62/ton minimum fee \$6 per vehicle	All residents are charged for solid waste services
Prince William County Sanitary Landfill	General Fund supported - no direct charge for residents \$45/ton for out of county solid waste	General Fund supported through property tax rate for County residents; Incorporated town/city residents pay minimum \$5 per visit;	Solid waste service paid directly by residents through property tax bill; consequently, commercial haulers are not charged tipping fees
Fauquier County Solid Waste Mgt. Facility	\$55/ton;	General fund supported at \$50 per ton. Also charged for special waste categories (appliances, electronics, etc.).	
Hanover County	\$50/ton;	No charge for household waste, but residents are charged for special waste	Hanover County is a member of the Central VA Waste Management Authority.
Spotsylvania County Livingston Sanitary Landfill	Tipping Fees MSW \$29/ton. Reduces to \$24 and \$19 per ton, depending on monthly quantities.	General Fund supported at \$2.69 million	
Albemarle County	\$66 / ton	\$7 per vehicle (resident rate); also charge for special waste (appliances, etc.)	Albemarle County is a member of the Rivanna Solid Waste Authority.

- R-Board competes primarily with commercially owned landfills

21

Options – Reinstating Subsidy

- The operational agreement executed by both jurisdictions provides for the localities to split operational losses according to landfill usage
- The FY2013 audited operational loss was \$697,909
- Based on FY2013 data, Stafford would pay \$474,578 under this scenario
- A similar method would be based on subsidizing non-billable usage by each locality at \$41 per ton. This would result in \$907,576 based on FY2013 data (\$516,477 for Stafford)

22

Options – Charging All Residents

- Charging Fredericksburg Public Works at \$20/ton in FY2015
 - This would generate about \$165,000
 - The City has agreed to this measure
- Charging residents using either convenience center a per trip fee of \$3 for “standard” volumes of household waste. Surcharges for extra amounts
 - The \$3 charge is less than the equivalent amount paid by a County customer of commercial waste services
 - Based on recent survey data, this could generate an additional \$1.15 million

23

Advantages/Disadvantages

- Advantages
 - Provides sufficient revenue to fund operational costs and replenish the reserve fund to allow for construction of Cell F2
 - Equitable charge system when compared to residents contracting with commercial services
 - Discourages businesses and outside residents from using the convenience locations to avoid waste disposal charges
 - Potential reduction in vehicle traffic at the convenience centers.
 - Implementing a system of universal payment for use of landfill services has proven to be effective in other communities at reducing quantities of waste delivered to the landfill
- Disadvantages
 - Resistance from customers used to the free service
 - Potential increase in illegal dumping
 - Additional staff demands to process payments, monitor activity, and collect charges at the convenience centers

24

J. NEW BUSINESS (Tab 5)

1. Rappahannock Goodwill Industries

a. RB14-03



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
Deputy County Administrator

DATE: August 14, 2014

SUBJECT: **Rappahannock Goodwill Industries**

The R-Board entered into an agreement in May 2005 with Rappahannock Goodwill Industries (RGI) to work cooperatively with the collection of used electronic devices from patrons of the regional landfill. This effort was expanded informally sometime after to include other useful items such as clothes, shoes, handbags and household items. To date, this cooperative program has collected an estimated 1.3 million pounds of materials for resale to support an important local charitable organization, while diverting useful materials from taking up valuable landfill space.

R-Board staff has recently met with RGI staff to identify ways to make this program even more effective. This resulted in a number of ideas designed to feature this program more prominently in our public outreach efforts, while at the same time ensuring enhanced onsite supervision of the collection operation. Key elements of the proposed amendment are as follows:

- Authorize collection by RGI of all reusable materials suitable for their resale efforts at the Eskimo Hill and Belman Road locations.
- The R-Board will provide a suitable container featured in a prominent location suitable to both parties at each site.
- The R-Board will assist in advertising this initiative by use of their website and other methods as deemed appropriate.
- RGI will provide staffing for all times when the collection location is operational. This is expected to be whenever the Eskimo Hill site is open for residential service, and at the Belman Road location at times to be determined. The collection container is to remain locked at all times when our facility is open, but RGI is unable to staff the site.
- RGI will maintain the area around the collection container in presentable manner, and weigh all donations on R-Board scales for the purpose of record keeping.

Subject to R-Board approval, staff will work with RGI to implement this initiative at the Eskimo Hill location by September 1st. Depending on the success of efforts at Eskimo Hill, the program may be expanded to the Belman road location, although collection hours may be limited due to the reduced number of patrons.

