

Waste Reduction & Recycling Programs

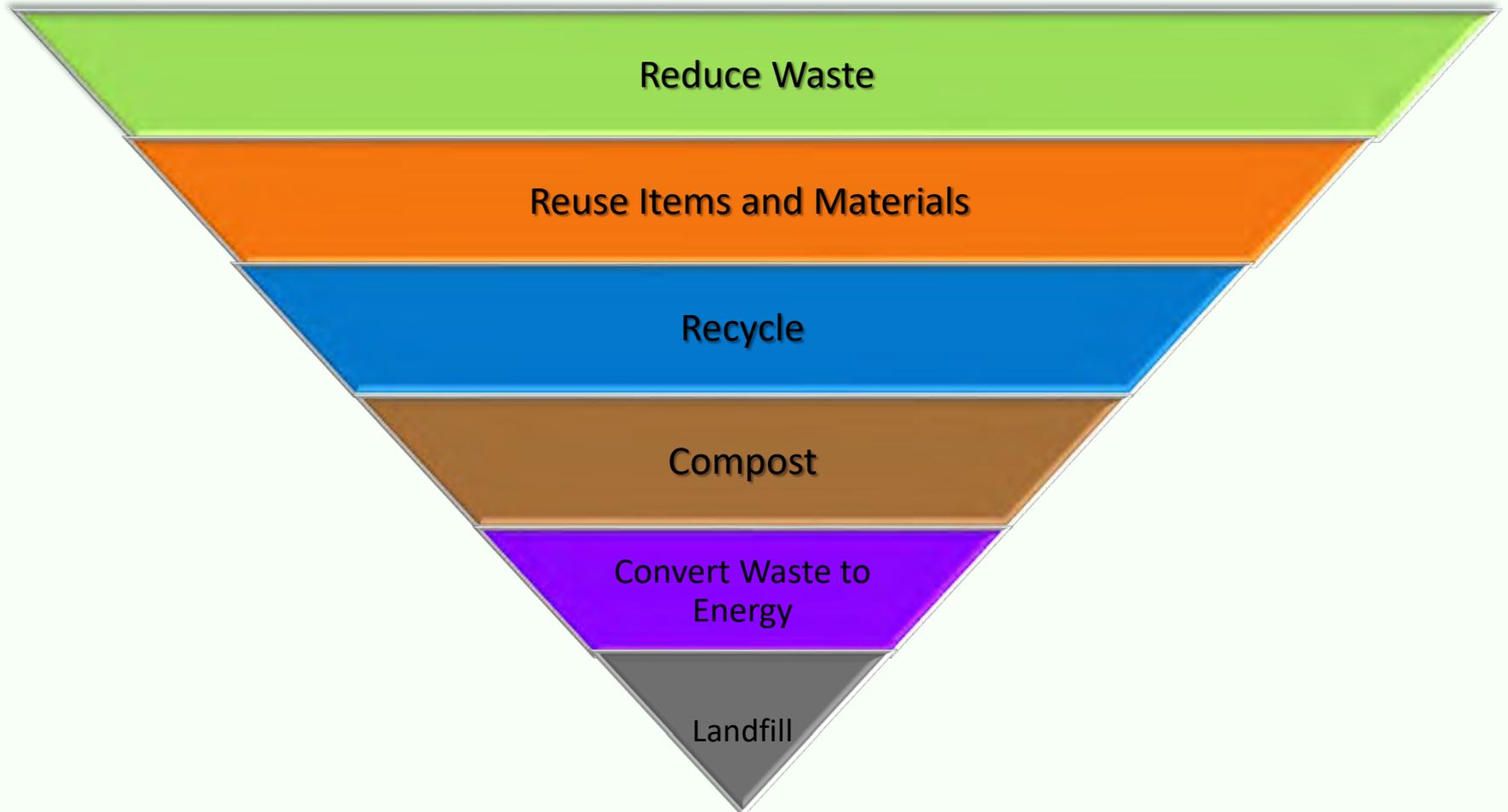


Waste Reduction & Recycling Section
July 17, 2018

Recycling in Montgomery County

- Program began in 1970
- County began long-range planning for recycling on April 16, 1971
- Curbside collection of recycling began in 1979
- Business recycling began in 1983
- County's recycling program has continuously expanded over time ever since

Solid Waste Management Hierarchy



Waste Reduction Policy 1993

MONTGOMERY COUNTY POLICY ON



WASTE REDUCTION

Introduction. In carrying out its solid waste management responsibilities, Montgomery County has implemented numerous recycling and composting programs that have successfully reduced its reliance on traditional waste disposal.¹ Specifically, these programs include County-wide curbside collection of recyclables, development of a commercial recycling strategy, multi-family recycling, recycling education programs, and a leading municipal yard waste composting program. While these programs continue to grow, the County also believes it is important to explore, expand and promote additional innovative and promising solid waste activities. One such area being explored by a growing number of communities is municipal solid waste reduction.

Waste reduction – also called source reduction – is the design, manufacture, purchase and use of materials or products (including packaging) in ways that reduce their amount and/or toxicity before they enter the municipal solid waste stream. It is founded on the premise that it makes more sense to prevent waste than to manage it. The major benefit of waste reduction is in pollution reduction and resource conservation, but it has other practical and important benefits, such as conservation of waste management capacity (e.g., landfill space) and reductions in waste handling and disposal costs.

Policy Statement. In 1990, Montgomery County made source reduction a priority by placing it at the top of the County's hierarchy for solid waste management and stating that all waste reduction measures within the County's power should be implemented.² In December 1992, Montgomery County reaffirmed its commitment to waste reduction by assuming a zero percent annual growth in solid waste disposal per household and per employee.³ While the County has been pursuing a number of waste reduction-related activities, it is now ready to incorporate waste reduction into its integrated solid waste program as a specific program element. With this policy, the County establishes an organized program of reduction activities, and will search for opportunities to incorporate waste reduction into ongoing and future efforts.

The initial emphasis will be on voluntary participation and creating waste reduction opportunities, supported through education, public outreach and technology transfer. However, the County will not neglect

Solid Waste Management Hierarchy



¹ Solid waste as defined by its ability to be reused or more suitably solid waste disposal, has a reduced commercial, non-municipal residual generated, which is composted. This does not include municipal solid waste, agricultural waste or sewage sludge.

² Resolutions 11-3115, Amendments to the Comprehensive Solid Waste Management Plan, July 1990.

³ Resolution 12-915, Amendments to the Comprehensive Solid Waste Management Plan, December 1992.

be necessary to support a that some waste reduction Federal level, Montgomery activities at those levels as

jectives. In the course of its comprehensive recycling orientation and technical assistance programs around the nation, information is available for waste reduction is not widely available in many communities. Therefore, the implementation by laying out a formal framework, the County will encourage sectors of the County involved in waste management. The framework is to achieve the following goals:

Per Household and Per Employee

Principal waste reduction goal is to reduce the amount of waste each resident generates and the per employee generation of (residential) waste over time. A major goal includes the reduction in the amount and toxicity of the waste generated, and the reduction in the toxicity of the waste generated used for disposal.

to quantify waste reduction on a regular basis. Where possible, the County will encourage the establishment of actual programs to accurately measure the amount of waste that is not produced. In the interim, then, because individual and corporate consumers can more easily assess their wastes and waste-generating practices, the County encourages individuals, businesses and organizations to set their own goals.

2. Expand Waste Reduction Information and Programs

Education and information development are priorities of the County's waste reduction policy. Toward that end, the County will gather and develop educational, public outreach, and technical materi-

als and information for citizens and organizations of the County and techniques that have been used in other parts of the country will be identified for application in Montgomery County. Importantly, the County will implement innovative and reduction programs.

Widespread participation in a county-wide waste reduction program. It is, therefore, important to make efforts to understand waste they generate and to reduce opportunities available to private citizens can identify reduction activities to pursue. These activities include altering purchasing packaging waste, donating used items, and reducing reliance on disposable products. Businesses can also develop programs and policies for amount and toxicity of the waste they generate; businesses might consider their waste streams, set up reduction, and explore opportunities in purchasing, operational procedures. Environmental but financial incentives.

3. Examine County Waste Reduction Opportunities

With this policy, the County increases the prominence of waste reduction within its solid waste program. But, more than that, just as residents and businesses of the County are encouraged to actively adopt waste reduction, the Montgomery County Government will evaluate its own role as a waste generator and explore and encourage waste reduction opportunities within County operations and among County facilities. As such, Montgomery County will not only encourage waste reduction as a good idea, but will work to illustrate its benefits by example.

4. Participate in and Encourage Regional Waste Reduction Efforts

OBJECTIVE: Increase legislative and governmental support for waste reduction

- Initiate efforts with Metropolitan Council of Governments
- Explore Regional and State-wide legislative opportunities

To leverage resources and increase effectiveness, Montgomery County will explore opportunities to combine waste reduction efforts with neighboring counties, the Metropolitan Council of Governments, the State of Maryland and other appropriate governments or organizations.

5. Explore Waste Reduction Incentives and Disincentives

OBJECTIVE: Develop incentives for waste reduction

- Study variable rate waste collection systems for application in Montgomery County; identify opportunities for application
- Identify additional incentives being explored around the country for use in Montgomery County

Montgomery County will explore a wide range of incentives designed to reduce the amount of waste that is generated, managed and disposed of by the County. Even though waste reduction is often a citizen initiative, efforts will be made to identify and develop opportunities whereby waste generators benefit financially or otherwise from actively practicing waste reduction. At the same time, the County will examine disincentives to discourage the generation of excessive waste. The County will, for example, study alternative waste collection and disposal pricing structures that would reward reduction in waste generation and accurately reflect the cost of the services provided.

Conclusion. With this policy, Montgomery County underscores its commitment to waste reduction at the top of the waste management hierarchy, and pledges to provide direction and assistance in reducing the County's waste. It will search for, and work to implement, opportunities that will provide reduction gains. To be successful, it is also clear that commitments to recycle waste generation habits and practices, and to change them will be needed from individuals, businesses and other organizations. At home and in the work place, full citizen participation will be needed. As borne out by the overwhelming response to the County's recycling and composting programs, the time is right for success through waste reduction and the County looks forward to helping make it a reality.

Approved:  4/19/93
Neal Potter, County Executive Date

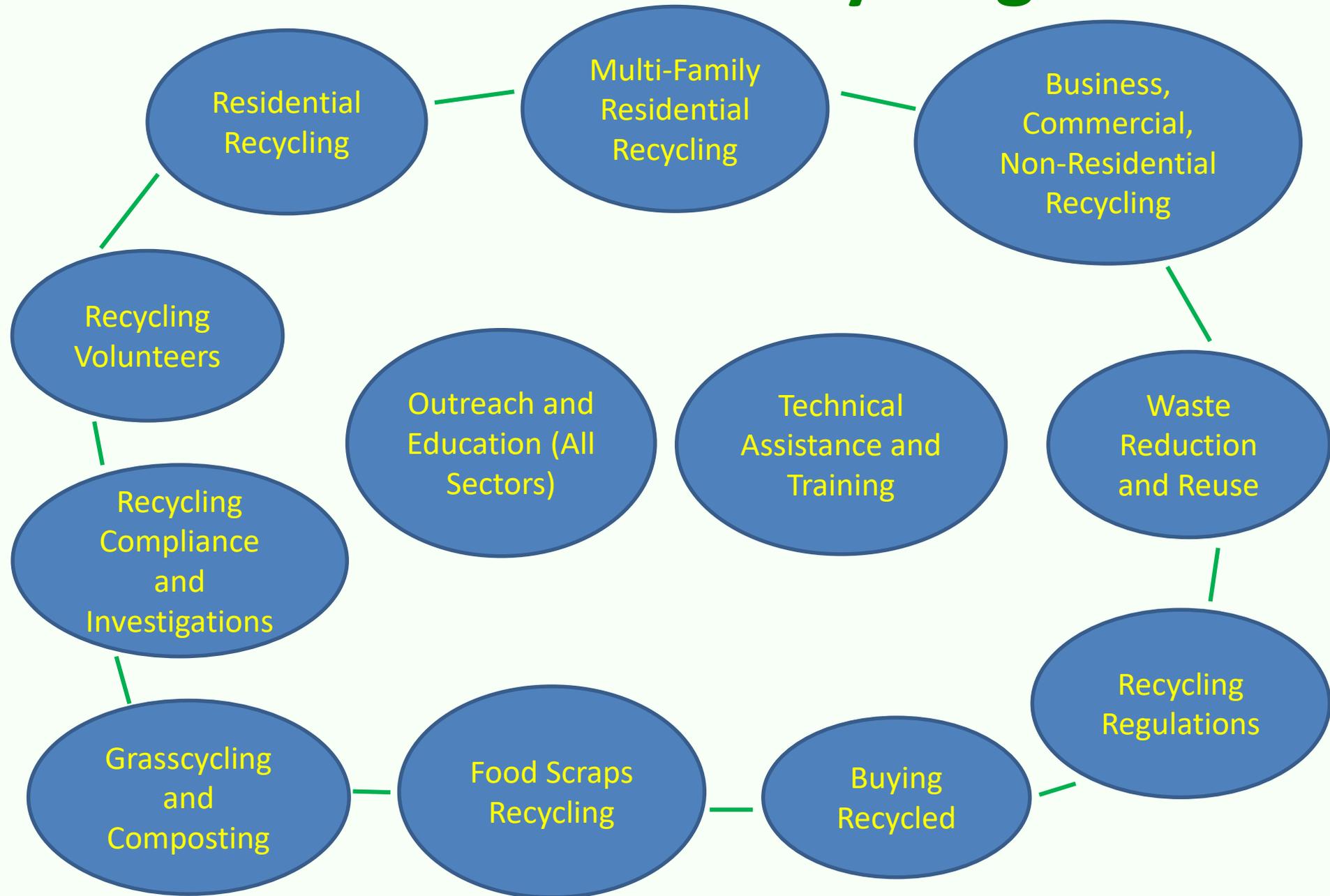
OBJECTIVE: Increase waste reduction in government activities

