



Rappahannock Regional Solid Waste Management Board Annual Financial & Operational Report

July 1, 2023 through June 30, 2024

CONTENTS

Mission and Vision	1
R-Board Members	2
Virginia Environmental Excellence Program	3
Operational Overview	4
Regulatory Overview	5
Employee Achievements and Accolades	5
Operational and Financial Performance	6
Financial Summary (Unaudited)	8
End Year Weight and Material Summary	9
Portfolio Composition	10
Recycling and Diversion	12
Recycling Audit	15
Household Hazardous Waste Collection	16
Electronic Waste Collection	17
Litter Control	18
Community Outreach and Education	19
Summary	21

MISSION AND VISION

R-Board Mission

The mission of the Rappahannock Regional Solid Waste Management Board (R-Board) is to provide professional, courteous, and intelligent service and solutions to the waste disposal needs of citizens residing in Stafford County and the City of Fredericksburg.

R-Board Vision

The R-Board's vision is to operate the best landfill in Virginia. Being the best landfill includes environmentally sound solid waste management policies and having an active Reduce, Reuse, and Recycling program, all coupled with outstanding customer service. The R-Board intends to continually strive to be a leader in the waste management industry and to set an example for others to emulate.

R-BOARD MEMBERS

Timothy J. Baroody

Fredericksburg City Manager
715 Princess Anne Street
Room 203
Fredericksburg, VA 22401

Meg Bohmke

Stafford County Supervisor
Falmouth District
P.O. Box 339
Stafford, VA 22555

Monica Gary

Chairman
Stafford County Supervisor
Aquia District
P.O. Box 339
Stafford, VA 22555

Jannan W. Holmes

Vice Chairman
Fredericksburg City Council, At-Large
715 Princess Anne Street
Room 208
Fredericksburg, VA 22401

Will B. Mackintosh

Fredericksburg City Council, At-Large
715 Princess Anne Street
Room 208
Fredericksburg, VA 22401

F. Craig Meadows

Interim Stafford County Administrator
P.O. Box 339
Stafford, VA 22555

Consultant

TRC Companies
Ernie Hoch
1030 Wilmer Ave, Suite 100
Richmond, VA 23227

R-Board Attorney

William H. Hefty, Esq.
Brendan Hefty, Esq.
Hefty Wiley & Gore, P.C.
100 West Franklin Street, Suite 300
Richmond, Virginia 23220

VIRGINIA ENVIRONMENTAL EXCELLENCE PROGRAM

The Rappahannock Regional Solid Waste Management Board (R-Board) has earned its Exemplary Environmental Enterprise (E3) recertification in the Virginia Environmental Excellence Program (VEEP) for the Regional Landfill. The Virginia Department of Environmental Quality (VA DEQ) administers the E3 certification and only certifies facilities that have a good compliance history, a fully implemented environmental management system, and a pollution prevention program in place with demonstrated performance. The Regional Landfill has been certified in environmental excellence since 2004.

The R-Board is committed to continuous improvement of the Regional Landfill. It requires annual and monthly safety training for employees and encourages employees to seek additional training to ensure safety and environmental responsibility. The R-Board is dedicated to environmental excellence and extending the landfill's life through recycling opportunities for residents.



OPERATIONAL OVERVIEW

New Equipment

FY24 authorized the buying of a new D6 dozer.

Cell F-3 Operations

Cell F-3 continued to fill without any issues.



Cell G1/G3 Construction

Final permits for Cell G1/G3 were received on May 2, 2024. Sargent installed silt fencing, cleared trees, and began excavation.