Proposed Resolution RB14-03 is attached for your consideration.

KCD:kd

Attachments: May 20, 2005 Agreement
Draft Amendment
Resolution RB14-03



RAPPAHANNOCK REGIONAL SOLID WASTE
MANAGEMENT BOARD (R-BOARD)
Diane Jones, Office of Recycling & Litter Prevention
489 Eskimo Hill Road, Stafford, VA 22554

AGREEMENT

This agreement dated May 26, 2005 between the Rappahannock Regional Solid Waste Management Board (R-Board) and Rappahannock Goodwill Industries, Inc. (RGI) is for the purpose of establishing a list of services.

The R-Board agrees to provide RGI:

- Two sites, on which to collect good "working" electronics.
- Site locations are Belman Road Recycling located at 1000 Tyler Street, Fredericksburg, VA and Eskimo Hill Residential Drop-off site located at 489 Eskimo Hill Road, Stafford, VA.
- Provide 1 rain proof 40 cubic yard walk in container per site.
- R-Board assures that there will be a road surface at the container suitable for RGI's trucks to back up to. The objective being to load carts directly onto the lift gate of the RGI truck.
- Advertising both direct to program as well as incorporate in the regional landfill comprehensive advertising/education efforts.
- This program is seeking "good" operable electronic equipment for recycling. If "bad" non-operable electronics is a substantial portion of the donation mix, RGI will look to the R-Board to increase the special days of collection and/or accept the return of "bad" electronics by RGI.

RGI agrees to provide to the R-Board:

- RGI will start with 3 carts at Eskimo Hill and 2 at Belman Road and will adjust the quantity of carts and pickup times to suite donation pattern.
- Appropriate signage on containers.
- Timely pick up of materials collected.
- Weigh out through the site scales for record keeping purposes.
This will apply to the Eskimo Hill site only as there are no scales at Belman Road. Manual tracking will be done for Belman Road.

Collection of material is to begin Friday, May 27, 2005

It is further understood that representatives of RGI will comply with all rules and regulations established by the R-Board in relation to operation of the facilities. This agreement may be cancelled at any time by either party for any reason by providing written notice to the other party. The parties agree that there shall be no charge to either party for the provision of services under this Agreement.

Rappahannock Regional Solid
Waste Management Board (R-Board)

Steve Cray
County Administrator

7/12/05
Date

Rappahannock Goodwill Industries, Inc.

[Signature]
President/CEO

7/12/05
Date

E-MAIL

djones@c:o.stafford.va.us
PHONE (540) 658-8680
FAX (540) 658-4523

AMENDMENT #1
to the
MAY 20, 2005 AGREEMENT
BETWEEN THE RAPPAHANNOCK REGIONAL SOLID WASTE MANAGEMENT BOARD
and the
RAPPAHANNOCK GOODWILL INDUSTRIES, INC.

This Amendment dated _____ between the Rappahannock Solid Waste Management Board, (R-Board) and Rappahannock Goodwill Industries, Inc., (RGI) amends the Agreement dated May 20, 2005 between the parties. The original agreement shall be amended as follows:

The R-Board will permit collection by RGI at the Eskimo Hill Road and Belman Road collection locations of all reusable items donated by residential customers.

The R-Board will provide one 40 yard walk-in, rain proof, and lockable container at each location to RGI for the purpose of collecting donations. Access to these containers will be maintained in a reasonable manner by R-Board personnel.

The R-Board will assist in promoting public awareness of this service through the use of onsite signage, website and social media notifications.

RGI shall maintain the appearance of these containers, along with providing any detailing RGI desires.

RGI shall provide staffing of the collection location whenever the Eskimo Hill Road location is open for residential drop off service. These hours of operation are currently Monday – Friday 8:00 am to 4:30 pm, and Saturday - Sunday 9:00 am to 3:00 pm, but subject to change by the R-Board. Collection hours and methods for the Belman Road location are to be determined by mutual agreement. RGI shall lock the containers at all times they are unstaffed.

RGI shall maintain the area around the collection containers in a neat and orderly manner, and weigh all collected items on the R-Board scales to ensure accurate records are maintained by both parties.

Rappahannock Regional Solid
Waste Management Board

Rappahannock Goodwill Industries, Inc.

Director, R-Board

Chairman, Rappahannock Goodwill Industries, Inc.