- Explore opportunities for reduction and reuse in government operations

DSWS Recycling Services

- **Single-Family Sector**
 - Weekly curbside collection
 - Outreach, education, and training
- **Multi-Family Sector & Non-Residential Sector**
 - Outreach, education, technical assistance
 - Training, hands-on guidance and support
 - Investigations and enforcement

Waste Reduction & Recycling Section



Recycle Everywhere



Recycle at Home



Recycle at Your Apartment/Condo



Recycle at Work



Recycle at School

Recycling: Easy and Convenient



Tools in the Toolkit



Major Efforts of the Section

- Strategies/programs/initiatives/activities to reduce waste and increase recycling
- Implementation of recycling regulations
- Education, training and technical assistance
- Enforcement of regulations
- Strategic communications and work with the media



Programs/Initiatives

- Waste Reduction, Reuse & Recycling Education
- Commercial Waste Reduction & Recycling
- Multi-Family Waste Reduction & Recycling
- Recycling Investigations & Compliance
- Recycling Volunteer Program
- Yard Trim Reduction
- Food Scraps Program
- Buying Recycled Education

Mandatory Recycling

- Executive Regulation 1-15
- Executive Regulation 18-04
- Executive Regulation 7-12

And Still:

- Education
- Technical Assistance/Training
- Judicious Enforcement
- Lead by Example
- Partnerships

	MONTGOMERY COUNTY EXECUTIVE REGULATION Offices of the County Executive, 101 Monroe Street, Rockville, Maryland 20850
Subject: Residential and Commercial Recycling	Number: 1-15
Originating Department: DEPARTMENT OF ENVIRONMENTAL PROTECTION	Effective Date: April 26, 2016

Montgomery County Regulation on:

SOLID WASTE AND RECYCLING
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Issued by: County Executive
Regulation No. 1-15
COMCOR 48.00.03, Solid Waste and Recycling, Chapter 48

Authority: Montgomery County Code, 2014, Chapter 48, Section: 48-47
Supersedes: Executive Regulation 15-04AM
Council Review: Method (1) under Code Section 2A-15
Register Vol. 32, Issue 11

Effective Date: April 26, 2016
Comment Deadline: January 15, 2016

Summary: The proposed regulation describes the residential recycling requirements for single-family and multi-family dwellings (including reporting requirements for multi-family properties), nonresidential recycling and reporting requirements, and recycling requirements for collectors of solid waste and recyclable materials.

Address for comments: Department of Environmental Protection
Division of Solid Waste Services
Executive Office Building
101 Monroe Street, 6th Floor
Rockville, Maryland 20850

Staff contact: Eileen Kao, Chief, Waste Reduction and Recycling Section
240-777-6406

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Executive Regulation 1-15

- Mandates recycling of comprehensive and specific materials by all generators
- Requirements cover all sectors
 - Single-Family Residential
 - Multi-Family Residential
 - Non-Residential/Commercial/Business
- Includes requirements of collectors
- Mandates reporting

Mandated Materials for Recycling

Commingled Materials (Bottles, Cans, Containers, Foil Products)



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

Glass bottles and jars



Aluminum cans, foil, and foil products

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

Scrap Metal Items

(Items 50% or more metal)



Yard Trim & Christmas Trees



Grass



Leaves



Brush



Christmas Trees (without anything on them)

Other Materials Recycled

Drop-Off at Montgomery County Shady Grove Processing Facility and Transfer Station:

- Tires; including bicycle tires; with or without rims (up to 5 per year)
- Automobile batteries (lead-acid)
- Antifreeze (up to 5 gallons)
- Motor oil and most other oils, hydraulic fluids, and kerosene (up to 5 gallons)
- Liquid cooking and vegetable oil (up to 5 gallons)
- Tanks/cylinders (helium and propane cylinders less than 20 lbs.)
- Bicycles
- And more!!



16101 Frederick Road (Route 355)
Monday - Friday: 7:00am - 8:00pm
Saturday: 7:00am - 5:00pm
Sunday: 9:00am - 5:00pm

Electronics Recycling

- Computers and related items
- Computer monitors (CRTs and flat screen)
- Desktop computers
- Laptop computers
- Docking stations
- Mainframes
- Servers
- Terminals
- Keyboards / Mice
- CDs and DVDs
- Floppy disks
- Hard drives
- Peripherals
- Televisions (CRTs and flat screen)
- VCRs
- Printers
- Toner and ink cartridges
- Scanners
- Fax machines
- Copy machines
- Digital cameras and memory cards
- Stereos
- Radios
- Tape players
- CD players
- Telephones
- Cell phones
- Gaming consoles
- Holiday lights / light strings
- Power and network cables
- Network hubs
- Switching boxes
- Controllers
- Modems
- Printed circuit boards
- Small household appliances (dispose accessories and other non-electronic parts as regular trash)
- Larger rechargeable battery units
- Uninterruptible power supplies (personal & network)
- Tool batteries



Bulky Rigid Plastics

- Program began in September 2013
- Drop-off at Shady Grove Processing Facility/Transfer Station



Bulky Rigid Plastics Recycling Drop-Off

(Not for curbside recycling collection)
Acceptable Bulky Rigid Plastics



- Toys (no batteries, wood or wires)
- Playhouses and swimming pools
- Large buckets (larger than 5-gallon in size)
- Milk/soda crates
- Landscape items (edging, trays, etc.)
- Laundry baskets
- Lawn furniture
- Closet organizers
- Dish drainers
- Tote boxes and lids
- Drums (food grade ONLY; NO chemical containers)
- Pet carriers
- Flower pots and trays (clean, no soil or plant material)
- Large water bottles (5-gallon or larger)
- Garbage cans/waste baskets
- Recycling bins
- Shelving
- Trays
- Automotive parts (plastic bed liners, bumpers, grills and hubcaps)
- Pallets
- Traffic signs
- Composite lumber products
- PVC and PET blister packs
- Clothes hangers



Note: All rigid plastic items for recycling should be empty, rinsed if needed, and be free of loose soil, dirt, etc.

Unacceptable Plastics

The following types of plastics cannot be recycled with mixed rigid plastics or with commingled materials:

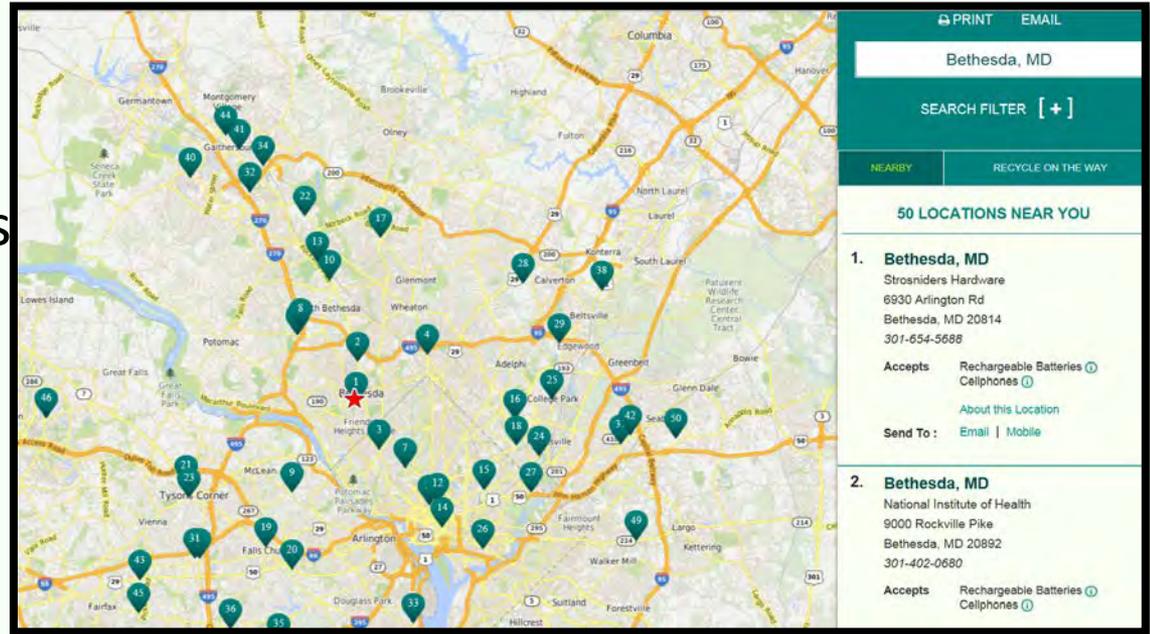
- Polystyrene or Styrofoam plastics (marked PS #6)
- PVC pipe/tubing
- Vinyl fencing/siding
- Medical waste
- Motor oil containers
- Plastics containing or contaminated by chemicals or hazardous waste
- Film (shopping or grocery bags and stretch film)
- Pesticide/herbicide containers
- Garden hoses



Drop-off at: Montgomery County Shady Grove Processing Facility and Transfer Station
16101/16105 Frederick Road, Derwood, MD 20855 (Enter from Route 355)
Monday-Friday: 7a.m.-8p.m.; Saturday: 7a.m.-5p.m.; Sunday: 9a.m.-5p.m.

Batteries

- Lithium batteries
- Lithium-ion batteries
- Nickel-cadmium batteries
- Lead acid (vehicle) batteries
- Uninterruptible power supplies (personal & network)
- Tool batteries



www.call2recycle.org



Don't Dump! Donate!