REGULATORY OVERVIEW

The R-Board maintains several permits under various local, state, and federal regulatory agencies. This list of permits includes the Solid Waste Permit (SWP - VADEQ), which authorizes construction, operation, and modification of solid waste disposal facilities; Title V & NSR Air permits (40946 – VADEQ/EPA), landfill gas and air emissions; Virginia Pollutant Discharge Elimination System (VPDES:051413 - VADEQ), stormwater maintenance, monitoring and discharges; Virginia Pollution Abatement (VPA:00066 - VADEQ), composting operations; Significant Industrial User (SIU: STFRD006 – Stafford County Utilities Department), wastewater monitoring and discharges; Virginia Water Protection (VWP: WP4-23-2648 – VADEQ), stormwater-related to new cell construction; Corps of Engineers (COE: NAO-2019-00105) & State Program General Permit (22-SPGP-RCIR); new cell construction; Grading Permit (GR243006530 – Stafford County Environmental Department), erosion sediment control for new cell construction.

EMPLOYEE ACHIEVEMENTS AND ACCOLADES

The R-Board continues to encourage and support employees as they pursue certifications and continuing education to enhance their skills and knowledge. The following are the courses and training that staff have participated in: 2024 Unauthorized Waste Training (Cornerstone)

- Mental Health First Aid Training (Certifications received)
- Virginia Department of Transportation Flagger Certification
- SWANA Health and Safety Seminar
- 31st Annual Landfill Seminar
- First Aid/CPR/AED Training

The R-Board appreciates and recognizes the following employees for significant milestones of their years of service with the R-Board and Stafford County:

- Donald Skinner – 26 years
- Francesca Johnson – 3 years
- Tyler Schmidt – 3 years
- Timothy Pickett – 3 years
- Joyce Brent - 3 years
- Mary Ann Coulombe - 5 years
- Daniel McCary – 5 years
- Jerry Bass – 5 years
- Bill Froelich – 5 years

The R-Board recognizes and welcomes the following employees hired in FY2024:

- Walter Sanderson
- Corey King
- John Eckman
- Charles Brown
- Cedar Ek

OPERATIONAL AND FINANCIAL PERFORMANCE

RESIDENTIAL USER FEE

The R-Board is supported by user fees and does not receive tax funding. Residential user fees are used to assist with costs of managing residential use areas. The R-Board manages two such facilities, Eskimo Hill Road, and Belman Road drop-off sites. Residential user fee options are as follows:

- One-time pass \$5
- Coupon book \$40 (10 passes that never expire)
- Annual pass \$120 (passes are effective from January 1st to December 31st)
- Oversize residential loads
 - 8' trailer or less \$5 or covered by annual pass
 - Trailers greater than 8' up to 14' \$10
 - Trailers greater than 14' or cargo vehicles \$20

Overall residential user fee revenue increased from FY23 \$ \$791,885 to FY24 \$806,000.

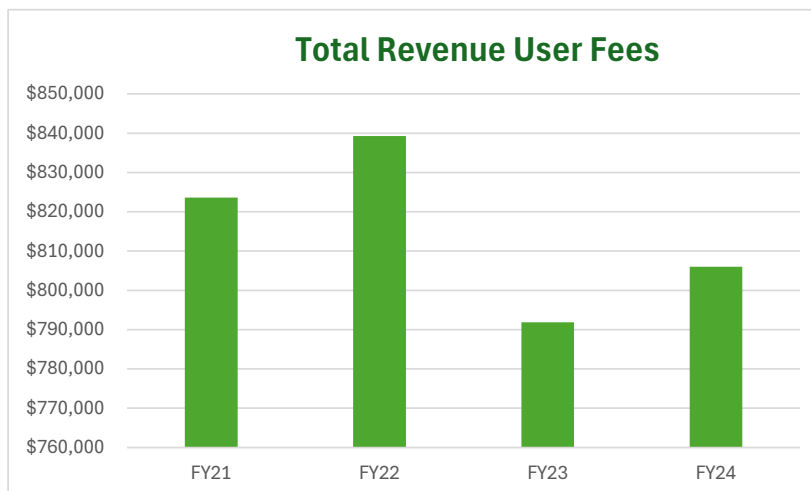


Figure I Residential User Fees

Annual passes or coupon books are available for purchase at the Regional Landfill, Stafford Treasurer, City of Fredericksburg Treasurer, and Online. The following chart shows the revenue by point of sale.