Date

Date

**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 in the Stafford County Administration Center, 1300 Courthouse Rd., Stafford, Virginia, on the 20th day of August, 2014;

Members:

Paul V. Milde, III, Chairman
Matthew Kelly
Beverly R. Cameron
Anthony J. Romanello
Gary Snellings
William C. Withers, Jr.

Vote:

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

**A RESOLUTION AUTHORIZING AN AMENDMENT TO THE AGREEMENT BETWEEN
THE R-BOARD AND RAPPAHANNOCK GOODWILL INDUSTRIES, INC. TO EXPAND
THE COLLECTION OF REUSABLE ITEMS FOR CHARITABLE PURPOSES**

WHEREAS, the Rappahannock Regional Solid Waste Management Board (R-Board) desires to facilitate the expansion of programs which divert reusable items from the landfill in an environmentally sound manner benefiting a long standing local charitable organization; and

WHEREAS, such actions support the R-Board's vision to promote reduce, reuse, and recycling programs; and

WHEREAS, the R-Board has developed a partnership with Rappahannock Goodwill Industries, Inc. (RGI) to collect reusable electronic items which would otherwise be placed in the landfill; and

WHEREAS, the R-Board and RGI both desire to amend the current Agreement to include all reusable items fitting the RGI retail program, including clothes, shoes, handbags and household items; and

WHEREAS, this Amendment would benefit the community and support the zero waste goals of both organizations; and

WHEREAS, the Amendment includes the following key provisions:

- Authorize collection by RGI of all reusable materials suitable for their resale efforts at the Eskimo Hill and Belman Road locations.
- The R-Board will provide a suitable container featured in a prominent location suitable to both parties at each site.
- The R-Board will assist in advertising this initiative by use of their website and other methods as deemed appropriate.
- RGI will provide staffing for all times when the collection location is operational. This is expected to be whenever the Eskimo Hill site is open for residential service, and at the Belman Road location at times to be determined. RGI shall lock the containers at all times they are unstaffed.
- RGI will maintain the area around the collection container in presentable manner, and weigh all donations on R-Board scales for the purpose of record keeping.

NOW, THEREFORE BE IT RESOLVED, by the Rappahannock Regional Solid Waste Management Board on this the 20th day of August, 2014, that an Amendment to the 2005 Agreement with Rappahannock Goodwill Industries, Inc. to expand the collection of reusable items be and it hereby is authorized.

A Copy, teste:

RAPPAHANNOCK REGIONAL SOLID WASTE
MANAGEMENT BOARD

Keith Dayton, Director

J. NEW BUSINESS (Tab 5)

2. Sheriff's Facility

a. RB14-04



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
Deputy County Administrator

DATE: August 14, 2014

SUBJECT: **Sheriff's Request for Facility Upgrades**

R-Board staff were recently advised that the Stafford County Sheriff was requesting permission to improve the shooting range facilities at the landfill site. This facility is also used by the Fredericksburg City Police for training activities. Specifically, they wish to add a building for classroom training purposes, along with a tactical training facility. It is possible that the two facilities can be combined into a single building, although additional investigation is required to make that determination.