Usable Building Materials

- Bricks
- Cinderblocks
- Cabinetry - kitchen/bath sets and singles
- Doors
- Garden supplies
- Flooring - ceramic, wood, new carpet and linoleum
- Lighting and ceiling fans
- Lumber, plywood, & molding - over 4 feet with no nails
- Plumbing - toilets, sinks, tubs, radiators
- Roofing - rolled roofing, shingles, gutters and downspouts
- Tools
- Windows - thermal pane

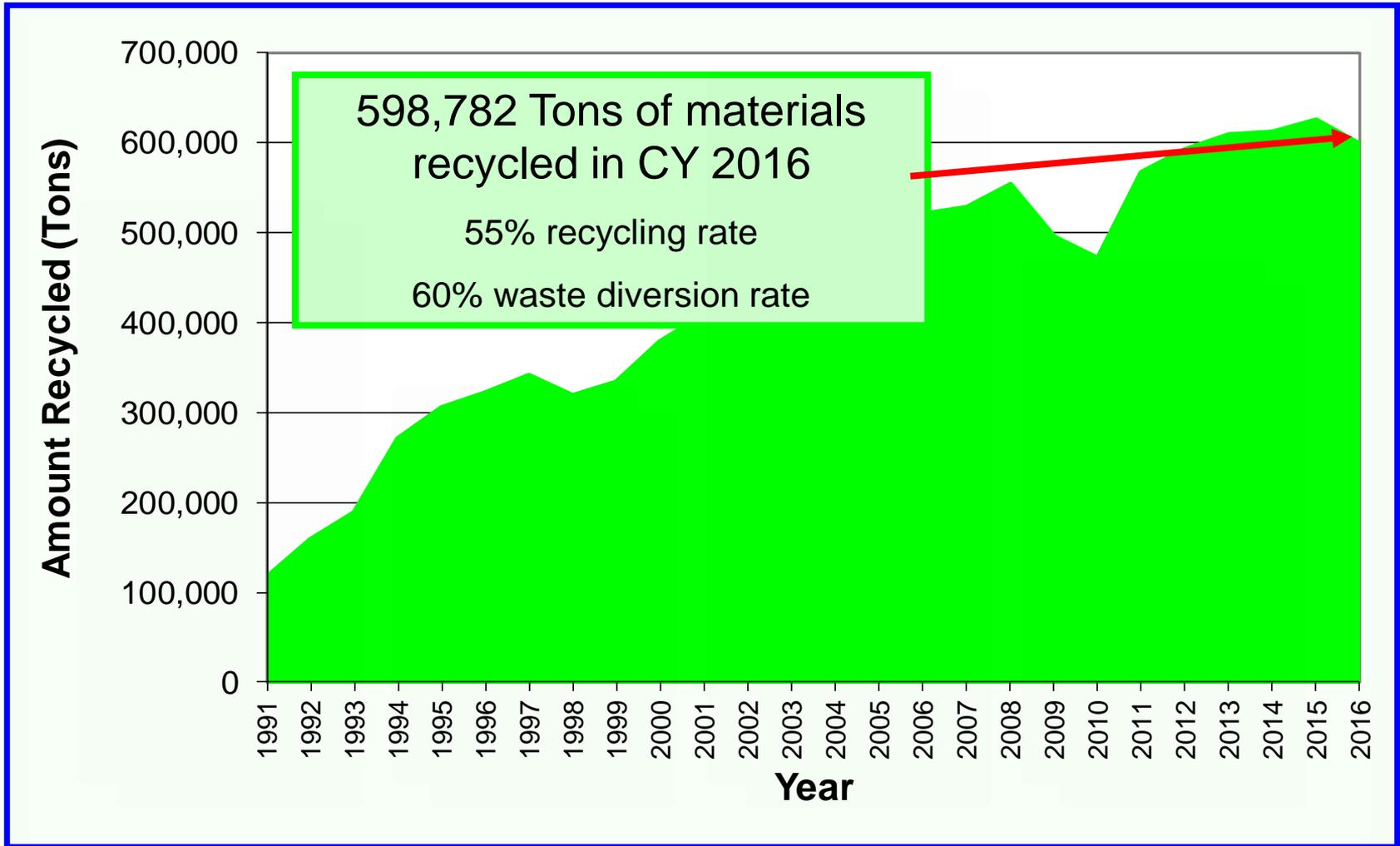


Textiles/Clothing

- Donate good quality clothing to your favorite charitable organization
 - Clean clothing in wearable or non-wearable condition
 - Shoes (keep pairs together)
 - Sheets
 - Drapes
 - Towels
 - Belts
 - Handbags
 - Pieces of cloth and material larger than 14 inches square



Steady Increases in Recycling

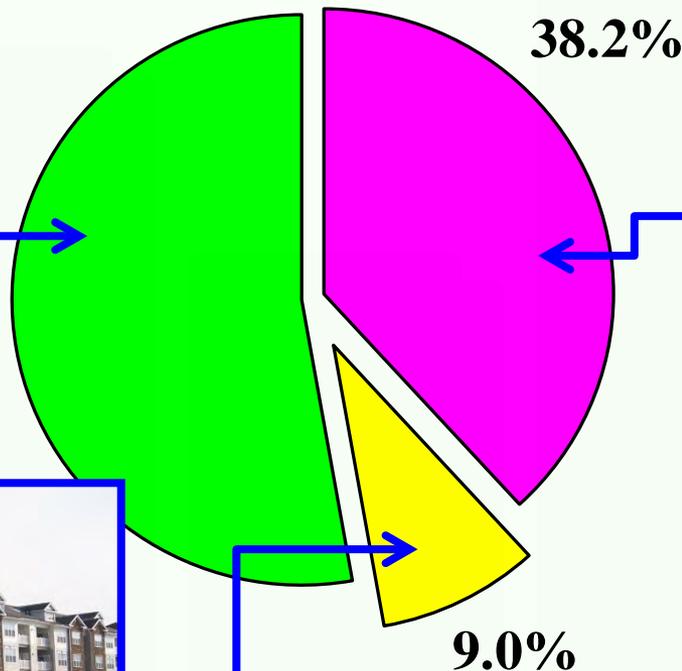


Data Sources

- Scale-house data at County's facilities
- Required 6-month hauler/collector reports from licensed collectors
- Voluntary processor reports
- Annual business or multi-family reports, particularly those indicating self-haul or back-haul
- "Rock-flipping" study performed annually

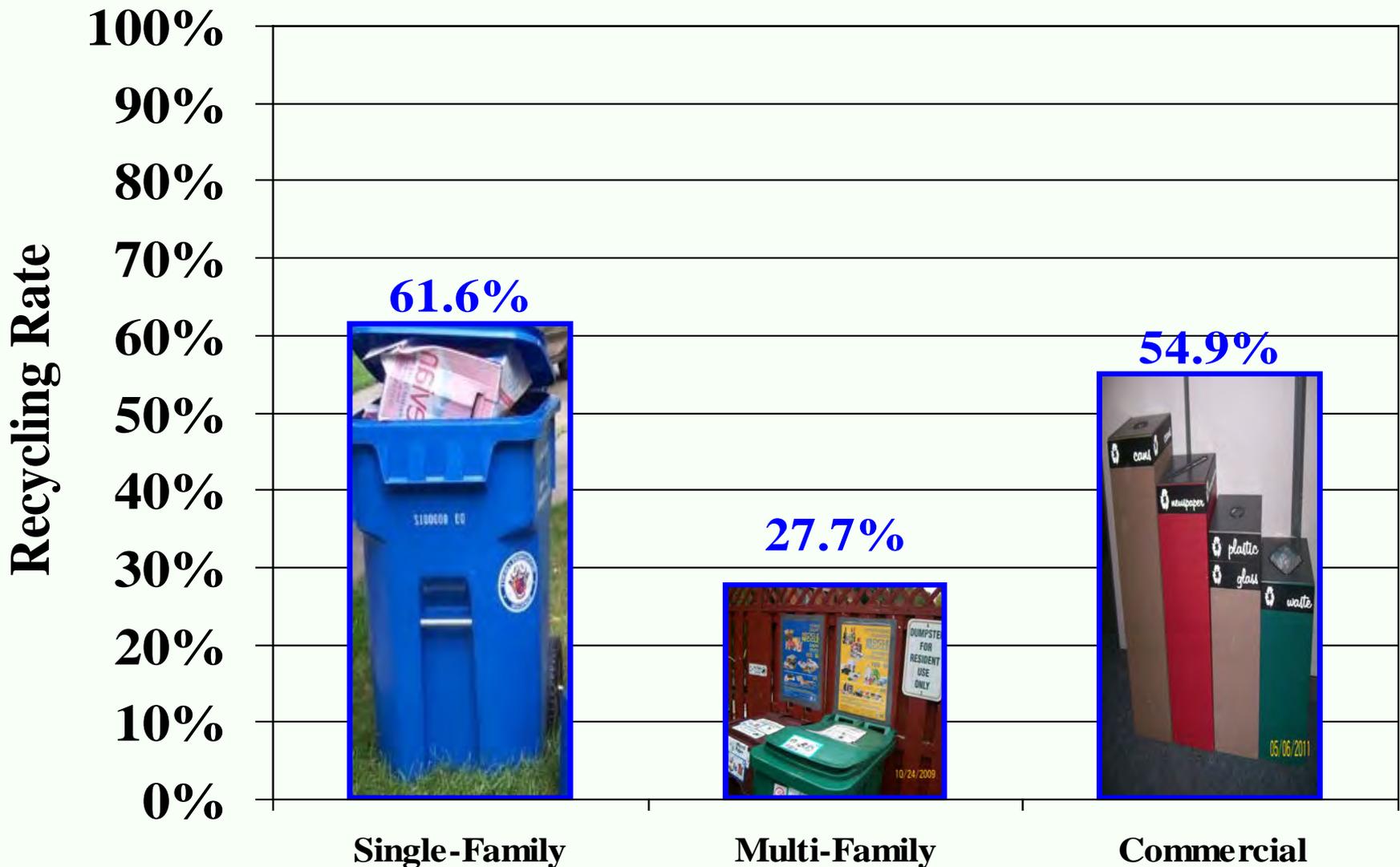
The Sources of Waste

1,088,412 tons of waste generated during Calendar Year 2016



- Single-family
- Multi-family
- Commercial

CY16 Recycling Rate by Sector



Waste Reduction and Recycling Education



- Comprehensive technical assistance, information, education and training on: waste reduction, reuse, recycling, and buying recycled
- Educational events
- Development & distribution of recycling information (mailings, broad-based education, Civic Loop Newsletter, etc.)
- Presentations to HOA's, civic associations, and other groups

Education and Training



“Teach Your Children Well”





Educational Materials for Single-Family Residents

Montgomery County, Maryland • Recycling FACT SHEET

Scrap Metal

What is considered scrap metal?

Any non-ferrous or ferrous item that is predominantly metal is considered scrap metal. Ferrous items are metals made of iron and/or steel. Non-ferrous items include all metal items that are not iron or steel, such as aluminum, copper, lead, zinc, nickel, titanium, cobalt, chromium, and other precious metals.

What types of scrap metal can be recycled?

If you live in a single-family home or in an apartment or condominium, old, unused and/or unwanted appliances including washers, dryers, refrigerators and sinks can be recycled; other items include lawnmowers, carburetors, stoves, metal chisels, metal awls, old tools (such as wrenches), aluminum lawn chairs, iron furniture, swing sets, or stoves. Metal piping and fences are also recyclable.

Some scrap metal items that can be found at your workplace that are recyclable include metal waste containers. They include metal staples, metal file punches, disks, and drives.

How do you recycle this product?

Residents of Single-Family Homes: Montgomery County offers a scrap metal recycling collection program to residents of single-family homes. Curbside scrap metal collections are made on your recycling day by a special truck. These collections must be scheduled one-day in advance on the all County Web site or by calling the Division of Solid Waste Services (DSWS) Customer Service Line at 240-777-6410. Then, simply place your metal junk at curbside by 7:00 a.m. on your scheduled recycling pick-up day.

Multi-Family Properties: Check with your property manager for the location of any on-site scrap metal recycling containers or for any specific recycling procedures. Multi-family properties may contract with private scrap metal dealers for collection or may self-haul scrap metal to the Montgomery County Solid Waste Transfer Station.

Businesses: Check with your recycling coordinator, facility manager, or property manager. Businesses may contract collection services with a private scrap metal dealer or may self-haul scrap metal to the Montgomery County Solid Waste Transfer Station.

Follow these rules when recycling this material:

- NO METAL CHAINS OR METAL WRENCHES
- NO METAL HOES OR METAL PICKS
- NO METAL SHOVELS OR METAL ROPS
- NO METAL AXES OR METAL MATTOCKS
- NO METAL SICKLES OR METAL SCYTHES
- NO METAL HOOKS OR METAL RINGS
- NO METAL NAILS OR METAL SCREWS
- NO METAL BOLTS OR METAL NUTS
- NO METAL WRENCHES OR METAL PLIERS
- NO METAL CHISELS OR METAL AWLS
- NO METAL DRILLS OR METAL BIT DRILLS
- NO METAL SAW BLADES OR METAL SAW BARS
- NO METAL TOOLS OR METAL EQUIPMENT
- NO METAL PIPE OR METAL FITTINGS
- NO METAL VALVES OR METAL FITTINGS
- NO METAL FLANGES OR METAL FITTINGS
- NO METAL GASKETS OR METAL FITTINGS
- NO METAL BRACKETS OR METAL FITTINGS
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- NO METAL GASKETS OR METAL FITTINGS
- NO METAL BRACKETS OR METAL FITTINGS

Montgomery County Recycles!

- Newspapers
- Unwanted Mail
- Cardboard
- Magazines
- Glass Bottles & Jars
- Aluminum & Steel/Tin Cans
- Plastic Bottles with Necks
- Aluminum Foil Products
- Grass, Leaves & Brush

Call for Collection of Appliances/Scrap Metal for Recycling
For Information Call 240-777-6410
www.montgomerycountymd.gov/recycling

In the Workplace Waste Reduction Is All Around Us

- Reusable lunch boxes eliminate the use of plastic
- Double reduce paper use

In Your Home Waste Reduction Is All Around Us

In Your Apartment or Condominium Waste Reduction Is All Around Us

- Reusable bags eliminate need for paper and plastic
- Use refillable pitchers instead of buying bottled water
- Refill soap containers from larger sizes

RECYCLING BASICS

RECYCLE ALL THAT YOU CAN RECYCLE

ALUMINUM BOTTLES AND BOTTLES
Aluminum bottles and cans are made from 100% recycled material. Recycling them saves energy and reduces air pollution.