The landfill residential drop-off site Regional Landfill carries 83% of all sales.

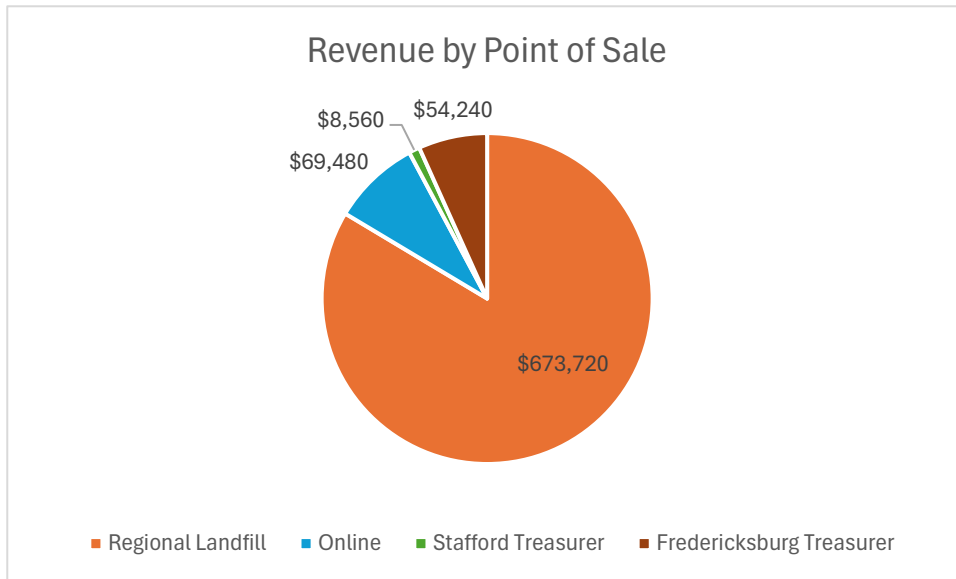


Figure 2 Revenue by Point of Sale

Pay-per-visit is the most common transaction as depicted below. However, annual passes generate the most revenue.

Type	Transactions	Revenue
Pay-Per-Visit	40,546	\$ 202,730
8 t 14 ft load	3,973	\$ 39,730
14ft plus	280	\$ 5,600
Oversized Load	3,491	\$ 69,820
Coupon Books	4,679	\$ 187,160
Annual Pass	2,508	\$ 300,960
Total	55,477	\$ 806,000

Table I User Fee Transactions & Revenue

FINANCIAL SUMMARY (UNAUDITED)

Financial Summary (Unaudited)	
	Revenue
Rental Cell Tower Sites Milestone	\$32,624.68
Recycling Revenue	\$115,054.46
Commercial	\$9,712,100.66
Municipal-Stafford	\$39,999.96
Municipal-Fredericksburg	\$260,128.70
Sludge/Dirt/Debris Stafford	\$359,740.30
Residential User Fees	\$785,600.00
Sale of LF Gas	\$5,557.60
Sludge Disposal Fred	\$134,876.83
Miscellaneous	\$5,784.44
Totals	\$11,451,467.63

Table 2 Financial Summary (Unaudited)

END YEAR WEIGHT AND MATERIAL SUMMARY

CATEGORY	FY2023 Y-T-D <u>Weight</u>	FY2024 Y-T-D <u>Weight</u>	Difference <u>%</u>
Billable			
MSW	136,445	146,688	8%
Debris Waste	91,178	97,218	7%
Dirt	2,455	5,818	137%
Sludge (city)	4,646	4,818	4%
Sludge (county)	11,559	13,145	14%
Yard waste	1,453	1,947	34%
BILLABLE TONNAGE	247,736	269,634	9%
Non-Billable			
Litter/Cleanups	99	240	144%
Recycling	5,918	8,415	42%
TOTAL TONNAGE	253,752	278,290	10%

