

## Appendix D4 – Management Programs (Litter and Floatables)

## Litter and Floatables

Waste reduction is the preferred method in the solid waste management hierarchy. Reductions in waste generation lessen the burden of solid waste management by decreasing the amount of material entering the system. The waste reduction plan reflects a multi-faceted approach.

The curbside collection of waste and recyclables is available to residents and services are provided by local trash collection companies. Residents who do not subscribe to a curbside collection service may drop-off material at the HWDC. A 2014 phone survey indicated about 85 percent of all residents recycle with about 80 percent subscribing to a curbside collection program and about four percent self-hauling to the HWDC.

### Media Outlets

The County has consistently spent considerable resources targeting County residents with various forms of advertisement through local radio, newspapers, magazines, and website ads. In addition, the Office of Recycling maintains a website, [www.Harfordrecycles.org](http://www.Harfordrecycles.org) which includes in-depth information on the importance of waste reduction and information regarding all the recycling programs available for County residents. The website is updated frequently to highlight seasonal programs and events such as Christmas tree recycling and grass cycling. The Harford County Reuse Guide is maintained on this website as well as a list of frequently asked questions. Brochures are available for Harford County residents both on the website and in print. Topics include grass cycling, single stream recycling, business recycling, textile and electronics recycling, used motor oil and antifreeze recycling, general recycling available at the HWDC, and mulch and compost information.

Social media has become a critical tool for outreach and education. The Office of Recycling maintains an active Facebook page <https://www.facebook.com/HarfordCountyRecycling> which encourages communication and engagement with residents and businesses concerning waste reduction and recycling opportunities. The Facebook page allows the Office of Recycling to post educational information, address questions, and promote recycling. Contests and giveaways are employed to encourage participation and discussion on the page.

### School Programs

Harford County Public Schools recognizes the importance of recycling, and as such, every fourth grade science class in the Harford County Public School system provides lessons designed to teach the importance of waste reduction and recycling. The Office of Recycling provides presentations, lessons, and activities to accompany the curriculum. This support extends to middle and high schools and school groups are also encouraged to visit the HWDC to see landfilling and recycling in action.

The Office of Recycling also supports school participation in the Maryland Association for Environmental and Outdoor Education (MAEOE) Green School Program. The Harford County Office of Recycling has been certified as a Green Leader to fully engage and assist with application completion, presentations, lessons and activities, teacher training, and coordinating/creating community partnerships for completion of outlined program objectives.

### **Community Programs**

Community outreach is another important aspect of public education. Community groups are encouraged to contact the Office of Recycling and schedule presentations and tours of the HWDC. In addition, the Office of Recycling participates in local special events, expos, fairs, and business events to highlight recycling.

### **Business Program**

Businesses are also encouraged to recycle through the Partners in Recycling program. This program recognizes businesses who are recycling with a display sticker, a listing on our website, and inclusion in media advertising. The Office of Recycling aids businesses looking to recycle in the form of waste assessments, educational materials, and training sessions in waste reduction and recycling. The Office of Recycling also reaches out to businesses and offers on-site visits to discuss business recycling opportunities and the result on their bottom-line. Businesses that are recycling are encouraged to apply for recognition through the annual Business Recycling Awards program. Awards are given to businesses who demonstrate a commitment to recycling and source reduction in their organization. Award winners receive a plaque during a public award ceremony and are included in an announcement through various media outlets.

Business recycling in Harford County is strictly voluntary. Unfortunately, many businesses do not recycle which is evident by significant quantities of recyclables observed entering the landfill for disposal. Whenever large quantities of recyclables are received, the County attempts to track the origin of the load and pinpoint the business that generated the recyclables. Some conversations with these business owners indicate that (1) the local trash collection companies market their services in ways that do not lessen the business owner's costs for recycling and/or (2) it is corporate policy not to recycle unless local government laws require recycling.

### **Parks and Recreation Programs**

As part of the Harford County Land Preservation, Parks, and Recreation Plan, the Department identified recycling and other conservation practices as part of the overall strategic plan. Working in partnership with Harford County Public Schools, Parks and Recreation began a pilot program to implement single stream recycling at all public school stadiums and then expanded the program to include all school sites as part of a County-wide implementation at all Department parks and facilities. Because of the successful partnership with Harford County Public Schools,

the Department of Parks and Recreation fully implemented single stream recycling at all parks, centers, offices, sports fields, and special events. Working in cooperation with the Harford County Office of Sustainability and the Division of Environmental Services, Recycling Office, Parks and Recreation purchased 400 additional recycling containers, lids, and signage to implement the “Recycling Just Like at Home” program.

### **Computer and Electronic Program**

The proliferation of computer and consumer electronics has resulted in continued growth in this portion of the U.S. waste stream. Electronic recyclables include computers, non-CRT computer monitors, computer peripherals, non-CRT televisions, stereophonic equipment, VCRs, DVRs, cellphones, and similar electronic products. Harford County has a contract in place with an eCycling vendor. Harford County intends to continue to offer this service to County residents and businesses in the future.

### **Household Hazardous Waste Program**

Household hazardous waste was collected from residents at four dedicated events during this reporting period. To be accepted, all items must be in containers with quantities normally found in retail stores. Items accepted included oil-based paints and stains, solvents, herbicides, pesticides, mercury thermometers, mercury containing thermostats, fluorescent light tubes and CFLs, pool chemicals, caustic cleaners, acids, and other items that may cause harm if not safely handled or applied.

