



**2016 Annual Recycling and Waste Reduction Report**

**Montgomery County Public Schools**

**Report Filer**

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**Report statistics**

**Signed by:** John Meyer III  
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For these materials	Your 2016 Recycling Rate is
Required recyclable materials	41.8
Required + voluntarily recycled materials	77.2

**This Report covers:**

Employees	23429
Building space	25920951 square feet
Green area	3156 acres

**Required Recyclable Materials**

**Mixed paper: 6552060**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
8-cubic yard dumpster	251	2 per week	Potomac Disposal, Inc.	6552060 pounds

**Corrugated cardboard collected separately: 473460 pounds**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
30-cubic yard roll-off	1	1 per oncall	MULTIPLE HAULERS(EAI, ESI)	129240 pounds
30-cubic yard roll-off	1	1 per oncall	Georgetown Paper Stock of Rockville	344220 pounds

**Shredded paper collected separately: 55480 pounds**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
8-cubic yard dumpster	1	1 per oncall	CLEAN CUT SHREDDING/GEORGETOWN PAPER STOCK	55480 pounds

**White office paper collected separately: 56100 pounds**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
8-cubic yard dumpster	1	1 per oncall	Georgetown Paper Stock of Rockville	56100 pounds

**Commingled materials: 1439000 pounds**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
2-cubic yard dumpster	251	2 per week	Potomac Disposal, Inc.	1439000 pounds

**Scrap metal: 4580600**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
8-cubic yard dumpster	1	1 per oncall	Self-haul/backhaul - Montgomery County Recycling Center	18780 pounds
30-cubic yard roll-off	1	1 per oncall	Environmental Alternatives, Inc. (EAI)	3387140 pounds
30-cubic yard roll-off	1	1 per oncall	Cockey's Enterprises, Inc.	165560 pounds
30-cubic yard roll-off	1	1 per week	Montgomery Scrap	911800 pounds
30-cubic yard roll-off	1	1 per oncall	Multiple Haulers(Best Battery,Jasper,KNeal,Johnson Towers)	97320 pounds

**Yard trim (grass / leaves / brush / garden trimmings): 1332480 pounds**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
8-cubic yard dumpster	1	1 per oncall	Self-haul/backhaul - Montgomery County Recycling Center	982280 pounds
30-cubic yard roll-off	1	1 per oncall	MEAD TREE & TURF	240000 pounds
30-cubic yard roll-off	1	1 per oncall	Barlett Tree Experts	55000 pounds
30-cubic yard roll-off	1	1 per oncall	Takoma Tree Experts, Inc.	55200 pounds

**Voluntary Recyclable Materials****Antifreeze: 33620 pounds**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
50- or 55-gallon container	1	1 per oncall	Heritage-Crystal Clean LLC	33620 pounds

**Batteries (lead-acid / rechargeable): 58760 pounds**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
Other	1	1 per oncall	Tri-State Battery	30840 pounds
Other	1	1 per oncall	Best Battery Co Inc.	27920 pounds

**Cell phones: 240 pounds**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
Other	1	1 per oncall	CALL2RECYCLE	240 pounds

**Construction / Demolition debris (drywall / bricks / concrete / asphalt / etc.): 53171320 pounds**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
30-cubic yard roll-off	1	1 per oncall	D.C. Material Inc	244000 pounds
30-cubic yard roll-off	1	1 per oncall	Potomac Disposal, Inc.	73580 pounds
30-cubic yard roll-off	1	1 per oncall	Environmental Alternatives, Inc. (EAI)	24167280 pounds
30-cubic yard roll-off	1	1 per oncall	Enviro Solutions Inc	1726700 pounds
30-cubic yard roll-off	1	1 per oncall	Cockey's Enterprises, Inc.	26886180 pounds
30-cubic yard roll-off	1	1 per oncall	Waste Management of Maryland	73580 pounds

**Crayons: 12000 pounds**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
Other	1	1 per oncall	Self-haul/backhaul - Local Distribution to Families	12000 pounds

**Electronic waste (computers / printers / monitors / cords / disks / CDs / DVDs / etc.): 171286 pounds**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
Other	1	1 per oncall	Self-haul/backhaul - None-Computers/High Volume Copier are refurbished/repurposed/donated	73220 pounds

Other	1	1 per oncall	SYCAMORE INTERNATIONAL	98066 pounds
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**Lights (fluorescent tubes / bulbs / ballasts / LED lights): 11760 pounds**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
Other	1	1 per oncall	Waste Stategies Solutions	10400 pounds
Other	1	1 per oncall	Veolia Enviromental Services	1360 pounds

**Oil (cooking / grease): 23100 pounds**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
Other	1	1 per oncall	Valley Proteins	200 pounds
Other	1	1 per oncall	Revolution Biofuels	22900 pounds

**Oil (motor): 116040 pounds**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
4-cubic yard dumpster	1	1 per oncall	Heritage-Crystal Clean LLC	116040 pounds

**Tires: 89320 pounds**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
30-cubic yard roll-off	1	1 per oncall	Emmanuel Tire Co	26000 pounds
30-cubic yard roll-off	1	1 per oncall	S&S Tire Service	63320 pounds

**Toner / Ink / Fax / Printer cartridges: 45400 pounds**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
Other	1	1 per oncall	Environmental Office Solutions	32220 pounds
Other	1	1 per oncall	Waste Strategies	13180 pounds

**Trash****Trash: 20180920 pounds**

Container type	# of containers	Pickup freq	Hauler/Collector	Quantity
30-cubic yard roll-off	1	1 per oncall	Self-haul/backhaul - Montgomery County Shady Grove Processing Facility and Transfer Station	18249260 pounds

