Public Solid Waste Services in the Washington Metropolitan Region
Fourteenth Edition

Prepared for
The Northern Virginia Waste Management Board
March 2016

Northern Virginia Regional Commission

The Northern Virginia Regional Commission (NVRC) is a regional council of fourteen member local governments in the Northern Virginia suburbs of Washington DC. According to Virginia's Regional Cooperation Act, NVRC is a political subdivision (a government agency) within the Commonwealth (as of January 2016).

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Northern Virginia Waste Management Board Mission Statement

To strive for regional communication and solutions to waste management problems in Northern Virginia, and to work to facilitate regional cooperation wherever beneficial towards this purpose.

Memorandum of Agreement forming the
Northern Virginia Waste Management Program
February 24, 1989

Caveats

This report addresses sixteen separate solid waste planning units and governmental structures, including six counties, five cities, and four towns surrounding metropolitan Washington DC. Differences in state requirements, program organization and offered services limit comparisons between jurisdictions. Please consider the following caveats when reading this report:

Fees charged for solid waste may not cover the actual cost of performing the services provided. General funds may supplement fees shown in this report.

Public or private sector providers may serve localities. Jurisdictions may contract the "public" collection program to a private company, referred to as "contract" services in this report. "Private" services in this report refer to condominiums, homeowner associations, businesses, and individuals contracting independently for solid waste and recycling services with hauling companies.

Local government respondents may not receive reports of private collection information—thus the number of households and the waste generated do not always reflect the total population or waste generation. Reporting criteria vary depending on state and local requirements.

Multifamily and commercial waste and recycling generation data is difficult to collect, and some waste managers may not include commercial municipal waste generated within their boundaries: this data is collected and managed by the Commonwealth from the facilities that transfer or dispose of municipal waste.

Local services reflect the specific needs of their residents. Density of development and geographical differences also shape service needs. For example, drop-off facilities may work effectively for rural areas, while urban areas require frequent curbside collection.

Loudoun County and Prince William County do not provide public collection services but operate public landfills and extensive drop-off facilities for waste and recycling.

The City of Washington DC was not able to submit data for this year's report, thus program information remains the same, but the city did not contribute to recycling and waste disposal numbers.

Reporting cycles in this document are inconsistent. In Virginia, jurisdictions submit an annual Recycling Rate Report with waste generation calculated by the calendar year. Localities track funding and program data on the fiscal year aligning with budget cycles. Maryland jurisdictions and District of Columbia report differently. For this report, Montgomery and Prince George's have provided 2013 data, the most recent year certified by the state. Tables in the report identify whether the data reflects the calendar or fiscal year. Generally, programmatic information representing current conditions, tonnage and other data may be for 2014 calendar or fiscal year.

Reported tonnage can include duplication or omissions. In Virginia, commercial municipal waste data is collected and managed by the Commonwealth. Commercial data may be collected by localities from haulers, but data may be estimated or inconsistent with state reporting. Thus some managers do not have access to include or report on locally generated commercial waste and recycling. County services may only include county residents, not towns within. Maryland Department of Environment's Solid Waste Management and Diversion Report carefully addresses these inconsistencies. Currently, the Virginia Department of Environmental Quality is cross checking recycling rate data and solid waste information reporting.

Report Organization

The Northern Virginia Regional Commission (NVRC), which staffs the Northern Virginia Waste Management Board, produced this 2015 comprehensive report of public waste services and management practices in the Washington Metropolitan Region. Jurisdictions that reported data on waste include the Virginia counties of Arlington, Fairfax, Loudoun, and Prince William; the cities of Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park; and the towns of Dumfries, Herndon, Leesburg, and Vienna. The Report also includes programmatic information for the District of Columbia; and 2013 information for the Maryland counties of Prince George's and Montgomery. This report summarizes and provides analyses of the collected data where applicable.

The report is organized into two sections: summary and tables. The summary provides general information and trends drawn from responses detailed in the tables. The tables section provides specific information for each subject area related to waste management in the Washington Metropolitan Region.

In the summer and fall of 2015, waste managers in the Washington Metropolitan Region developed and completed a series of tables on local waste management programs, updating the 2012 waste report data with current, 2014, and some 2013 data. Data is self-reported, voluntary, and provides a qualitative overview of municipal solid waste programs. Since 2009, this report has been produced biannually. Please note that when the report switched to a biannual release, some 2012 data was not collected.

