

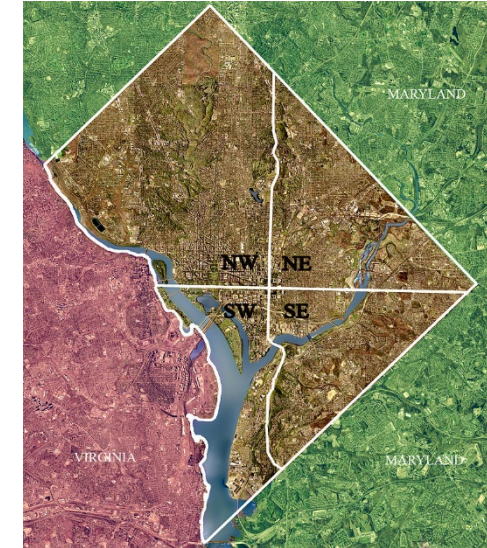


DC RECYCLING OUTREACH

Department of Public Works • EPA Sustainable Materials Management Web Academy
January 25, 2018



SUSTAINABLE DC



681,170 Residents & Growing

313,718 Households (1/3 serviced by DPW)

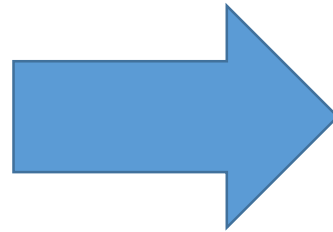
5M+ Regional Population

68 square miles

Bisected by two rivers

FY 16 DISTRICT WASTE SNAPSHOT

Residential
Diversion Rate
22.98%



Citywide Diversion
Rate Goal
80%

ZERO WASTE LEGISLATIVE REQUIREMENTS



SUSTAINABLE DC OMNIBUS AMENDMENT ACT OF 2014

1

January 1, 2016: Expanded polystyrene food service ware banned

2

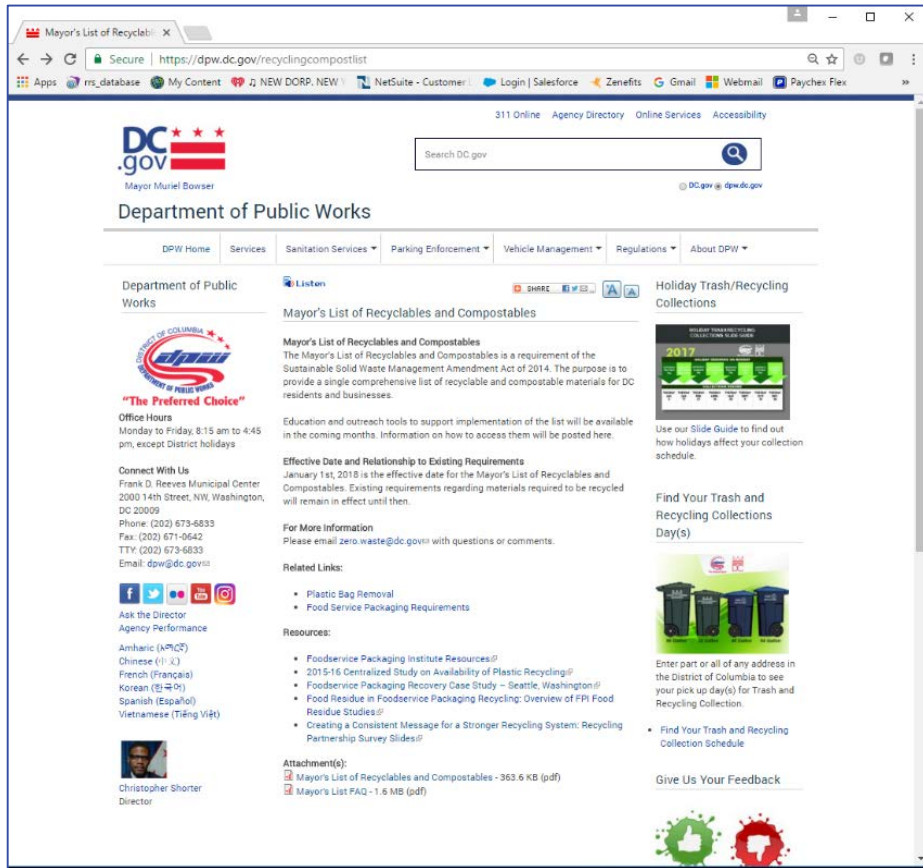
January 1, 2017: Disposable Food service* ware must be compostable or recyclable

* Applies to containers, bowls, plates, trays, cartons, cups, lids, straws, forks, spoons, knives, napkins, and other items that are designed for one-time use for beverages, prepared food, or leftovers from meals prepared by a food service business.