30-cubic yard roll-off	1	1 per oncall	Cockey's Enterprises, Inc.	287840 pounds
30-cubic yard roll-off	1	1 per oncall	Waste Management of Maryland	204140 pounds
30-cubic yard roll-off	1	1 per oncall	Environmental Alternatives, Inc. (EAI)	1439680 pounds

## Education

EDUCATION & OUTREACH: Montgomery County Public Schools (MCPS) is committed to environmental sustainability and preserving natural resources, and has integrated sustainability lessons into the curriculum. In April of 2014, MCPS published its first formal Environmental Sustainability Management Plan (ESMP) which clearly listed its accomplishments up to that point and charted a course with both short and long term goals in order to continue the efforts of being environmentally responsible. The ESMP was updated in 2016 to capture the progress in the past two years. In 2016, Sligo Middle School received the US Department of Education's Green Ribbon School Award. In fact, five MCPS schools have received the National Green Ribbon School Award since its inception in 2012. MCPS was the recipient of the District Sustainability Award in 2013. In addition, 11 schools received new Maryland Green School Certification in 2016 and to date 81 MCPS schools are Maryland Green School certified. The SERT program continues to actively promote and conduct a variety of contests which are targeted to increase environmental conservation awareness among the students and staff. These contests and recognitions help to encourage healthy competition among students and schools as well as incentivize schools to continue best management practices. Some of the contests which were held in 2016 include the following: The "Watt's Up? Poster Contest" is held annually and is open to all students and staff. Over 120 entries were received in 2016 and winners are chosen from five different categories; K-2, 3-5, 6-8, 9-12, and staff. Several of the winning posters are reproduced and distributed to schools to demonstrate the talents of our students and staff while encouraging others to be responsible stewards of the earth through the messages of the winning posters. The posters were also on display at the Rockville branch of the Montgomery County Library system during the summer. The "Lead By Example-Walk it, Talk it" Campaign targets middle and high schools and challenges them to identify opportunities to improve energy conservation and recycling participation in their schools. In 2016, five schools participated in this contest. In addition to contests, the SERT program conducted several outreach projects to promote sustainability in the schools. Through the "Energy & Recycling Assembly," the SERT program staff helps the students and staff to understand the importance of energy conservation and recycling through involvement of students in a play. During classroom "Read A-louds" the SERT program staff reads books on energy conservation and recycling to classes and then leads a short question and answer period about the content. Maryland Green School Training is a program where the SERT team provides training to schools to assist them in achieving Maryland Green School Certification. The SERT program also participates in school staff meetings and green team meetings to encourage students and staff with their efforts to promote environmental sustainability.

## Waste Reduction/Reuse

Waste Reduction/Reuse Montgomery County Public Schools (MCPS) emphasizes to reduce, reuse and recycle. The SERT program holds an annual "Got Paper?" Contest during the entire month of June each year to capture all the recycling which is generated with the year-end clean-up of student's lockers, teacher's desks, and the school in general. A total of 656 tons of paper was captured during the contest in June, 2016. As an incentive, top performing schools are given annual recycling award to encourage them to continue their efforts and motivate others to do the same. A total of 42 schools received this award in 2016. The Division of Maintenance salvages several thousand tons of items and equipment from schools designated for revitalization. Examples include EMS controls, trash compactors, water fountains, stage curtains, air compressors, backup emergency generators, door locks & closers, kitchen equipment, faucets and sinks, hot water heaters, backflow preventer valves, lighting, transfer switches, water circulating pumps, door openers, and electrical breaker panels. The Office of Chief Technology Officer (OCTO) continues to refurbish electronics to be reused in schools and offices. In 2016, over 2,000 computer CPUs, 604

monitors, and 738 other electronics were refurbished and returned to service. Many of these computers were refurbished with parts salvaged from other computers. OCTO continues to provide schools with Google Chromebooks. Since the initial rollout in 2014, approximately 87,000 Chromebooks have been provided to schools. The increased use of technology and electronics significantly reduces the use of paper in schools. The MCPS Editorial, Graphics & Publishing Services (EGPS) refurbished over 72 high volume copiers. Many of these previously used copiers were purchased at a low cost and refurbished with salvaged parts from copiers which were taken out of service. These efforts are not only environmentally friendly but also help to reduce the operating expenses during these difficult budgetary times. MCPS continues to donate books to The World Bank Book Project, where books are sent to be used in countries around the world that need them most. In 2016, over 8,000 pounds of books were donated for this project. The Office of Student Affairs sponsors a yearly "Drive for Supplies" event. These school supplies come from MCPS students and staff, who collect and donate new or gently used school supplies as they clean out lockers, desks and closets at the end of the school year. In 2016, 81 schools participated in this event with 64 student volunteers and 12,000 pounds were collected. The SERT program staff encourages students and staff to bring waste free lunches or to recycle lunch items properly during "Let's Do Lunch Outreach" at schools. As a result of the combination of these efforts, MCPS was able to only have a 6% solid waste increase in 2016, despite the increase in student enrollment. This marks the ninth consecutive year that our enrollment has increased by at least 2,000 students each year.

**Businesses/Properties covered by this Report**

<b>Business/Property Name</b>	<b>Business / Property Address Onsite contact Property Management Company</b>
Montgomery County Public Schools	45 Gude Dr 4000 Rockille MD 20850 Richard Benjamin, Ph: 240-314-1090 Ext: Montgomery County Public Schools, Ph: 240-314-4708 Ext:

Report submitted to  
 Montgomery County, Maryland  
 Division of Solid Waste Services, Department of Environmental Protection  
 101 Monroe Street, 6th Floor, Rockville, Maryland 20850  
 Multi-Family Recycling Program: 240-777-6446 · Non-Residential Recycling Program: 240-777-6486  
[www.montgomerycountymd.gov/recycling](http://www.montgomerycountymd.gov/recycling)