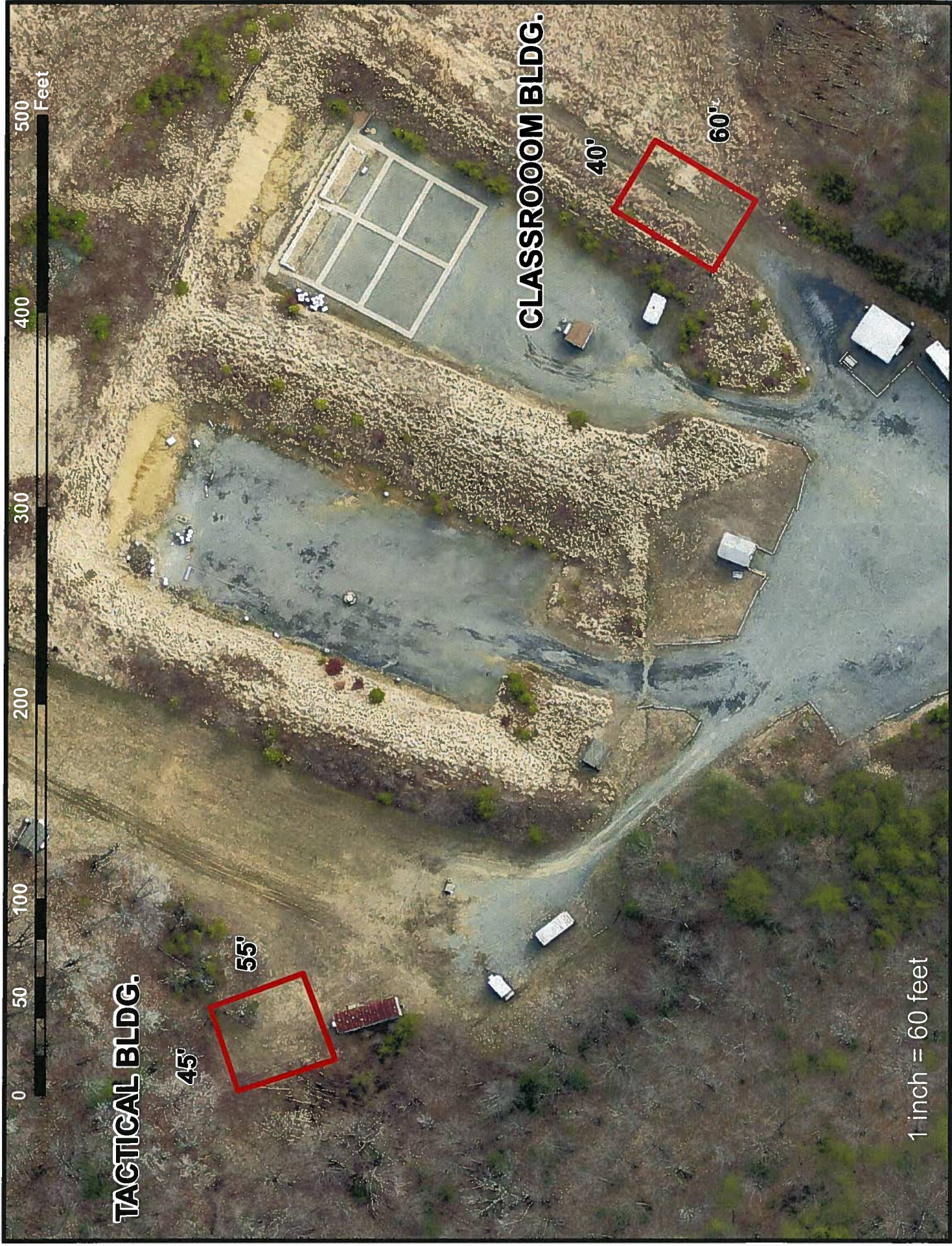
These buildings would be erected adjacent to the existing range as shown on the attached graphic, and occupy little additional area. The additional area required would be outside the permitted landfill acreage, and therefore not impact landfill operations in any way.

These facilities would be subject to County review and approval, and the Sheriff's Office would be responsible for the costs associated with the improvements.

Staff supports this request and has included Proposed Resolution RB14-04 for consideration by the R-Board.

KCD:kd

Attachments: Proposed Building Locations
Resolution RB14-04



0 50 100 200 300 400 500 Feet

TACTICAL BLDG.

45'

55'

CLASSROOM BLDG.

40'

60'

1 inch = 60 feet

**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 20th day of August, 2014;

Members:

Paul V. Milde, III, Chairman
Mathew J. Kelly
Beverly R. Cameron
Anthony J. Romanello
Gary Snellings
William C. Withers, Jr.

Vote:

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

**A RESOLUTION APPROVING THE EXPANSION OF THE STAFFORD COUNTY
SHERIFF'S OFFICE TRAINING FACILITIES ON R-BOARD PROPERTY AT THE ESKIMO
HILL ROAD LANDFILL**

WHEREAS, the Stafford County Sheriff requested permission to expand the existing training facilities at the landfill site on Eskimo Hill Road to include a classroom building and shooting range support building; and

WHEREAS, the R-Board desires to support the public safety mission of the Stafford County Sheriff and the Fredericksburg City Police force; and

WHEREAS, these buildings can be constructed without impacting the operation of the landfill.

NOW, THEREFORE BE IT RESOLVED, by the Rappahannock Regional Solid Waste Management Board on this the 20th day of August, 2014, that the Stafford County Sheriff has permission to expand their training facilities at the Eskimo Hill Road landfill site.

A Copy, teste:

**RAPPAHANNOCK REGIONAL SOLID WASTE
MANAGEMENT BOARD**

Keith C. Dayton, Director

J. NEW BUSINESS (Tab 5)

3. Professional Services Authorization

- a. RB14-05 (Resource International Ltd.)
- b. RB14-06 (Draper Aden, Inc.)