Table 3 End Year Weight and Material Analysis

PORTFOLIO COMPOSITION

Portfolio Composition

Security Type		% of Portfolio
U.S. Agencies and Securities	\$ 7,281,047	75.63%
Corporate Notes and Bonds	\$ 914,232	9.50%
Certificates of Deposit	\$ 730,322	7.59%
Commercial Paper	\$ 680,148	7.07%
Money Market Mutual Funds	\$ 20,991	0.22%
Total	\$ 9,626,740	100.00%

Table 4 Portfolio Composition

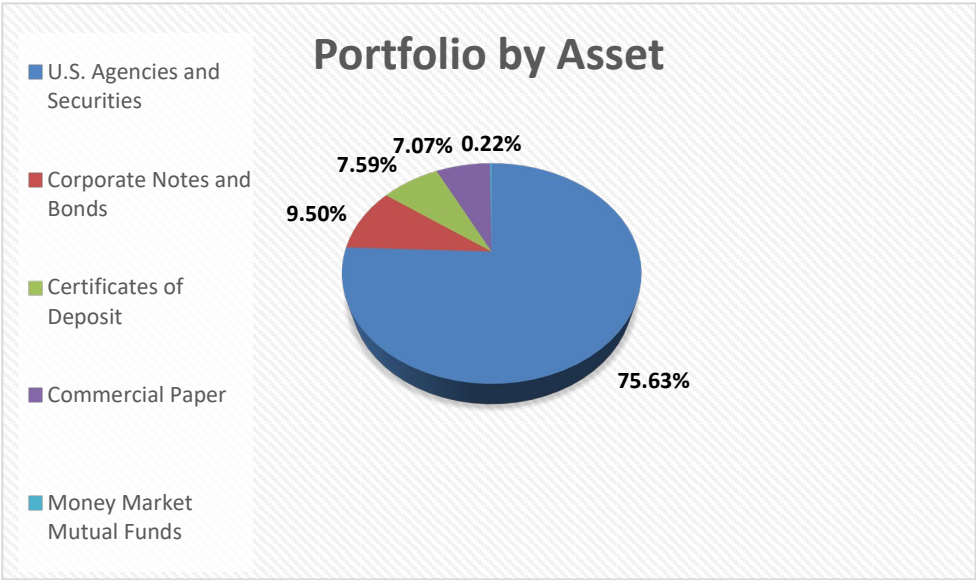


Figure 3 Portfolio by Asset

A primary goal of the R-Board is to divert materials from landfills most efficiently. Recyclable materials are received from the mobile and residential drop-off sites, as well as the City of Fredericksburg's Public Works curbside collections. Recycling for residents is free, and the City of Fredericksburg pays \$50 per ton.

- Single Stream Recyclables include:
 - Cardboard
 - Newsprint
 - Mixed paper
 - Steel and aluminum cans
 - Plastic #1 and #2 bottles, tubs, jugs, and jars

The R-Board also recycles the following materials:

- Rechargeable batteries
- Automotive and equipment batteries
- Bicycles (Regional Landfill only)
- Motor oil (limit 5 gallons per resident per day)
- Transmission fluid (limit 5 gallons per resident per day)
- Antifreeze (limit 5 gallons per resident per day)
- Fluorescent light bulbs (Regional Landfill only, no bulbs longer than 4')
- Cooking oil
- Appliances
- Scrap metal
- Small engines (lawnmowers, weed whackers, etc.)
- Electronic waste (No TVs or CRT monitors)
- Plastic bags
- Clothing and shoes

**** Yard Waste is mulched however the high cost to operate this program requires residents to pay user fees.*

The R-Board started a bicycle restoration program in fiscal year 2024. This initiative allows Fredericksburg and Stafford County residents to impact their community positively. Stafford Community Crossing Church restores bicycles and distributes them to Micah Ministries and the Department of Social Services.

The total cost of single-stream recycling for FY24 was \$110,294.56.

