

Rockville United Church Waste Reduction and Recycling Overview



DEPARTMENT OF
ENVIRONMENTAL PROTECTION
MONTGOMERY COUNTY • MARYLAND

What's the Best Thing to Do?

•Reduce and Reuse!

- Use both sides of paper
- Donate unwanted books and toys
- Use reusable bags, containers, cups and utensils
- Make your own crafts
- Buy only what you need
- Have a yard sale
- Donate good clothing and household items to your favorite charitable organization



•Then, Recycle!

What Can Be Recycled?



Montgomery County – Dual Stream Recycling

Rockville – Single Stream Recycling



Mixed Paper – All Clean, Dry Paper

Paperboard and cardboard boxes



Newspaper and inserts



Unwanted mail, envelopes, office paper, magazines, phone books, books, etc.



Coated paper items



Shredded paper

Bottles – Jars – Cans All Recyclable Containers



Plastic bottles, tubs, jars, containers, pails, buckets, flowerpots, caps/lids, clamshell containers, trays, and more

Glass bottles and jars



Bi-metal (steel/tin) and empty non-hazardous aerosol cans



Aluminum cans, foil, and foil products

What Types of Plastics Can I Recycle?




PET


HDPE

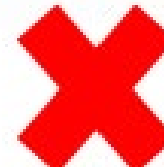

PVC


LDPE


PP


PS


OTHER



How to Manage Other Plastics

- Plastic bags, film, and shrink wrap
 - Keep these out of your recycling bins
 - Take back to most local grocery stores & some retail stores
- Rigid plastics
 - Drop-off for recycling at the Shady Grove Processing Facility/Transfer Station
- Look for products packaged in minimal packaging



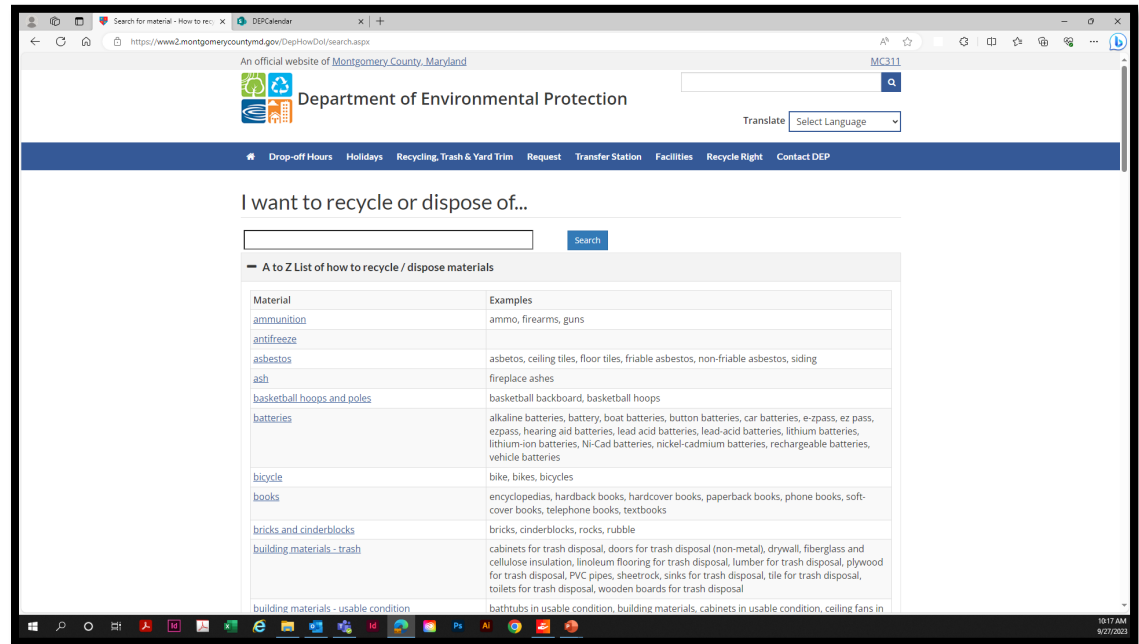
Now you can recycle **even more** materials at Montgomery County's Transfer Station!