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 May

Date: August 20, 2014

RE: Contract Extensions

The R-Board is asked to consider authorization of two contract extensions for professional services for Fiscal Year 2015.

RB14-05 – Resource International

The R-Board has a longstanding relationship with Resource International, Ltd. to provide professional services. Our current contract, providing engineering design, construction services, environmental monitoring, and reporting and permitting assistance, has two more years remaining, based upon the initial R-Board authorization. Staff believes that the continued use of Resource International, Ltd. provides the best option for providing these services. Resource International, Ltd. has proposed to provide these services for FY2015 for the estimated cost of \$198,785. Staff has reviewed this proposal and believes the proposed amount is reasonable for the level of service provided.

Staff recommends extending the contract, and has included Resolution 14-05, for fiscal year FY15 in an amount not to exceed \$198,785, for R-Board consideration.

RB14-06 – Draper Aden Associates

The R-Board authorized Draper Aden Associates to provide professional services to assist with landfill gas monitoring and maintenance in FY2014. The current contract allows for extensions up to four additional years. Staff has been satisfied with the level of service provided by Draper Aden Associates, and recommends they continue to provide these services for FY2015. Draper Aden Associates has offered to provide these services in FY2015 for an estimated cost of \$120,233. Staff has reviewed this proposal and believes the proposed amount is reasonable for the level of service provided.

Staff recommends extending the contract, and has included Resolution 14-06 to extend the existing contract through June 30, 2015 in an amount not to exceed \$120,233 for R-Board consideration.

These services are necessary for the R-Board to remain in compliance with the various permits issued for landfill operations. Sufficient funds are budgeted in the FY2015 budget for these services.

**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 20th day of August, 2014;

Members:

Vote:

Paul V. Milde, III, Chairman
Mathew J. Kelly
Beverly R. Cameron
Anthony J. Romanello
Gary Snellings
William C. Withers, Jr.

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

**A RESOLUTION TO RENEW THE CONTRACT FOR ENGINEERING SERVICES IN
SUPPORT OF LANDFILL OPERATIONS**

WHEREAS, the Rappahannock Regional Solid Waste Management Board (R-Board) voted by Resolution RB11-04 to authorize a consultant services contract with Resource International, Ltd. for a period of one (1) year commencing July 1, 2011; and

WHEREAS, the R-Board has the option to renew this contract for four (4) additional years to be negotiated and approved by both parties; and

WHEREAS, there are an additional two (2) years of services remaining for this solicitation, and staff recommends continuing these services with Resource International, Ltd.

NOW, THEREFORE BE IT RESOLVED, by the Rappahannock Regional Solid Waste Management Board on this the 20th day of August, 2014, that an amendment with Resource International, Ltd. for an additional period of one (1) year commencing July 1, 2014 through June 30, 2015, is hereby authorized in an amount not to exceed ONE HUNDRED NINETY-EIGHT THOUSAND SEVEN HUNDRED EIGHTY-FIVE DOLLARS (\$198,785).

A Copy, teste:

**RAPPAHANNOCK REGIONAL SOLID WASTE
MANAGEMENT BOARD**

Keith C. Dayton, Director

**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 20th day of August, 2014;

Members:

Vote:

Paul V. Milde, III, Chairman

Mathew J. Kelly

Beverly R. Cameron

Anthony J. Romanello

Gary Snellings

William C. Withers, Jr.

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

**A RESOLUTION TO RENEW THE CONTRACT FOR PROFESSIONAL SERVICES
RELATED TO THE MONITORING AND MAINTENANCE OF THE LANDFILL GAS
COLLECTION SYSTEM**

WHEREAS, the Rappahannock Regional Solid Waste Management Board (R-Board) voted by Resolution RB14-06 to authorize a professional services contract with Draper Aden Associates for a period of one (1) year commencing July 1, 2014; and

WHEREAS, the R-Board has the option to renew this contract for four (4) additional years to be negotiated and approved by both parties; and

WHEREAS, there are an additional four (4) years of services remaining for this solicitation, and staff recommends continuing these services with Draper Aden Associates.

NOW, THEREFORE BE IT RESOLVED, by the Rappahannock Regional Solid Waste Management Board on this the 20th day of August, 2014 that an amendment to extend the professional services contract with Draper Aden Associates is authorized for a period of one (1) year commencing July 1, 2014 through June 2015 in an amount not to exceed ONE HUNDRED TWENTY THOUSAND, TWO HUNDRED THIRTY-THREE DOLLARS (\$120,233).