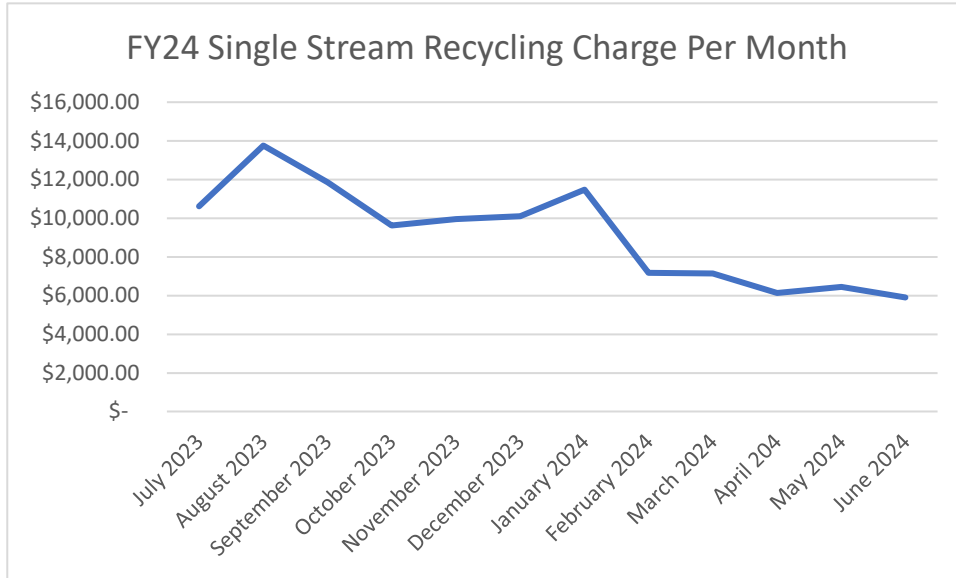


Figure 4 Single Stream Recycling Charge Per Month

RECYCLING AUDIT

The Commonwealth of Virginia mandates that localities must prove a 25% recycling rate. The R-Board conducts a voluntary recycling audit of commercial entities within its jurisdiction. The voluntary reporting of this recycling activity source is essential to meeting the state percentage requirements. For the calendar year 2023, a 32.6% recycling rate was submitted to the Department of Environmental Quality. At the time of this report, the State has not formally approved the report's submission.

HOUSEHOLD HAZARDOUS WASTE COLLECTION

The Household Hazardous Waste Collection was held on September 30, 2023. Over 700 vehicles from the City of Fredericksburg and Stafford County attended. R-Board and MXI Environmental Services staff did an outstanding job keeping the traffic moving to ensure residents did not experience long wait times. The R-Board received great feedback from residents about how smoothly the event went.

Due to its costs, Household Hazardous Waste Collection is conducted once a year. The 2023 event cost the R-Board \$45,429, excluding the expenses for R-Board staff who assist with the event.