Recycle Bulky Rigid Plastics including:

 Toys	 Household Items
 Containers	 Building/Construction Materials
 Gardening & Landscape Items	 Other Items

Lots More!

- Scrap metal
- Yard trim
- Christmas tress
- Bulky, rigid plastics
- Electronics
- Motor Oil
- Antifreeze
- Tires
- Batteries
- Textiles and clothing
- Reusable building materials
- HHW (household hazardous waste)
- Small tanks and cylinders of compressed gases



[MontgomeryCountyMD.gov/Recycling](https://montgomerycountymd.gov/Recycling)

NEW – Durable Medical Equipment Reuse



NEW – Mattresses and Box Springs

NEW

Mattress & Box Spring Recycling Now Available @ Montgomery County Shady Grove Processing Facility & Transfer Station

DYK that 55,000+ mattresses are estimated to be thrown away each year in the U.S.?

Starting today, May 1, 2023, we now recycle mattresses and box springs in Montgomery County!



NEW – More Textiles

What We Accept for Recycling

Linens, including but not limited to:

- Aprons
- Blankets
- Cloth napkins
- Cloth cleaning rags
- Comforters, duvets and duvet covers
- Curtains, drapes and draperies
- Fitted and flat sheets
- Kitchen linens (dish cloths and rags)
- Pillowcases and linens
- Placemats
- Table linens and runners
- Quilts



NEW – More Electronics

Expanded Electronics Recycling at the Montgomery County Shady Grove Processing Facility & Transfer Station

RECYCLE MORE!



Now Recycle
Even MORE
Electronics!



AIMING FOR ZERO WASTE!

Batteries



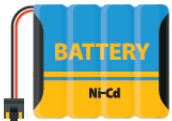
- **Alkaline**
Alcalina 鹼性電池



- **Rechargeable**
Recargable
充電式電池

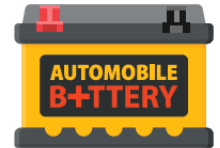


- **Lithium**
De litio 鋰電池



- **Lithium-Ion**
De iones de litio 鋰離子電池
- **Nickel-Cadmium**
De níquel-cadmio 鎳鎘電池

- **Car Batteries**
Baterías para automóviles 汽車電池



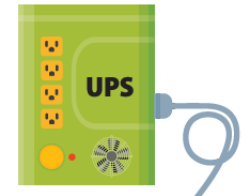
- **Tool Batteries**
Baterías de herramientas 工具電池



- **Lithium-Polymer**
De polímero de litio 鋰聚合物電池



- **Uninterruptible Power Supplies**
Fuentes de alimentación ininterrumpidas
不間斷電源系統



BATTERIES CAN SPARK FIRES.
They don't belong in the trash or recycling!

[LEARN HOW TO DISPOSE SAFELY](#)

GOrecycle

NEW – Food Scraps Recycling Pilots and Backyard Composting of Food Scraps

Single-Family Residential Food Scraps Recycling Collection Pilot

- Solicit volunteer households from three areas (portion of Silver Spring, Potomac and Bethesda/Rockville)
- Distribute food scraps recycling starter kits
- Provide weekly curbside recycling collection of food scraps
- Transport food scraps for processing



Backyard Composting – Rodent-Proof Compost Bin

- Identify and test rodent-proof backyard compost bins
- Develop and provide educational materials
- Solicit partners to test rodent-proof backyard compost bins



What Happens to Recyclables?