PLASTIC BOTTLES WITH NECKS
Plastic bottles with necks are made from 100% recycled material. Recycling them saves energy and reduces air pollution.

NO PLASTIC BAGS!

NO METAL CHAINS OR METAL WRENCHES
NO METAL HOES OR METAL PICKS
NO METAL SHOVELS OR METAL ROPS
NO METAL AXES OR METAL MATTOCKS
NO METAL SICKLES OR METAL SCYTHES
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At School Waste Reduction Is All Around Us

- Reusable bags reduce the need for paper and plastic bags
- Use bulletin boards to post announcements to reduce handouts
- Computers and projectors save on printing and paper
- Mechanical pencils save trees
- Reusable lunch containers and water bottles reduce waste
- Sturdy backpacks last longer and save money

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Use bulletin boards to post announcements to reduce handouts

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For more information, visit www.montgomerycountymd.gov/recycling or call 3-1-1 or TTY: 240-240-4646. *Printed on recycled and recyclable paper. This information is available in an alternate format by calling 240-777-6410.

Montgomery County Recycle

Mixed Paper
Combine and place these items into paper bags, small cardboard boxes, and/or bundles next to or on top of your blue bin

- Newspapers & inserts
- Magazines
- Corrugated Cardboard
- Cereal & Other Boxes
- Telephone Books
- Computer & Office Paper
- Catalogs
- Unwanted Mail
- Paperback Books
- All Other Clean, Dry Paper

Commingled Material
Place these items inside your blue bin

- Glass Bottles & Jars
- Plastic Bottles with Necks
- Aluminum & Steel/Tin Cans
- Disposable Aluminum Foil Products

Other Materials
Recycle these materials curbside, but not in your blue bin

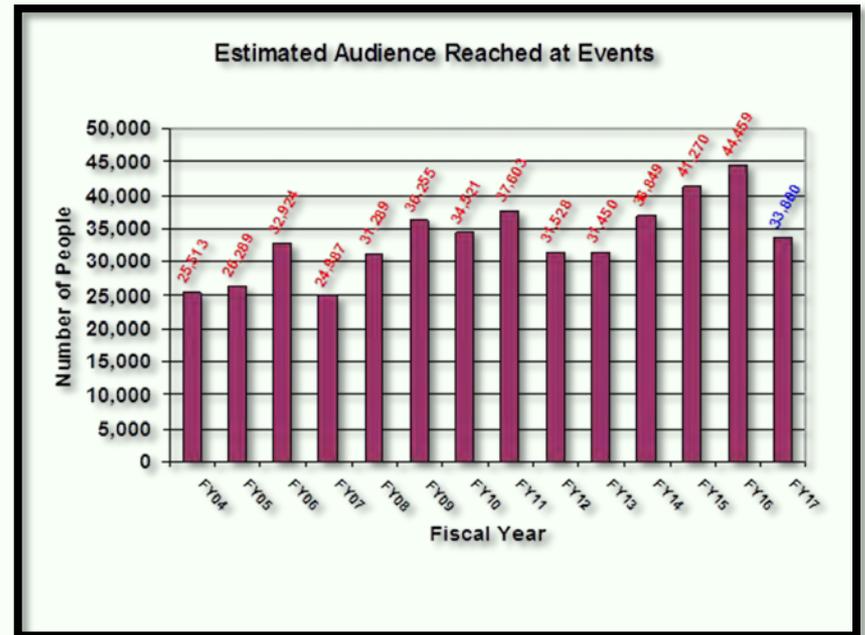
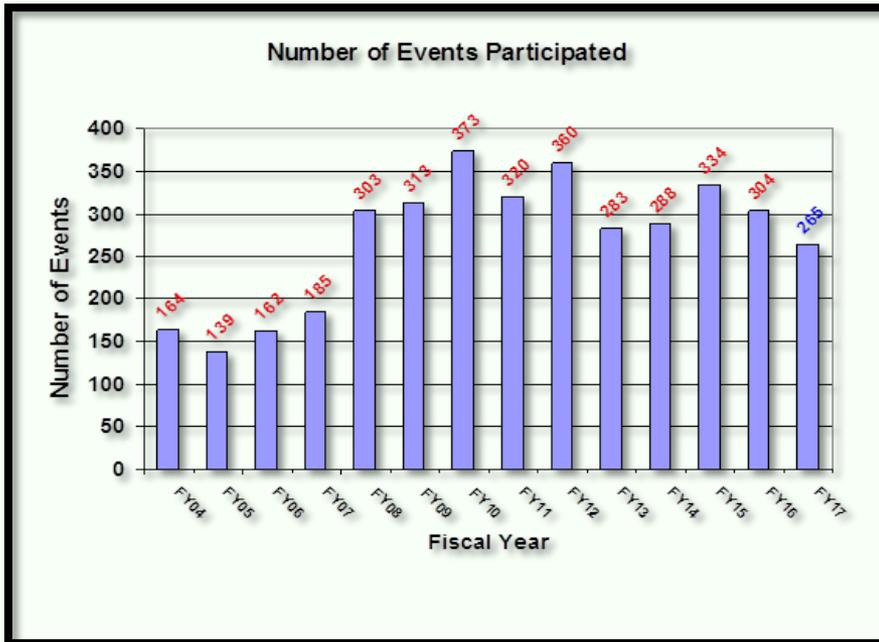
- Grass, Leaves & Brush
- Appliances/Scrap Metal

Montgomery County Division of Solid Waste Services
Call 240-777-6410
or visit us at www.MCDSWS.com

Please Write Your Address Here:

Direct Education

In FY17, Section staff participated in 265 events and reached 33,880 residents and employees.



Special Recycling Events



- Confidential paper shredding/recycling and clothing and household goods donation collection events
- Golf tournament recycling monitoring and assistance
- Recycling Awareness Week
- CE recycling media events

Commercial Waste Reduction & Recycling Program

- Established in the 1980's; mandatory recycling enacted in 1993
- Programs and activities to reduce waste, increase on-site recycling at businesses, organizations and government facilities
- Support provided to ~33,000 businesses and organizations with ~528,000 employees
- Technical assistance, training and education
- Administer/enforce recycling regulations
- No collection services provided

Defining Businesses in Montgomery County

- Anything not residential in nature is considered a business
- Includes not-for-profit entities, organizations, as well as government facilities at all levels
- Executive Regulation 1-15 defines:
 - Large business = 250+ employees
 - Medium-sized business = 100-249 employees
 - Small business = 99 or fewer employees
- All businesses must recycle; some must report

Annual Reports

- Mandatory annual reporting requirements:
 - All large businesses
 - All medium-sized businesses
 - Select small businesses (upon request by the County)
 - All property owners of multi-tenant facilities
 - All property owners in common ownership commercial properties

SORRT Program



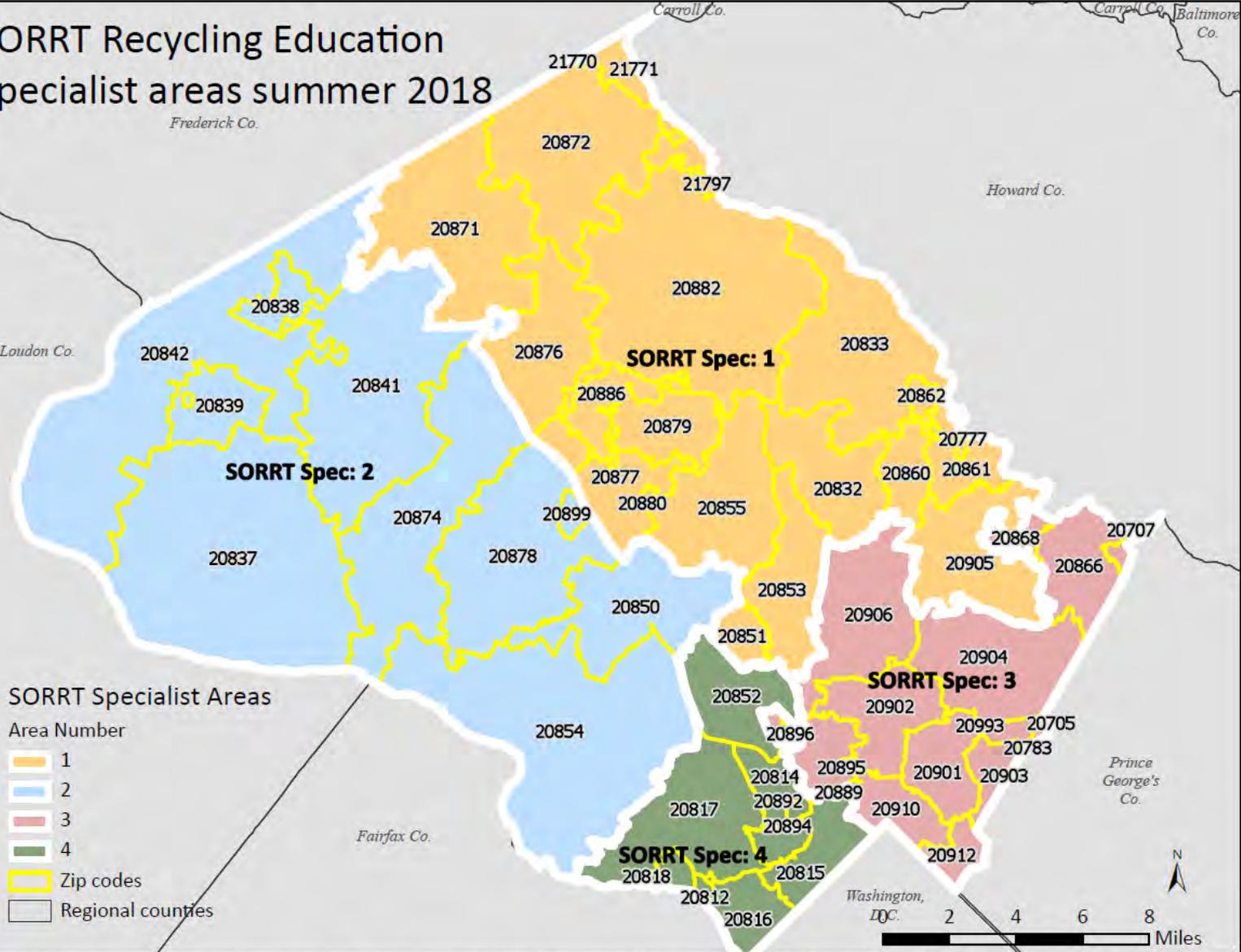
Smart Organizations Reduce & Recycle Tons

- Perform on-site consultation and recycling program design
- Coordinate seminars, webinars, workshops, in-house training to business owners, managers and employees
- Conduct recycling training and certification for janitorial/maintenance companies
- Design educational materials to address issues and increase recycling
- Provide variety of indoor and outdoor recycling bins and containers
- Manage Partners-In-Recycling Program and Recycling Oversight Committee
- Collect data on recycling tonnages and solid waste

Business Recycling Program

- Program Manager
 - Implements and directs initiatives and activities
 - Develops and plans future initiatives
- Recycling Education Specialists (4)
 - Assigned Coverage Areas
 - Provide direct assistance to businesses
 - Perform 45 site visits per week
- Senior Recycling Specialist

SORRT Recycling Education Specialist areas summer 2018



Site Visits & Consultations

- Conduct a waste assessment
 - What's generated?
 - What's in the trash?
 - What's in the recycling?
- Identify waste reduction opportunities
- Identify reuse opportunities
- Identify recycling opportunities & opportunities to increase recycling