A Copy, teste:

**RAPPAHANNOCK REGIONAL SOLID WASTE
MANAGEMENT BOARD**

Keith C. Dayton, Director

J. NEW BUSINESS (Tab 5)

4. Recycling and Maintenance Services

Authorization

a. RB14-07 (County Waste, LLC)

b. RB14-08 (Carter Machinery Company, Inc.)



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

Date: August 14, 2014

RE: Authorize Contracts for Recycling Material Processing and Maintenance and Repair Services

The R-Board is asked to authorize a new contract for receipt of our recycled materials, and a contract to provide parts and service for landfill equipment.

RB14-07 – County Waste, LLC

During FY14, the R-Board experienced an unexpected drop in their recycling price per ton. This resulted in the loss of anticipated revenues. Staff researched the area markets for processing of single stream and it was deemed appropriate to put out an RFP for our supply of single stream recyclables. Four vendors responded to the RFP which closed on April 29, 2014. County Waste, LLC was found to be the most responsive proposer. It is estimated that the terms of the new contract will generate as much as \$20,000 in additional revenue each month over the previous contract. Staff recommends that the R-Board authorize this contract, and has included Resolution RB14-07 for R-Board consideration.

RB14-08 – Carter Machinery Company

The R-Board owns Caterpillar brand equipment for the trucks and machinery used for landfill operations. This equipment is used continuously under harsh conditions, and must be maintained in top running order to comply with DEQ regulations. While we employ mechanic staff to perform routine maintenance and minor repairs, major repairs and scheduled overhauls are performed by trained, factory certified mechanics, using original equipment manufactured parts. Carter Machinery Company, Inc. of Salem, Virginia is the sole source authorized dealer for our area, and provides most of our major equipment service. Staff recommends that the R-Board authorize Carter Machinery Company, Inc. to provide parts and service on landfill equipment in FY2015 in an amount estimated at \$200,000. Resolution RB14-08 is included for R-Board consideration. These funds were budgeted in the FY2015 budget.

**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 20th day of August, 2014;

Members:

Vote:

Paul V. Milde, III, Chairman
Mathew J. Kelly
Beverly R. Cameron
Anthony J. Romanello
Gary Snellings
William C. Withers, Jr.

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

**A RESOLUTION TO AUTHORIZE A CONTRACT FOR COLLECTION AND PROCESSING
OF RECYCLABLE MATERIALS**

WHEREAS, the Rappahannock Regional Solid Waste Management Board (R-Board) desires to promote environmentally positive waste management through the recycling of waste materials in the most responsible and economically advantageous manner; and

WHEREAS, proposals were solicited from firms interested in providing services to receive and process single stream materials from the R-Board; and

WHEREAS, four firms responded to this proposal; and

WHEREAS, following evaluation by staff, County Waste, LLC was found to have offered the most responsive proposal; and

WHEREAS, staff recommends awarding this contract to County Waste, LLC;

NOW, THEREFORE BE IT RESOLVED, by the Rappahannock Regional Solid Waste Management Board on this the 20th day of August, 2014, that a contract with County Waste, LLC for an initial period commencing August 1, 2014 through June 30, 2015, with the option to renew this contract for additional annual periods to be negotiated and approved by both parties.

A Copy, teste:

**RAPPAHANNOCK REGIONAL SOLID WASTE
MANAGEMENT BOARD**

Keith C. Dayton, Director

**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 20th day of August, 2014;

Members:

Vote:

Paul V. Milde, III, Chairman
Mathew J. Kelly
Beverly R. Cameron
Anthony J. Romanello
Gary Snellings
William C. Withers, Jr.

On motion of , seconded by , which carried by a vote of to , 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 Rappahannock Regional Solid Waste Management Board (R-Board) is manufactured by Caterpillar; and

WHEREAS, Carter Machinery Company, Inc. of Salem, Virginia is the authorized dealer for providing repair service and parts 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 landfill equipment in FY2015.

NOW, THEREFORE BE IT RESOLVED, by the Rappahannock Regional Solid Waste Management Board on this the 20th day of August, 2014, that the R-Board authorize Carter Machinery Company, Inc. to provide parts and services on landfill equipment in FY2015 in the estimated amount of \$200,000.

A Copy, teste:

**RAPPAHANNOCK REGIONAL SOLID WASTE
MANAGEMENT BOARD**

Keith C. Dayton, Director