ZERO WASTE LEGISLATIVE REQUIREMENTS

MAYOR'S LIST OF RECYCLABLES AND COMPOSTABLES

- A requirement of the Sustainable Solid Waste Management Amendment Act of 2014
- Must be reviewed every 2 years or less
- Provides a single comprehensive list of recyclable and compostable materials for DC residents and businesses.
- **Effective Date:** January 1st, 2018



DEVELOPING THE MAYOR'S LIST: MRF SURVEYS & IDENTIFYING THE VOCABULARY

Recycling Partnership Survey Template



recyclingpartnership.org
cmarshall@recyclingpartnership.org

ACCEPTABLE MATERIALS WORKSHEET

Please go through each item on the list and check whether the item is acceptable or not acceptable. This document will be used to get the local governments and the MRF on the same page. It can set the framework for front line staff (employees answering the phone or driving the collection vehicles) to better inform the community. It also provides the framework to start building educational materials that are consistent throughout the community.

You will see two categories under the "Do Not Accept" column. Here is how they are defined:

Not Dangerous: Item is not sent to a market for recycling, but does not cause any major problems if found in the stream.

Dangerous: Item can shut down or damage equipment, harm employees, and/or degrade the value of material.

PAPER PRODUCT	ACCEPT	DO NOT ACCEPT		DO NOT WANT ON LIST BUT ACCEPT
		NOT DANGEROUS	DANGEROUS	
OCC	☐	☐	☐	☐
Pizza Boxes	☐	☐	☐	☐
Newspaper	☐	☐	☐	☐
Magazines	☐	☐	☐	☐
Hard Cover Books	☐	☐	☐	☐
Paperback Books	☐	☐	☐	☐
Office Paper	☐	☐	☐	☐
Junk Mail	☐	☐	☐	☐
Cartons (gable top containers like milk, orange juice, etc)	☐	☐	☐	☐
Shredded Paper	☐	☐	☐	☐

www.recyclingpartnership.org

Recycle Your Plastics Terms & Tools

TERMINOLOGY (Click on blue terms for APR Model Bale Spec)	DEFINITIONS
PET & HDPE Bottles	PET & HDPE Bottles
Commingled Plastic Bottles	The market mix of bottles: Primarily PET and HDPE bottles with some other bottles
Tubs & Lids	Non-bottle rigid household containers - primarily PP and PE, No bulky rigid plastic
Tubs & Lids: with Bulky	Tubs and lids; Bulky rigid plastic (includes buckets, totes, crates, lawn furniture, carts, storage bins) - primarily PP and PE
PE/PP Bottles, Containers & Bulky	PE & PP bottles and containers; Bulky rigid plastic (includes buckets, totes, crates, lawn furniture, carts, storage bins)
Mixed Clamshells	A mixture of PET, PS, PVC, PLA thermoformed containers: trays, cups, clamshells, boxes
Bulky Rigid Plastic	Primarily PE and PP (includes buckets, totes, crates, lawn furniture, carts, storage bins and other large items)
Pre-picked Rigid Plastic: No Bulky	Bottles and containers with the PET & HDPE bottles removed; includes Non-PET and non-HDPE household bottles and all non bottle containers (thermoform packaging, cups, trays, clamshells, tubs and lids)
Pre-picked Rigid Plastic: with Bulky	All rigid plastic with PET and HDPE bottles removed; includes non-PET and non-HDPE household bottles, all non bottle containers (thermoform packaging, cups, trays, clamshells, tubs and lids), and Bulky rigid (includes buckets, totes, crates, lawn furniture, carts, storage bins and other large items)
All Rigid Plastic: No Bulky	All bottles and containers (includes thermoform packaging, cups, trays, clamshells, tubs and lids)

www.recycleyourplastics.org

DEVELOPING THE MAYOR'S LIST



1. A survey of eight regional MRFs was performed for over 70 product types.
2. MRFs were asked to indicate which materials they accept, accept but do not want, or reject.
3. Materials added to the list were accepted by the majority of MRFs in the region. Materials removed from the list were not accepted or not desired by a majority of these facilities.