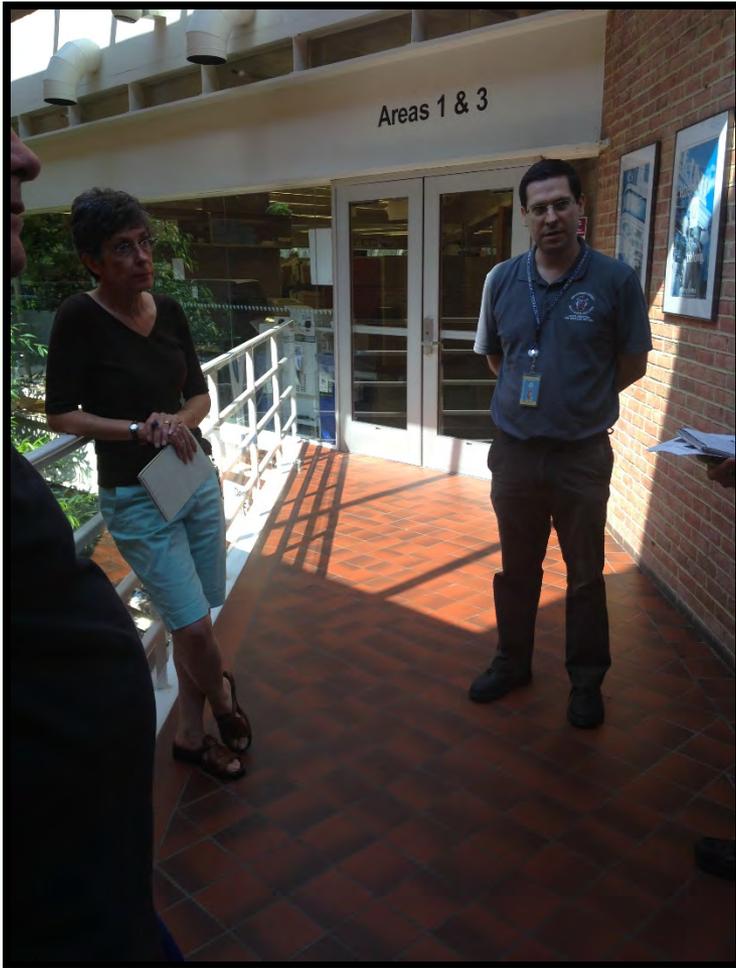


Site Visits for Businesses

SORRT Site Visits



On-Site Consultations/Recycling Program Design



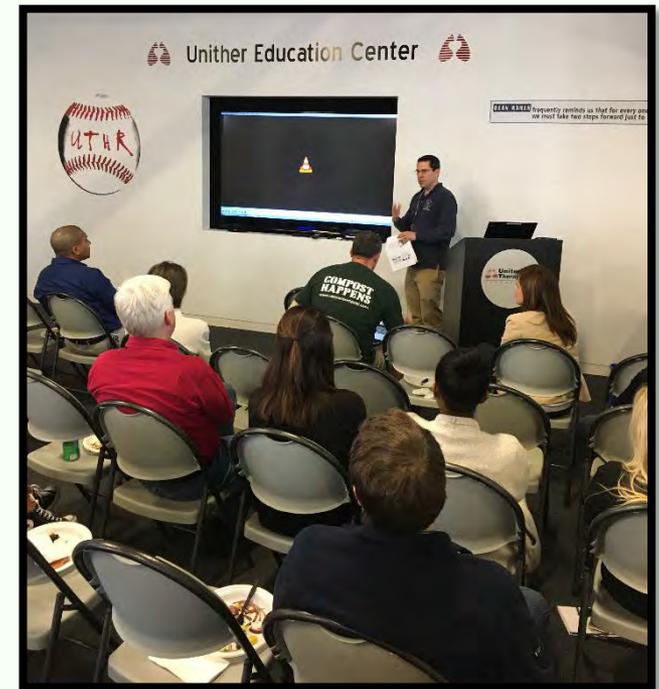
M-NCPPC Planning Dept.



Safeway

Education and Training

- SORRT Seminars
- On-site Presentations and Workshops
- Employee Training Sessions
- Employee Events



Other Efforts to Increase Business Recycling

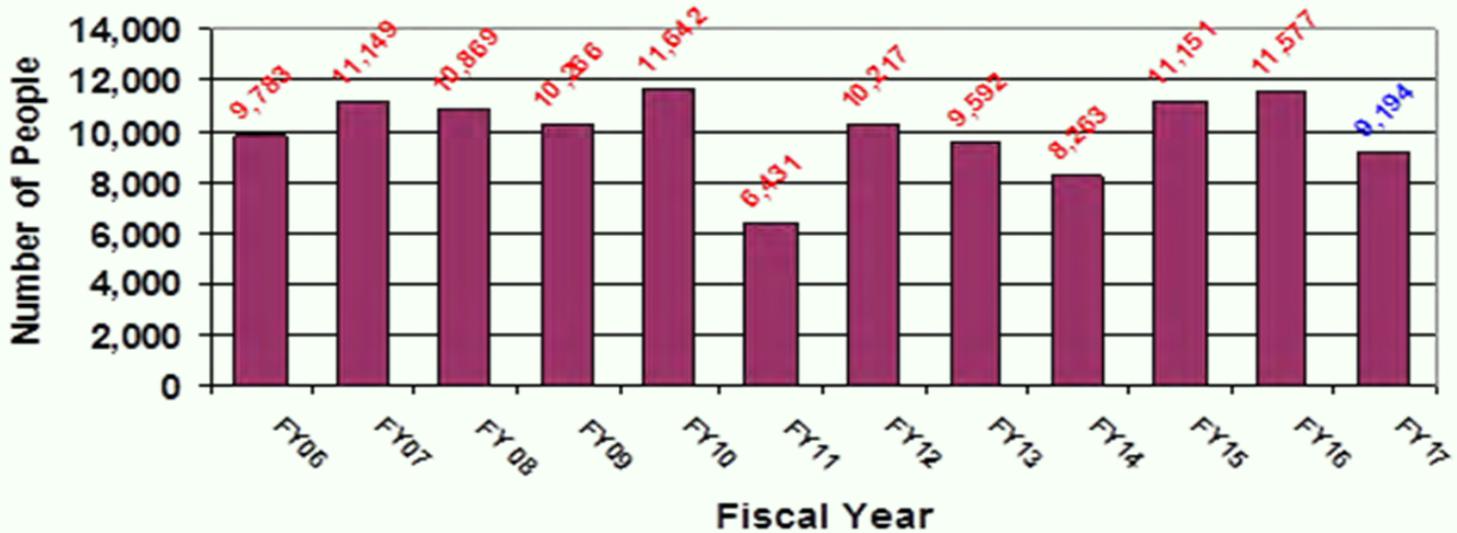
- Janitorial/Maintenance Service Certification
- Partners in Recycling
- Recycling Oversight Committee (ROC)



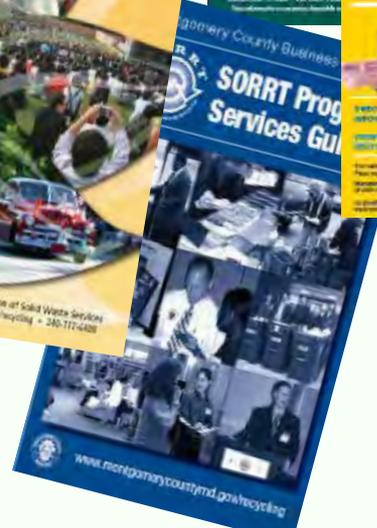
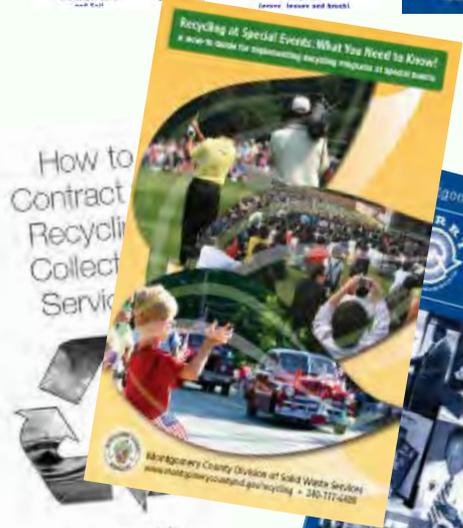
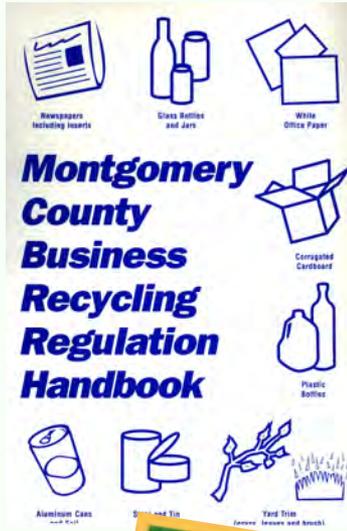
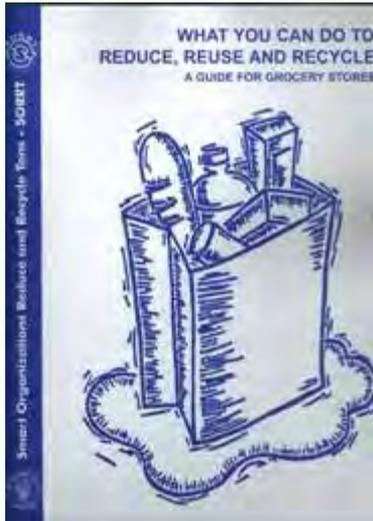
Educational Events



Audience Reached at Business Events



Educational Materials



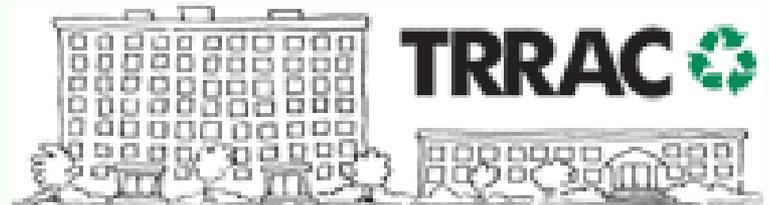
Multi-Family Recycling & Waste Reduction Program

- Program established in the 1990's; mandatory recycling enacted in 1993
- Programs and activities to increase on-site recycling at apartments and condominiums
- Support provided to ~700 multi-family properties with ~125,000 dwelling units
- Technical assistance, training and education
- Administer/enforce recycling regulations
- No collection services provided

Defining Multi-Family Properties in Montgomery County & Reporting Requirements

- Buildings with seven (7) or more dwelling units
- Includes:
 - Apartments
 - Condominiums
 - Co-ops
- All multi-family properties must recycle and must report annually

TRRAC Program



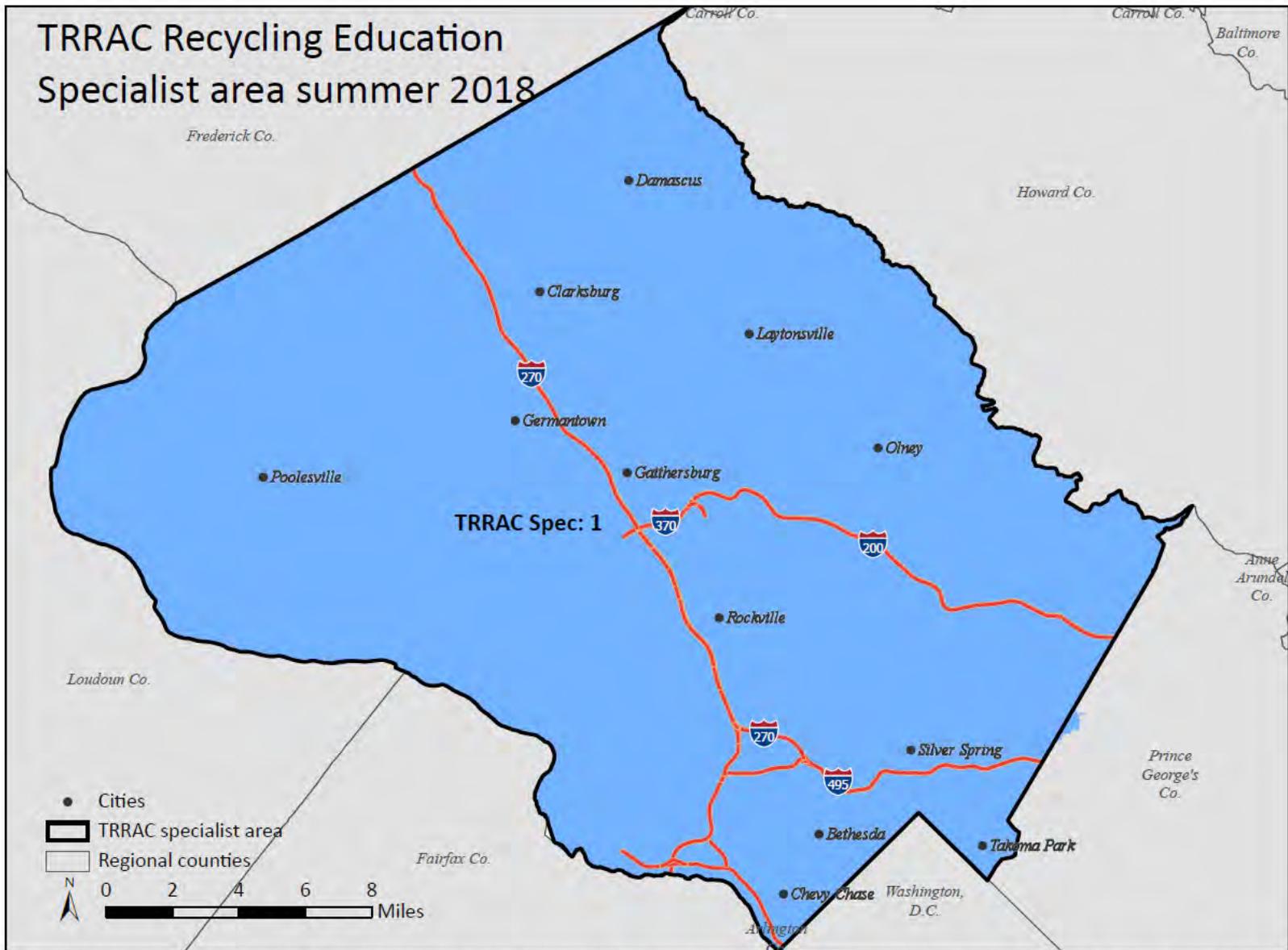
Think Reduce & Recycle at Apartments and Condominiums