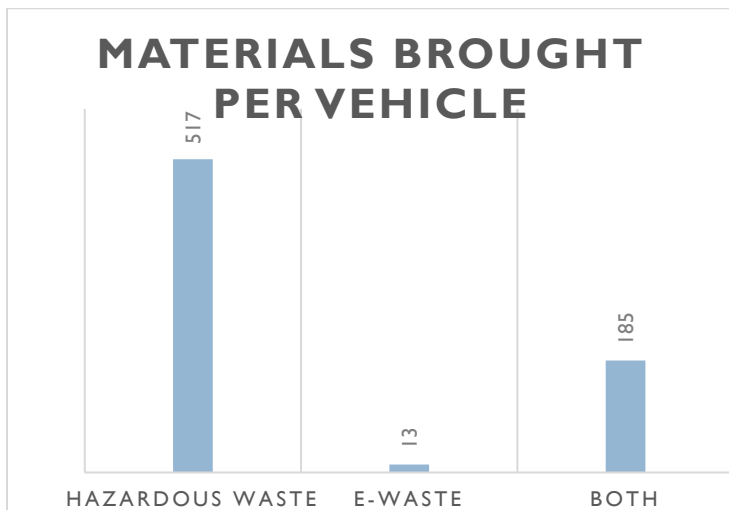


Figure 5 Materials Brought Per Vehicle

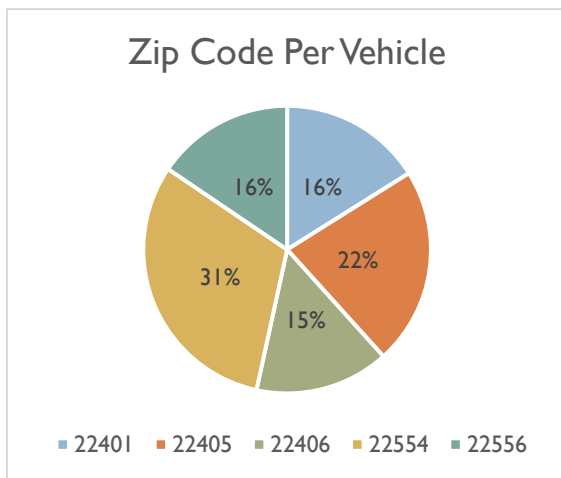


Figure 6 Zip Code Per Vehicle

ELECTRONIC WASTE COLLECTION

The Aquia Harbour Lions Club took over the electronics recycling program in May 2023. The total electronics recycling for FY24 is 119,462 pounds of E-waste. The Rappahannock Regional Solid Waste Management Board (R-Board) / Aquia Harbour Host Lions Club Electronics Recycling Program was selected to be recognized as a silver medal winner for the 2024 Governor's Environmental Excellence Awards.



LITTER CONTROL

GOALS

- Coordinate efforts from available resources: R-Board litter crew, probation workers, volunteers, and partnerships
- Focus roadside litter pickup efforts on high-traffic areas in the City of Fredericksburg and Stafford County
- Reduce illegal dumping through litter crew enforcement
- Provide timely responses to citizen calls on areas of concern

PROGRAMS

- Rappahannock Regional Jail (RRJ) Inmate Roadside Litter
- Rappahannock Regional Jail (AAP) Adult Probationer Program
- Rappahannock Area Office on Youth (OOY)
- Community Cleanups
- Volunteer Cleanups
- Social Media & Website Messaging

R-Board staff monitors roadways for the City of Fredericksburg and Stafford County and collects litter by using the R-Board litter crew, probation workers, and the Rappahannock Regional Jail. In FY2024 529,109 pounds of litter were removed from our communities.

Rappahannock Regional Jail as well as Local Courts:

Total # of Probationers Assigned: 111

Total # of Probationers Hours Completed: 3,612.50

Drug Court

Total # of Probationers Assigned: 30

Total # of Probationers Hours Completed: 845.50

Total Probation Work Completed

Total # of Probationers Assigned – 141

Total # of Probationers Hours Completed – 4,458

Estimated # of Road Miles Cleaned – 395.50

Note: Numbers are lower due to more probation workers working with other organizations. Most facilities are now open and working at full capacity.

COMMUNITY OUTREACH AND EDUCATION

Goals

- Provide recycling and litter prevention education in the City of Fredericksburg and Stafford County
- Provide Backyard Composting classes to the City of Fredericksburg and Stafford County
- Participate in special events to promote recycling and litter prevention in the City of Fredericksburg and Stafford County
-