FOODSERVICE PACKAGING: MAIN CHANGE IN MATERIALS REQUIRED TO BE RECYCLED

****All Materials should be clean & empty****



PLASTIC ITEMS REQUIRED TO BE RECYCLED

Recyclable Plastic Products that are rigid plastic, made solely of one of the following resin types listed and are one of the following product types:

Resin Types

- Polyethylene terephthalate (PET),
- High-density polyethylene (HDPE),
- Low-density polyethylene (LDPE),
- Polypropylene (PP),
- Polystyrene (PS)



Product Types

- Soda, Water, & Other Plastic Drink Bottles
- Food & Household Plastic Bottles/Jars
- Plastic Tubs & Lids
- Plastic Produce, Deli, & Bakery Containers, Cups, & Trays
- Plastic Non-food Containers & Packaging
- Bulky Plastic Items
- Plastic toys (no metal or electronic components)
- Plastic containers



ITEMS TOO SMALL FOR MRF CAPTURE

“Items smaller than two inches in diameter or in any two dimensions that are made of the materials listed above may not be recyclable using the District recycling program but may be recyclable by using special private recycling programs, and therefore may be utilized by food service entities regulated under the Sustainable DC Omnibus Act of 2014, as amended (DC Code 8–1533.). “



PLASTIC BAGS, FILM, WRAPS NO LONGER ACCEPTED IN COMMINGLED RECYCLING

Plastic Bags, Film, Wraps no longer accepted in commingled recycling

1. Bags of Bags - **NOT OK**
2. Clear Bin Liners for Commercial Recycling - **OK**
3. Bin liners for Residential Recycling - **Not OK**

Recycling of plastic film through store drop off encouraged through web and social media.



DEVELOPING OUTREACH MATERIALS BASED ON MAYOR'S LIST

- Terminology, Images & Strategy informed by:
 - Recycle Your Plastics
 - Foodservice Packaging Institute
 - The Recycling Partnership
 - Leading Municipalities



<https://tools.recyclingpartnership.org>

6 STEPS TO FIGHT CONTAMINATION

1. BEFORE YOU DO ANYTHING, A MRF MEETING IS A MUST.	●
You may think you know the biggest contaminate, but chances are your MRF might have a different list of bad actors. Set up a meeting and hit on these three topics: • First, use this survey to easily guide your discussion and narrow out the five main materials causing problems. • This is also a good time to check in and make sure they're accepting the same things your outreach materials call for. • Finally, ask them to assess your contamination rate as specifically as possible, now and regularly in the future. Details matter! Set a baseline contamination rate so you can measure against it later. Remember you want to be able to track progress!	
2. NAME YOUR TOP ISSUE.	●
3. RALLY THE TROOPS.	●
4. MAKE A COMMUNICATION PLAN.	●

Terms & Tools



Commodity Terms

We developed the following commodity terms in partnership with a plastic recycling advisory committee and the Association of Plastic Recyclers (APR). Use these terms to communicate with your peers and material recovery facilities (MRFs) about plastics that you collect for recycling.

These commodity terms include the most recent updates from APR and the Institute for Scrap Recycling Industries (ISRI). The terms are organized by material type and are available in both English and Spanish.



<https://www.recycleyourplastics.org>

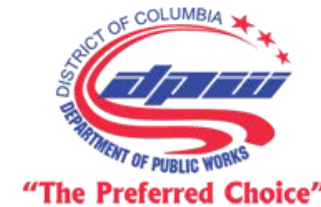
The screenshot shows the FPI website with a navigation bar and a section titled 'Foodservice Packaging Recovery Toolkit'. The toolkit description states: 'Recovering Foodservice Packaging (FSP) can have substantial benefits in cost-saving waste reduction, revenue generation, reduction of environmental impact and positive expectations from residents and customers. No matter what role you play in recovering foodservice packaging, this Toolkit has something for everyone.' It also mentions: 'This Recovery Toolkit presents lessons learned in successful recovery of foodservice packaging. It is a comprehensive resource on what foodservice packaging is currently being recovered, collected, processed and marketed. Let's get started!'