- Perform site evaluations and provide specific recommendations to improve recycling
- Provide seminars, webinars, community events for property owners, managers, staff and residents
- Create materials to motivate properties and residents to recycle more
- Provide in-unit and common area recycling bins and containers
- Collect data on recycling tonnages and solid waste

Multi-Family Recycling

- Program Manager:
 - Implements and directs initiatives and activities
 - Develops and plans future initiatives
- Recycling Education Specialist:
 - Provide direct assistance to apartment and condominium properties
 - Performs 35 site visits per week
- Senior Recycling Specialist

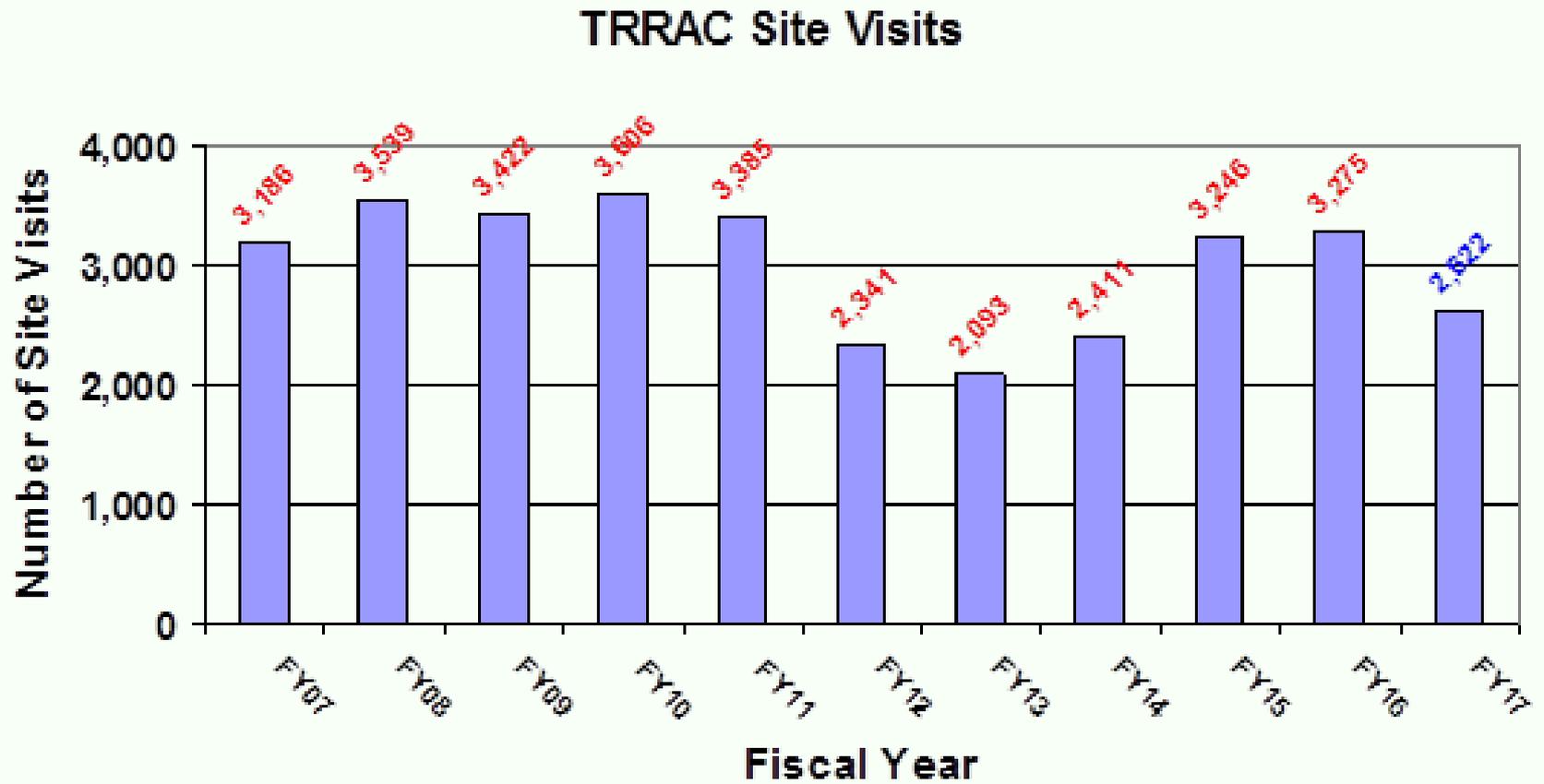
TRRAC Recycling Education Specialist area summer 2018



On-Site Consultations



Site Visits to Multi-Family Properties



TRRAC Seminars



Bridge Language Challenges

Primary apartment/condominium recycling brochure available in ten languages



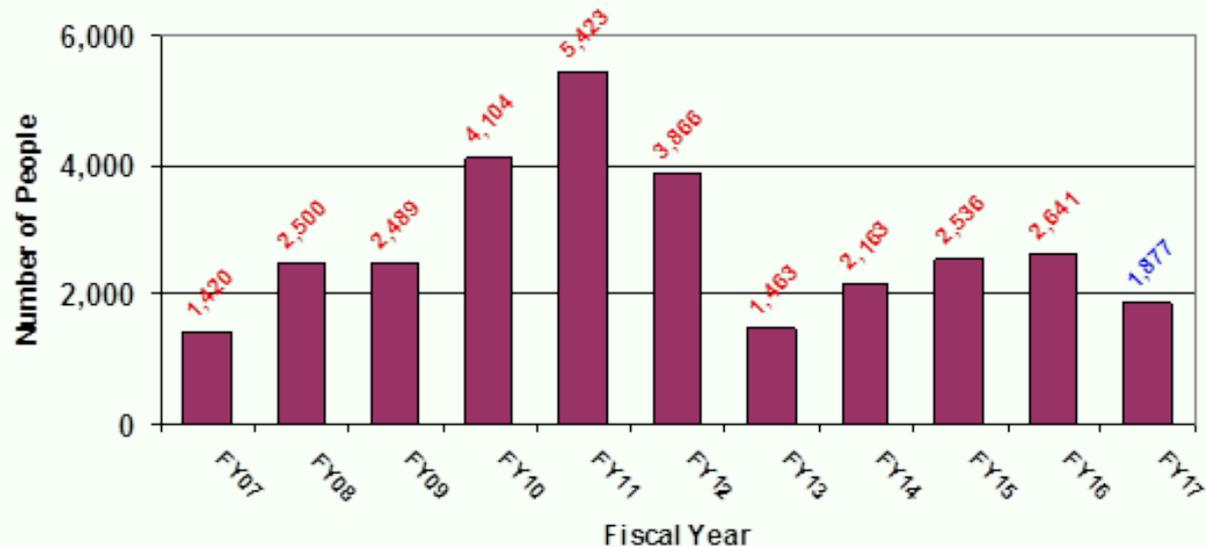
Educational Presentations (Multilingual)