Contaminants Removed



Materials Sorted by Hand



More Sorting



Materials are Baled

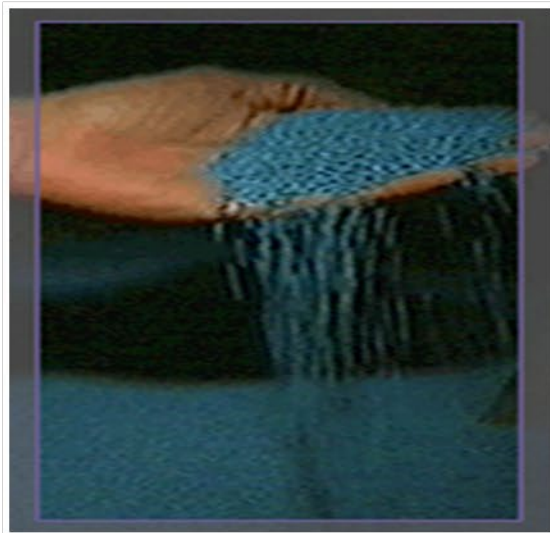
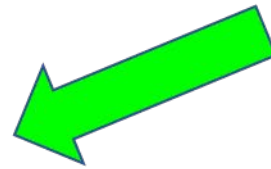


Recycling Markets

- What happens to recyclable materials after they are sorted?



What Happens to Plastics?



What Happens to Glass?

- Recycled glass is called cullet.
- Cullet is combined with soda ash, limestone and sand,
- Mixture is heated to a temperature of 2600° to 2800°F
- Liquid is formed into bottles



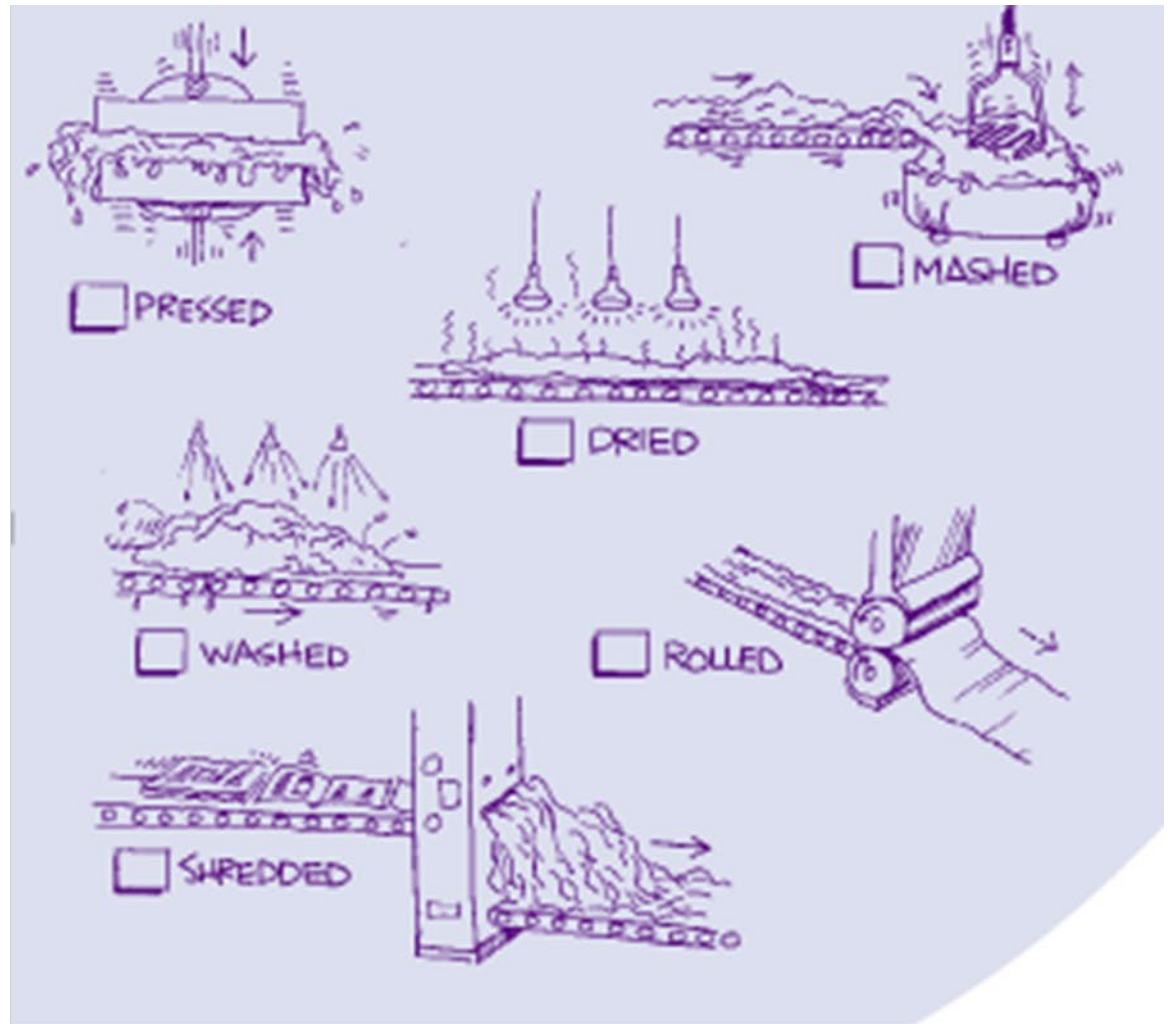
What Happens to Cans?