Below the text are five images with labels: 'Foodservice Operators', 'Communities', 'Materials Recovery Facilities', 'End Markets', and 'Composting & Anaerobic Digestion Facilities'.

<http://www.recyclefsp.org/>

DEVELOPING OUTREACH MATERIALS BASED ON MAYOR'S LIST

- Input & Feedback from:
- Sister agencies with waste responsibilities
- Trade associations
- Local environmental community
- Local businesses through webinars held for each business sector



IMPROVING RECYCLING THROUGH EDUCATION

Residential & Commercial Mailers in 7 Languages



Magnets



Signage



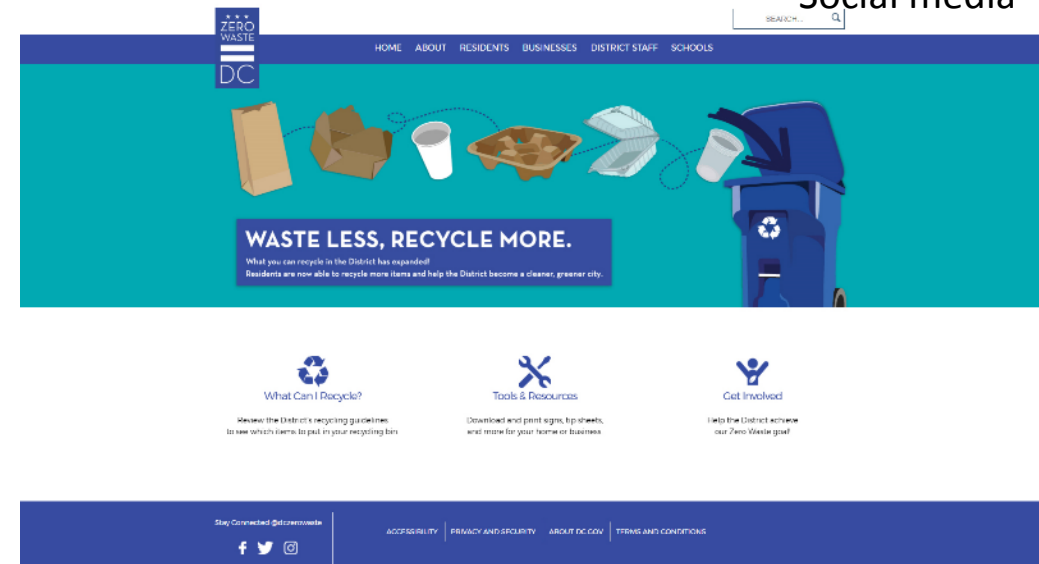
Advertising & Media Push



City wide outreach

- Letter notifications
- Webinars
- Press conference
- Council & community outreach
- Street teams
- Social media

Website [\(LINK\)](#)



ONLINE RESOURCES



DISTRICT RECYCLING GUIDELINES

Effective
January 1,
2018

Starting January 1, 2018, the list of items that are required to be recycled is growing.

Accepted Items

PAPER

Flattened Corboard
Cups & Containers
Milk, Juice & Soup Cartons
Newsletters/Magazines
Books/Phone Books
Junk Mail & Office Paper
(all items clean & empty)
**No Tissue*



PLASTIC

Bottles, Cups,
Containers & Lids
(all items clean & empty)
**No Plastic Bags
*No Foam Polystyrene
No Straws or Utensils



METAL

Steel & Aluminum
Bottles/Cans/Containers
(all items clean & empty)
**No Paint Cans*



GLASS

Glass Bottles /Jars
(all items clean & empty)
**No Utensils, straws, small
dressing or condiment caps.
or Ceramics*





How to Prepare Your Recyclables

Recyclables should be clean & empty.