Educational Events



Audience Reached at Multi-Family Events



Investigations & Enforcement



Ensure compliance with requirements

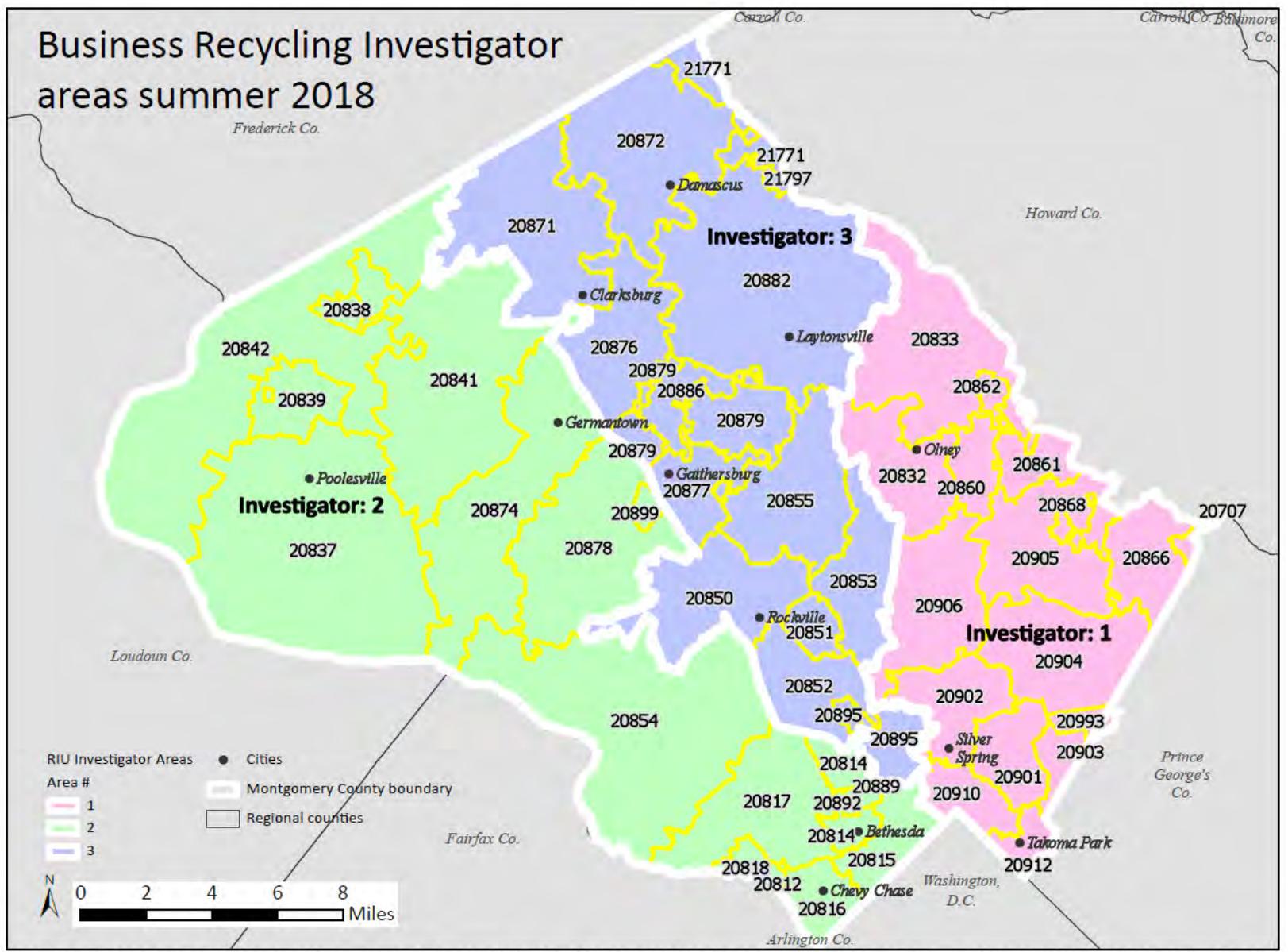


Investigate what happens with waste and recyclables

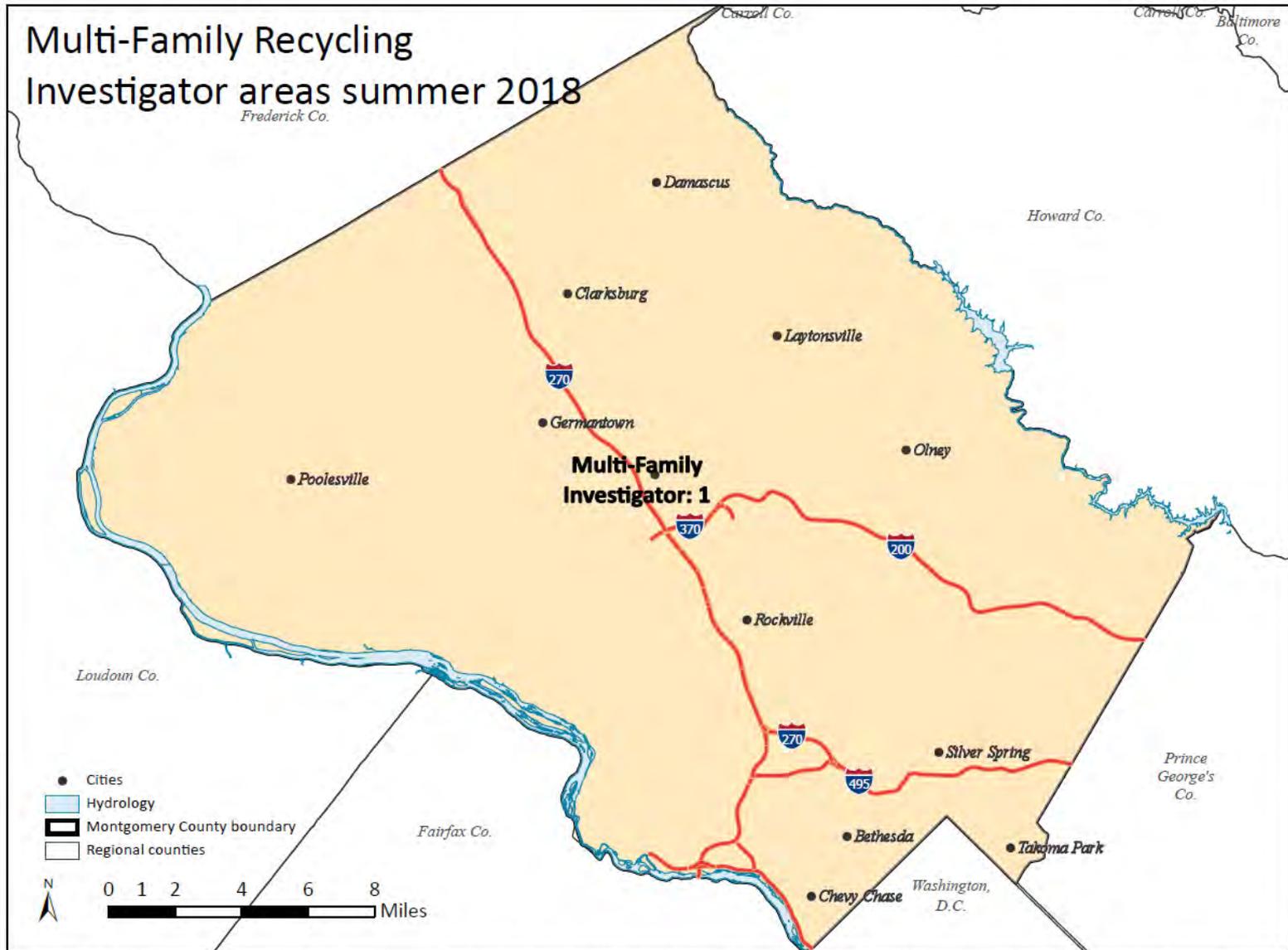
Recycling Investigators

- 3 Recycling Investigators focus on business community
 - Assigned Coverage Areas
- 1 Recycling Investigator focuses on multi-family properties
 - Covers entire County
- Enforcement of:
 - Montgomery County Code Chapter 48 Solid Waste Laws
 - Executive Regulations Concerning Recycling
 - ER 1-15
 - ER 18-04

Business Recycling Investigator areas summer 2018



Multi-Family Recycling Investigator areas summer 2018



Update on Enforcement of ER 1-15

Key Statistics	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17 12 months (7/1/16-6/30/17)
Total Properties Visited	2,993	3,333	3,981	4,517	4,512	3,970	3,763	4,625	4,454	4,451	6,664	6,524
Total Investigation Cases	380	663	767	617	488	439	412	601	630	676	688	669
Notices of Violation Issued	480	638	719	540	499	447	410	615	643	665	683	688
Citations Issued	11	44	167	108	25	26	36	42	48	99	80	86
Citations Resolved through Compliance	11	44	167	108	25	26	36	42	48	99	80	47 (39 pending)
Fines Paid on Citations	\$2,300	\$6,450	\$14,950	\$17,416	\$4,538	\$3,750	\$6,100	\$6,250	\$5,400	\$13,300	\$16,150	\$9,350

Revised July 7, 2017

Recycling and Solid Waste Violations at a Business



Compliance Achieved after Issuance of Citation



Violations by a Licensed Collector

Photo #1



Photo #2



Photo #3

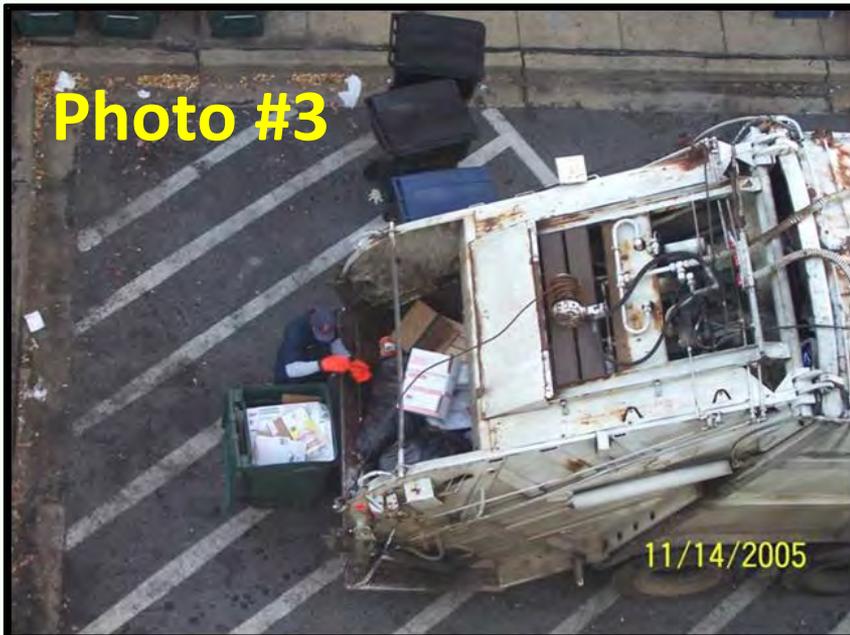


Photo #4



Violations Under Chapter 48 at a Multi-Family Property

(Overflowing Containers and Trash on the Ground)

Before Citation



After Citation

Reduction of Yard Trim (Composting and Grasscycling)

Compost at home for clean land, air, and water.



Did You Know?

- Yard trim (grass, leaves & plant trimmings) can be composted into a beneficial soil amendment
- Adding compost to soil adds valuable nutrients and helps protect the environment
- Mixing compost with soil also reduces water run-off

Compost bins are available for Montgomery County, Maryland residents at no additional charge. For a list of locations where you can get a compost bin, visit www.montgomerycountymd.gov/recycling

Montgomery County, Maryland – Department of Environmental Protection
Division of Solid Waste Services – Waste Reduction and Recycling Section
Visit www.montgomerycountymd.gov/recycling or call 311 or 240-777-0311.



- Integrated approach
- Work with all key parties
 - Generators
 - Landscape contractors
 - Lawn service providers
- Member of the MD-DC-VA Landscape Contractors Association

Grasscycle at your property for clean land, air and water.



Why grasscycle?

Leaving grass clippings on the lawn after mowing:

- Adds valuable nutrients back into the soil
- Reduces water usage
- Saves your property both time & money

Ask your lawn care service provider to grasscycle at your property.

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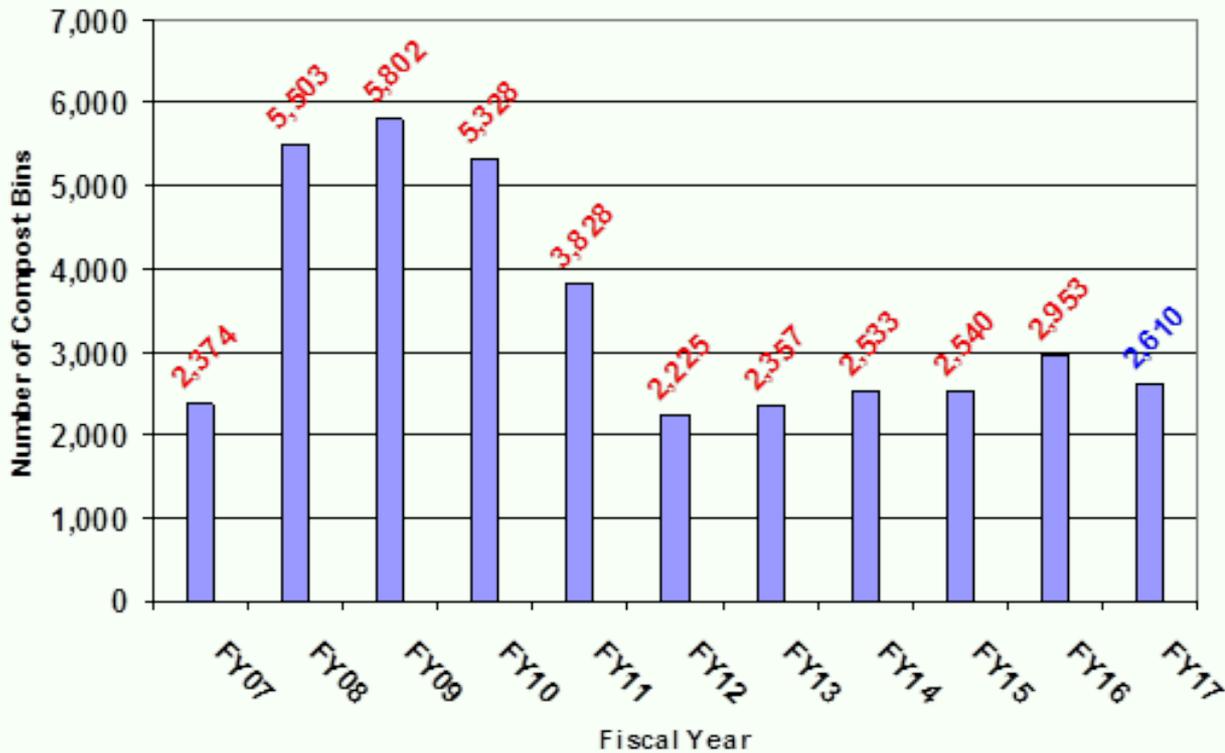
Grasscycling and Composting Education



- Training Workshops/Seminars
- Website
- Electronic newsletters
- Educational events
- Work with lawn service providers
- Compost demonstration site at Meadowside Nature Center & WSSC Brighton Dam
- Educational materials and translations
- Compost bin distribution locations & hours (22 total)