What Happens to Paper?

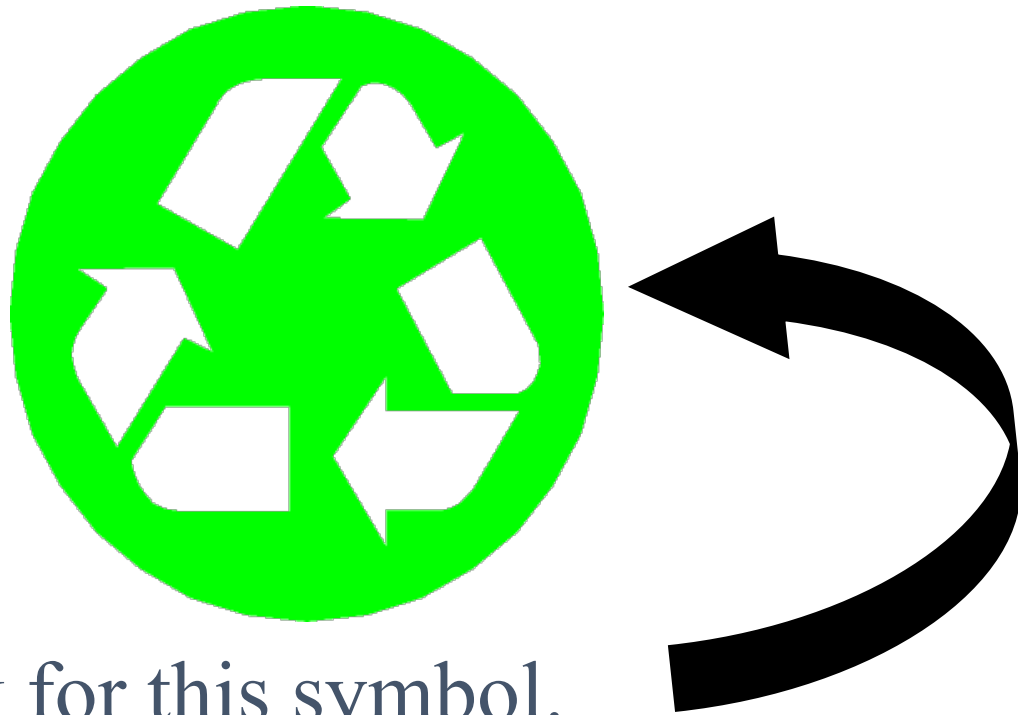


- Paper is chopped and mixed in water to form a pulp
- Chemical removes dye
- Mixed with more wood fibers



Finally. Close the Loop.

Buy Recycled Products



Look for this symbol.

Recycled-Content Items



5 water/soda bottles



35 water/soda bottles



1 square yard = 36 water/soda bottles



Questions?

Montgomery County Department of Environmental Protection
Recycling and Resource Management Division

Alan Pultyniewicz

Chief, Recycling and Refuse Services Section

240-777-6480

Alan.Pultyniewicz@MontgomeryCountyMD.gov



**DEPARTMENT OF
ENVIRONMENTAL PROTECTION**
MONTGOMERY COUNTY • MARYLAND