Do not bag recyclables.
Leave loose in container.
TIP: Return plastic grocery bags to participating stores for recycling.

No Items smaller than 2" x 2".
**No utensils, straws, small dressing or condiment caps.*

Include only listed items.
Questions? Visit
dpw.dc.gov/recyclingcompostlist



THE DC DEPARTMENT OF THE ENVIRONMENT
"The Preferred Glass"

WE ARE
COMPOSTING



WE ARE
COMPOSTING



The District is committed to achieve zero waste through waste diversion and reduction.
<http://dpw.dc.gov/recyclingcompostlist> | Zero.Waste@dc.gov

DISTRICT RECYCLING

Effective January 1, 2018

★★★ The list of items that are required to be recycled is growing.

Recycling Requirements

See back for new guidelines

Supply accessible recycling containers.

Communicate information annually including how and what to recycle.

Post sign showing what to place in recycling bin.

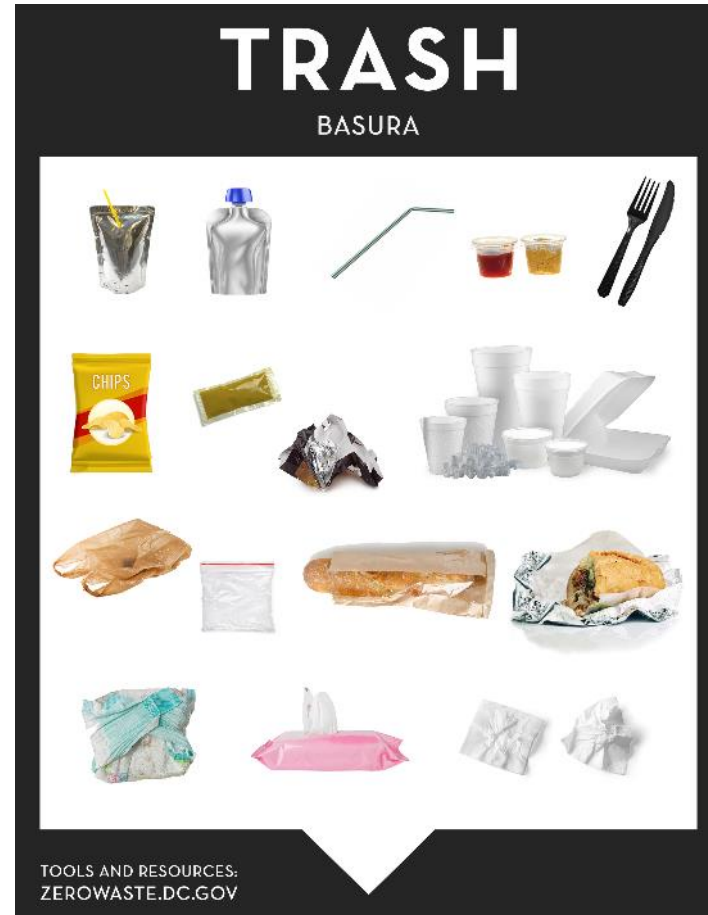
Recycling requirements apply to commercial, government, and residential properties.

- Office Properties
- Industrial Facilities & Warehouses
- Government Buildings
- Retail Stores and Malls
- Religious Buildings
- Mixed-use Properties
- Grocery Stores
- Private/Charter/Public Schools
- Other Large Venues (e.g. Museums, Sports Arenas, Convention Centers)
- Food & Beverage Establishments
- Colleges and Universities
- Medical Facilities
- Apartments & Condos
- Hotels, Motels, Inns
- Assisted Living Facilities

The District is committed to achieve zero waste through waste diversion and reduction.

<http://dpw.dc.gov/recyclingcompostlist> | Zero.Waste@dc.gov

ONLINE RESOURCES



THANK YOU

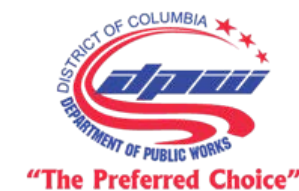


Email: Zero.Waste@dc.gov

Website: zerowaste.dc.gov



@dczerowaste #ZeroWasteDC



DISTRICT DEPARTMENT OF PUBLIC WORKS