Compost Bins for Residents

Compost Bin Distribution



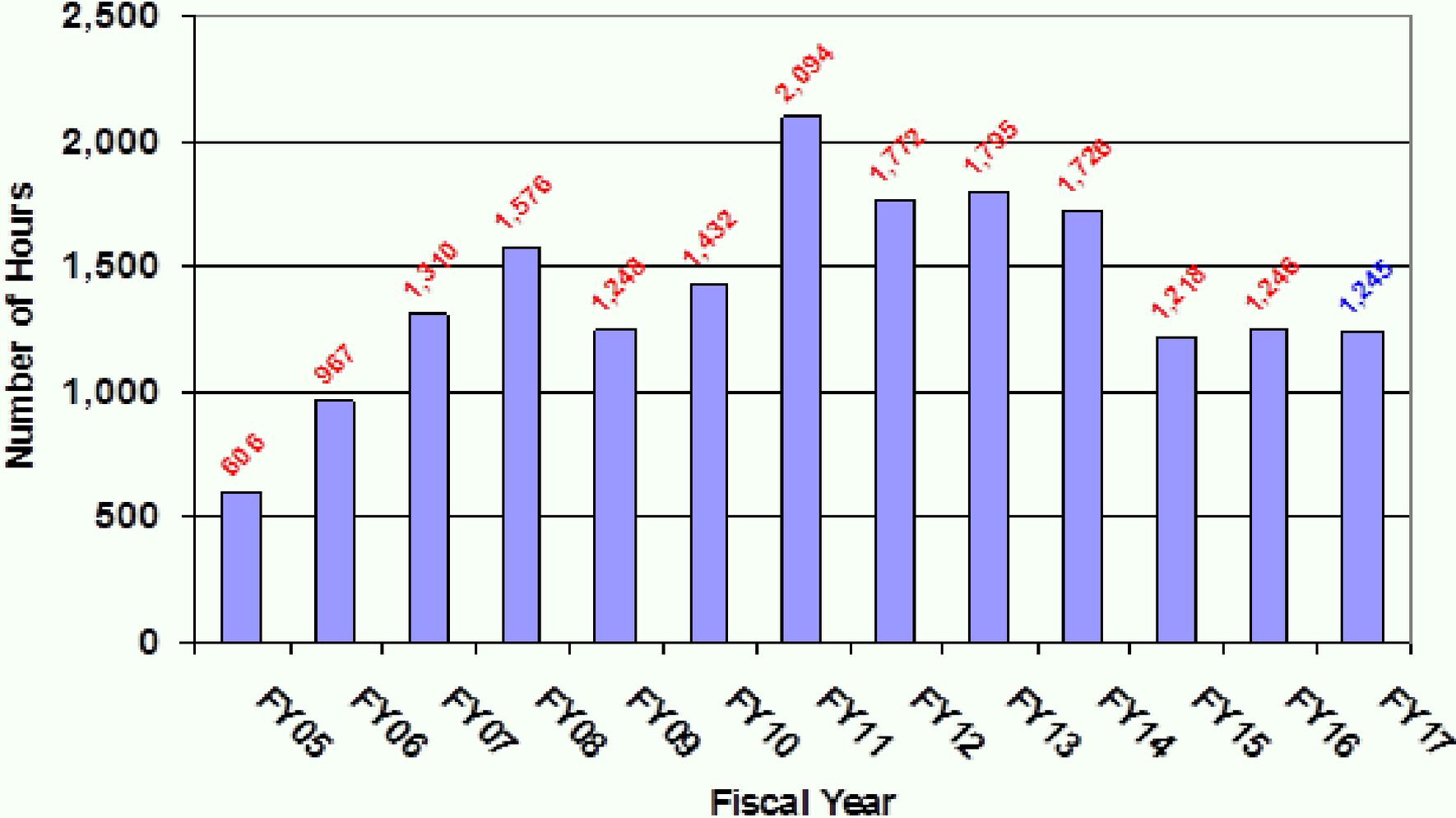
Recycling Volunteer Program

- Recycling Volunteer Coordinator:
 - Recruits volunteers
 - Trains volunteers
 - Coordinates volunteer activities
 - Creates and organizes events
 - Solicits and schedules volunteers
 - Plans appreciation and recognition event



In FY17, our Recycling Volunteers donated time and service equal to \$32,867.25.

Number of Hours of Service Contributed by Volunteers

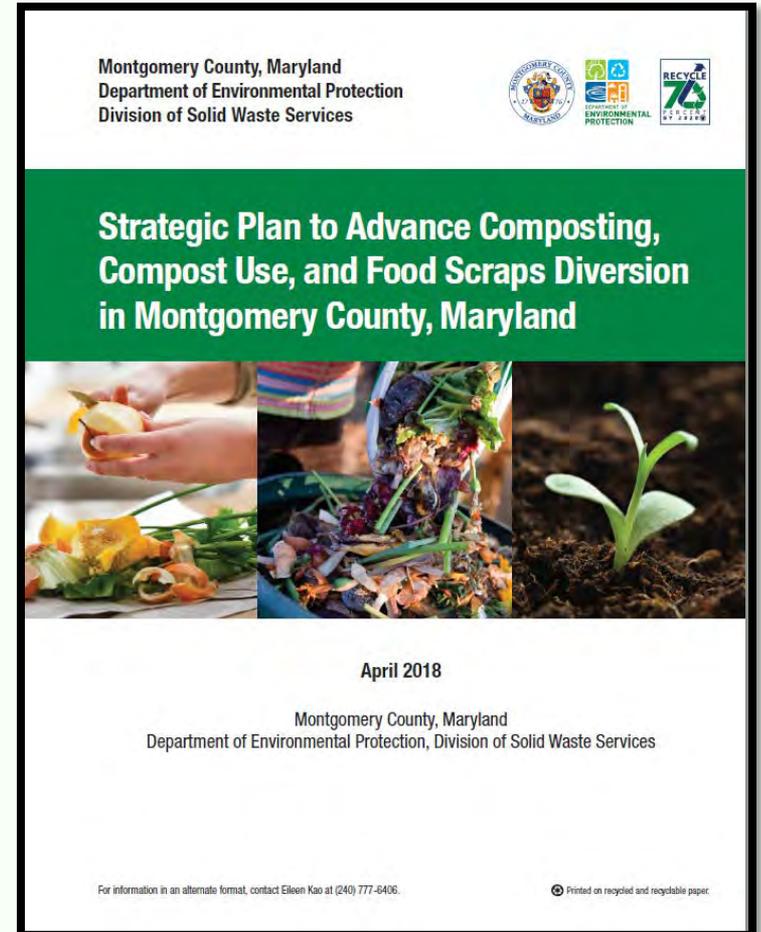


Volunteers Stretch Staff Reach



Food Scraps Recycling Program

- 1 Program Manager I (FY19 position) to manage Commercial Food Scraps Recycling Program
 - Secure processing capacity
 - Develop incentives
 - Implement and direct initiatives and activities
 - Develop and plan future initiatives
- Minor modifications to Transfer Station Annex, if necessary
- Education and technical assistance to residents of single-family homes; increase awareness and understanding of food scraps recycling; assess level of interest

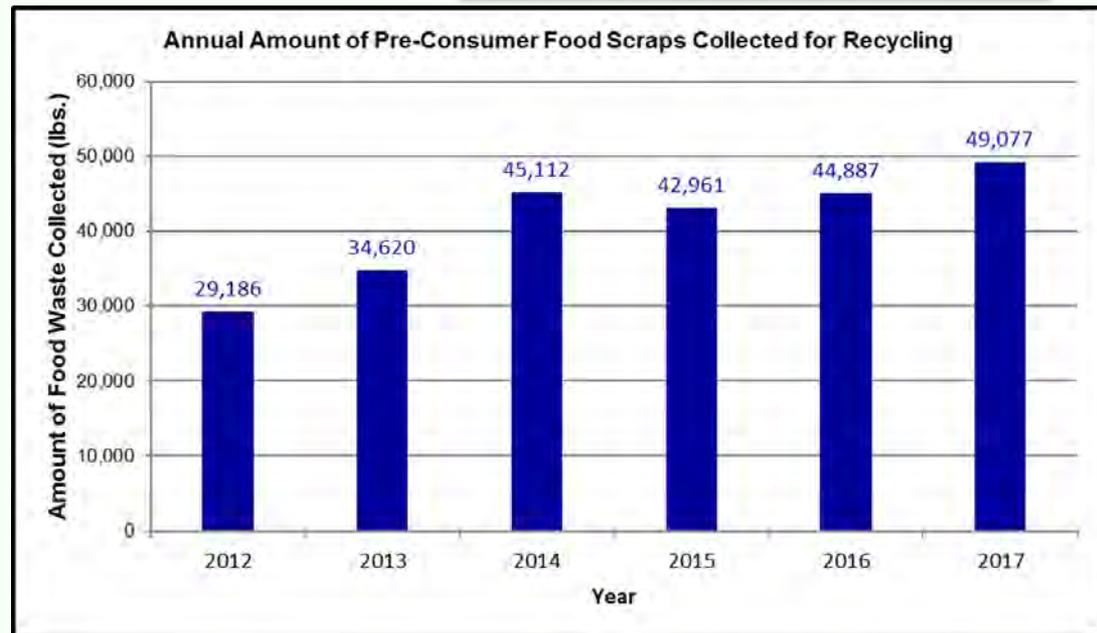


[Strategic Plan on Food Scraps](#)

Food Scraps Recycling by Businesses (and Multi-Family Properties)

Demonstration Project in EOB Cafeteria

- Establish Best Practices
- Showcase and highlight to others
- Pre-consumer food waste for recycling
- Additional waste reduction and recycling best practices as well
- Education and training materials
- Containers and storage
- Collection and transport
- Reports and data



Other Initiatives to Increase Recycling Achievement

Positive Reinforcement & Motivation



Recognition of Recycling Achievement includes:

- Invitation to awards recognition ceremony
- Showcased in newsletters, presentations and more
- Acknowledgement on website
- Highlighted via media (media advisories, press release)

Continue to Expand Opportunities to Recycle More

- Cooperative Collection Projects
 - Businesses share recycling and trash containers and split collection costs. Money is saved on collection costs and more materials are recycled.
- Recycling in Public Places
 - Assist with program design to establish recycling for residents and visitors in public spaces.
- Recycling at Special Events
 - Provide recycling containers and tech support to event organizers to increase recycling at community events.
- Waste Audits and Characterizations
 - Conduct waste audits and use composition studies to identify potentially recyclable materials in the waste stream.



Work with the Development Community

- Research, evaluate and develop design standards and guidelines
- Work with regulatory agencies (M-NCPPC, DPS)
- Provide technical assistance to owners, developers, designers and engineers on commercial, multi-family and mixed-use development proposals
- Review/approve “Recycling Facility Plan” by which projects may achieve public benefit points required to approve density allowed under zoning

Planning for the Future

- Review and analysis of Annual Report and other data
- Solid waste and recycling studies
- Field testing and special projects
- Focus group research
- Telephone surveys
- Mail-in surveys
- Feedback and customer service surveys
- Site visit surveys
- Strategic planning and program development

Keep Looking for the Next Frontiers

RECYCLING SURVEY

Please take a moment to share your views on recycling. Answers are confidential.

YES NO

Do you recycle? YES NO

Is your property's recycling program convenient? YES NO

Would you be more likely to recycle if you had more information? YES NO

Would you recycle more if you had more information? YES NO

If you do not recycle, why not? YES NO

What would help you recycle more? YES NO

On a scale of 0-5, how convenient is recycling for you? YES NO



ON-SITE VISIT SATISFACTION SURVEY

DIVISION OF SOLID WASTE SERVICES-BUSINESS RECYCLING SORT PROGRAM

Recently a member of the Montgomery County Division of Solid Waste Services visited your business/organization. Please take a moment and fill out this prepaid postcard so that we may better meet your needs. You may also complete this survey on-line by visiting: www.montgomerycountymd.gov/recycling

Name of Business: Servicios Latino Americanos

Reason the staff member visited your business/organization: _____

Did the staff member arrive on time? YES NO N/A

Was the staff member helpful and courteous? YES NO N/A

Did the staff member explain the County's recycling requirements in an easy to understand manner? YES NO N/A

How would you rate the overall satisfaction of the site visit? YES NO

Questions or Comments: _____

Name: Nelida Roldan Phone#: _____

Address: 2416 Blundage Ave. E-mail: _____

Montgomery County Division of Solid Waste Services • 101 N. ...

PHONE 240-777-6486 • FAX ...

This information is available in an alternate format by calling ...

RECYCLING

Montgomery County
Recycling and Waste
Reduction Program
Focus Groups:
Increase Recycling
Task Order No. 76

SCS ENGINEERS



Proposal

Undocumented Commercial Recycling
Activities
Task Order #7

Presented to:

Montgomery County, MD



Department of Environmental Protection
Division of Solid Waste Services
Waste Reduction and Recycling Section

Presented by:

SCS ENGINEERS
11260 Roger Bacon Drive
Suite 300
Reston, Virginia 20190

September 4, 2013
File No. 9000003.02

Office Nationwide
www.scsengineers.com



Montgomery County
Division of Solid Waste Services

Waste Reduction Focus Group Research

Report of Findings

June 2013

Conducted by

OPINIONWORKS
PUBLIC OPINION RESEARCH

706 Giddings Avenue • Suite 2C • Annapolis • Maryland 21401
(410) 280-2000 • Fax: (410) 280-3400 • www.OpinionWorks.com



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Waste Reduction & Recycling Section**

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240-777-6406