**Maryland Environmental Service  
Harford County Roadside Litter Control Program  
Fiscal Year 2020**

		Litter Control	Lbs. of Solid Waste Collected	Lbs. of Recyclables Collected	Adopt-A-Road Miles	Adopt-A-Road Solid Waste Collected	Adopt-A-Road Recyclables Collected
Date	Tires	Miles	Collected	Collected	Miles	Collected	Collected
July-19	11	107.7	4429	820	13.6	540	25
August-19	15	45.5	3666	370	3.7	350	150
September-19	8	49.3	2791	331	7.9	451	72
October-19	48	65	5720	3108	18.0	1028	197
November-19	8	48.4	3924	285	8.4	1025	95
December-19	47	67.2	5445	1486	12.0	220	120
January-20	23	90.9	3697	1214	8.5	165	70
February-20	17	59.1	4349	2295	4.6	130	60
March-20	11	72.4	3653	1460	10.9	310	130
April-20	1	36.7	3455	838	7.7	440	220
May-20	14	45.7	3217	1197	10.4	180	160
June-20	55	35.9	7617	1376	0.5	290	280
<b>Totals</b>	<b>258</b>	<b>723.8</b>	<b>51963</b>	<b>14780</b>	<b>106.2</b>	<b>5129</b>	<b>1579</b>

Litter Control Miles	<b>723.8</b>
Adopt-A-Road Miles	<b>106.2</b>
<b>Total Miles For Fiscal Year</b>	<b>830.0</b>

Adopt-A-Road Signed Contracts **105**

Recyclables Collected in Lbs.	<b>14,780</b>
Adopt-A-Road Recyclables Collected In Lbs.	<b>1,579</b>
<b>Total Recyclables Collected In Lbs.</b>	<b>16,359</b>

Solid Waste Collected in Lbs.	<b>51963</b>
Adopt-A-Road Solid Waste Collected In Lbs.	<b>5,129</b>
<b>Solid Waste Collected in Lbs.</b>	<b>57,092</b>

**FY 2020 OUTREACH LOG**

Name	Date	# Participants	POC	Program Type
Harford Streams Poker Run	7/20/2019	300	Laura Coste	Outreach and Education-Recycling/Compost
Harford County Farm Fair	7/22/2019	200	Alice Archer	Outreach and Education-Recycling/Compost
Harford County Farm Fair	7/23/2019	200	Alice Archer	Outreach and Education-Recycling/Compost
Harford County Farm Fair	7/24/2019	200	Alice Archer	Outreach and Education-Recycling/Compost
Harford County Farm Fair	7/25/2019	200	Alice Archer	Outreach and Education-Recycling/Compost
Harford County Farm Fair	7/26/2019	100	Alice Archer	Outreach and Education-Recycling/Compost
Harford County Farm Fair	7/27/2019	400	Alice Archer	Outreach and Education-Recycling/Compost
Harford County 4-H Deer Creek Overlook	12/7/2020	200	Janet Archer	Outreach and Education-Recycling/Compost
Master Gardener Presentation	7/11/2019	50	Joyce Browning	Public Outreach
Master Gardener Presentation	9/5/2019	50	Joyce Browning	Public Outreach
Agriculture Night at Ripken Stadium	8/2/2019	500	Alice Archer	Public Outreach
Master Gardener Presentation	10/3/2020	50	Joyce Browning	Public Outreach
Master Gardener Presentation	11/3/2019	50	Joyce Browning	Public Outreach
Harford Community College Seniors Class	11/27/2020	25	Deb Harris	Public Outreach
Master Gardener Meeting	12/5/2020	50	Joyce Browning	Public Outreach
Master Gardener Meeting	1/9/2020	50	Joyce Browning	Public Outreach
Winter Agronomy Meeting- Farm Bureau	2/11/2020	200	Andy Kness	Public Outreach
Black Horse 4-H	3/3/2020	40	Janet Archer	Public Outreach
Master Gardener Zoom Meeting	4/22/2020	50	Joyce Browning	Public Outreach
Master Gardener Zoom Meeting	5/6/2020	50	Joyce Browning	Public Outreach
Master Gardener Zoom Meeting	6/4/2020	50	Joyce Browning	Public Outreach
Hickory Elementary School	9/26/2019	100	Amy Wolfe	School
Forest Hill Elementary	11/6/2020	300	Green School	School
Churchcreek Elem. Health & Wellness Night	1/14/2020	100	Church Creek Green Staff	School
Jarrettsville Elementary School	2/21/2020	300	David Hagen	School
Bakerfield Elementary School	2/24/2020	100	Kristina McGee	School
Cub Scout Pack 865 Den 3	9/21/2019	20	Wendy Preisinger	Tour
Childrens Manor Forest Hill	7/16/2019	30	Home School	Tour
Mom's Club of Harford County	8/29/2019	20	Tara Raromdo	Tour
Harford County Homeschool	9/30/2019	5	Ms. Martinez	Tour
Marielys Home School Group	10/21/2020	5	Home School	Tour
Cub Scout Pack 865 Den 3	11/1/2020	5	Wendy Preisinger	Tour
Girl Scout Troop 657	11/16/2020	20	Jenny Shafer	Tour
Homeschool Group	12/1/2020	15	Ashley Lovit	Tour
CM Wright Stem Team	3/11/2020	20	Linn Griffiths	Tour
		4055		

**FY 2020 OFFICE OF RECYCLING**

			# of Events	Participants
Outreach and Education			8	1,800.00
Public Outreach			13	1,215.00
School			5	800.00
TOURS			9	140.00
<b>Total Estimated Outreach</b>				<b>3,955.00</b>

<b>Advertising</b>			
Advertisements	4		
Social Media Posts	974		