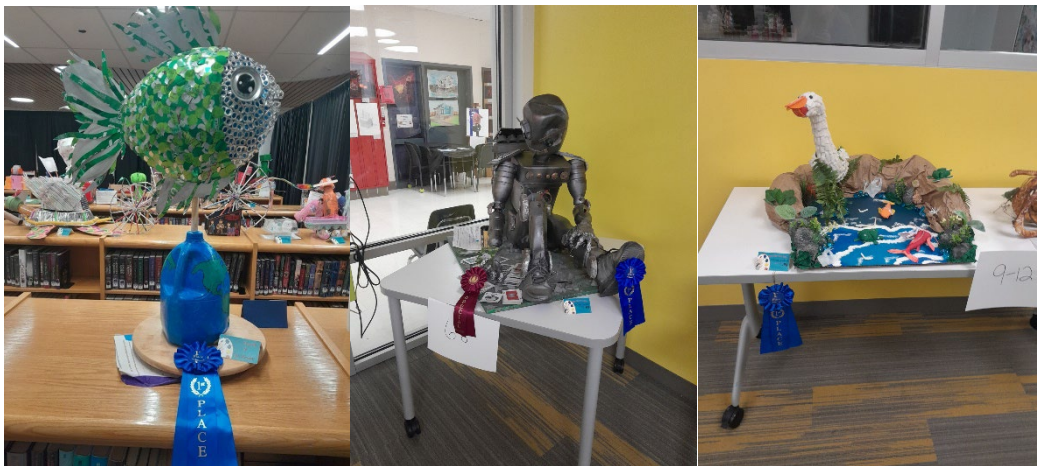
Programs

- Recycling and Litter Prevention tabling
- Recycling and Litter Prevention education for the community
- Environmental Education Trailer
- Social Media & Website Messaging

More than 17,000 people were reached through group presentations, workshops, and tabling events that provided education on topics such as recycling, litter prevention, and composting.

Over 10,500 K-12 youth were educated on recycling and litter prevention. Below are some outreach activities completed last year:

- The R-Board and Stafford County Schools hosted a “Get Rid of Litter” 3-Dimensional Recycled Art Contest on March 24th and 25th, with 144 entries from 14 schools. The event was attended by over 4,000 residents.



- The R-Board attended the Fredericksburg Rappahannock Earth Day on April 20, 2024. The R-Board brought the environmental education trailer, which provided environmental education and community outreach to over 4,000 residents.

- The R-Board attended the Stafford County Earth Day 2024 event on Monday, April 22, 2024. The R-Board brought the recycling education trailer and provided a recycling relay game at the booth. This event allowed the R-Board to provide recycling education and community outreach to over 2,400 residents
- The R-Board displayed the environmental education trailer to several area schools in the City of Fredericksburg and County of Stafford.
- The R-Board participated in Stafford County's Dare Day on May 23, 2024, at Pratt Park. Over 2,400 students were in attendance and invited to explore the environmental education trailer. Students were also provided with a backpack which included a recycling education workbook, bookmark, glow-in-the-dark frisbee, and a pencil made from repurposed blue jeans.
- The R-Board partnered with The Fredericksburg Clean and Green Commission to launch a paper recycling program at Hugh Mercer Elementary School. During the 2-week program, the students collected 1,929.31 lbs. of paper. Students of the classes that recycled the most paper received a certificate and a pizza party.



SUMMARY

The R-Board provides solid waste management services for residents and businesses in the City of Fredericksburg and Stafford County. It meets and exceeds landfill operating standards. In FY24, the R-Board earned its Exemplary Environmental Enterprise (E3) recertification from the Virginia Environmental Excellence Program (VEEP) for the Regional Landfill.

Community outreach and education are important to the R-Board. During FY24, over 17,000 people, including over 10,500 K-12 students, were educated on recycling, litter prevention, and composting.

Litter control is a vital function of the R-Board. Roadways in the City of Fredericksburg and Stafford County are monitored and litter is removed with the help of the R-Board litter crew, probation workers, and inmates from the Rappahannock Regional Jail. In FY2024, 529,109 pounds of litter were removed from over 300 miles of roadways.

Recycling and promoting waste reduction are key goals for the R-Board, as these efforts help extend the landfill's capacity. In FY24, the R-Board launched a bicycle restoration program that allowed the City of Fredericksburg and Stafford County residents to positively impact their community. Additionally, the R-Board's Electronics Recycling Program, in partnership with the Aquia Harbour Host Lions Club, was recognized as a silver medal winner for the 2024 Governor's Environmental Excellence Awards.

The R-Board looks forward to what FY25 will bring!