Sixteen jurisdictions reported data for 2015, including the Virginia counties of Arlington, Fairfax, Loudoun, and Prince William; cities of Alexandria, Fairfax, Manassas, and Manassas Park; and towns of Dumfries, Herndon, Leesburg, and Vienna. Beyond Virginia, the District of Columbia, and Prince George's County and Montgomery County, Maryland, participate. This is the first year that the Town of Dumfries has reported.

The 2015 report includes information on program funding, staffing, services, collection systems, waste generated, materials recycled, and the waste facilities available to local governments. In addition, the report provides maps of facilities used for recycling and disposal in the region, as well as "waste sheds" portraying the movement of waste and recyclables in and out of the region.

Information of interest to waste managers alters slightly from year to year. NVRC continues its use of national waste composition data provided in US Environmental Protection Agency (EPA)'s 2015 "Advancing Sustainable Materials Management: Facts and Figures 2013." NVRC used Maryland, Virginia, and regional references to provide national and state contexts. NVRC made use of Weldon Cooper 2014 population estimates for Virginia and U.S. Census data to estimate regional per capita waste generation. References are provided on page 18. Tables 23-29 list regional facilities.

Figure B: Loudoun County Materials Recovery

Metropolitan Washington localities provide 1.06 million households with solid waste services and 1.18 million households with recycling services, a decrease of 2 percent or ~25,000 households from 2012. The 2014 American Census Bureau American Community Survey estimates Northern Virginia with 848,948 households, Northern Virginia localities report providing waste service to 678,683 households and recycling service to 674,686 households, an estimated 79.9 percent of the households in the region.

The region continues to grow, both in population and household size. The Weldon Cooper Center for Public Service Demographics & Workforce Group estimates the 2014 Northern Virginia population to be 2,398,269, a 7 percent increase from the 2012 estimate of 2,231,000. 2014. 2014 Northern Virginia household estimates grew to 2.92 from 2.63 persons per household in 2012.

Northern Virginia disposed of 1.42 million tons of waste in 2014 (Tables 14 and 15), a reduction of 27,000 tons from 2012. The region diverted 995,349 tons, approximately 41.2 percent to recycling (Table 15). Most of the waste generated is disposed of in Northern Virginia. Sixty percent of waste disposed of in Northern Virginia region generates electricity in two waste to energy plants (Table 27).

Figure C: Processing Northern Virginia MSW (Tons)

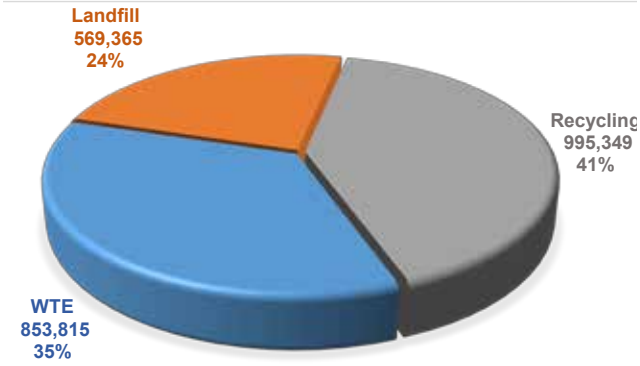


Figure C illustrates Northern Virginia's waste disposal and diversion s. Figure D shows the overall composition of waste disposed of and diverted by material.

This report provides reported recycling rates as well as calculations for the per capita generation and diversion for Northern Virginia using state waste and recycling reports, Weldon Cooper and US Census data.

The region's effective waste management and high rates of waste diversion depend on the extensive collection, drop off, special event and outreach services. In addition, most waste is managed within the region at one of the three WTE plants or three public landfills in the region. Local governments use a range of funding mechanisms and service delivery models summarized in this report.

Figure D Northern Virginia MSW Composition (Tons)

Material	2014	Percentage
WTE	853,815	37%
Landfill	569,365	24%
Yard Waste	270,927	12%
Metal	183,744	8%
Paper	168,124	7%
Commingled	138,653	6%
Cardboard	66,527	3%
Wood	27,841	1%
Oil	16,466	1%
Tires	13,345	1%
Plastic	7,327	0.3%
Textiles	4,580	0.2%
Batteries	4,546	0.2%
Electronics	4,184	0.2%
Antifreeze	2,998	0.1%
Shredded Paper	1,084	>0.1%
Glass	581	>0.1%
Oil Filters	435	>0.1%
Pallets	64	>0.1%

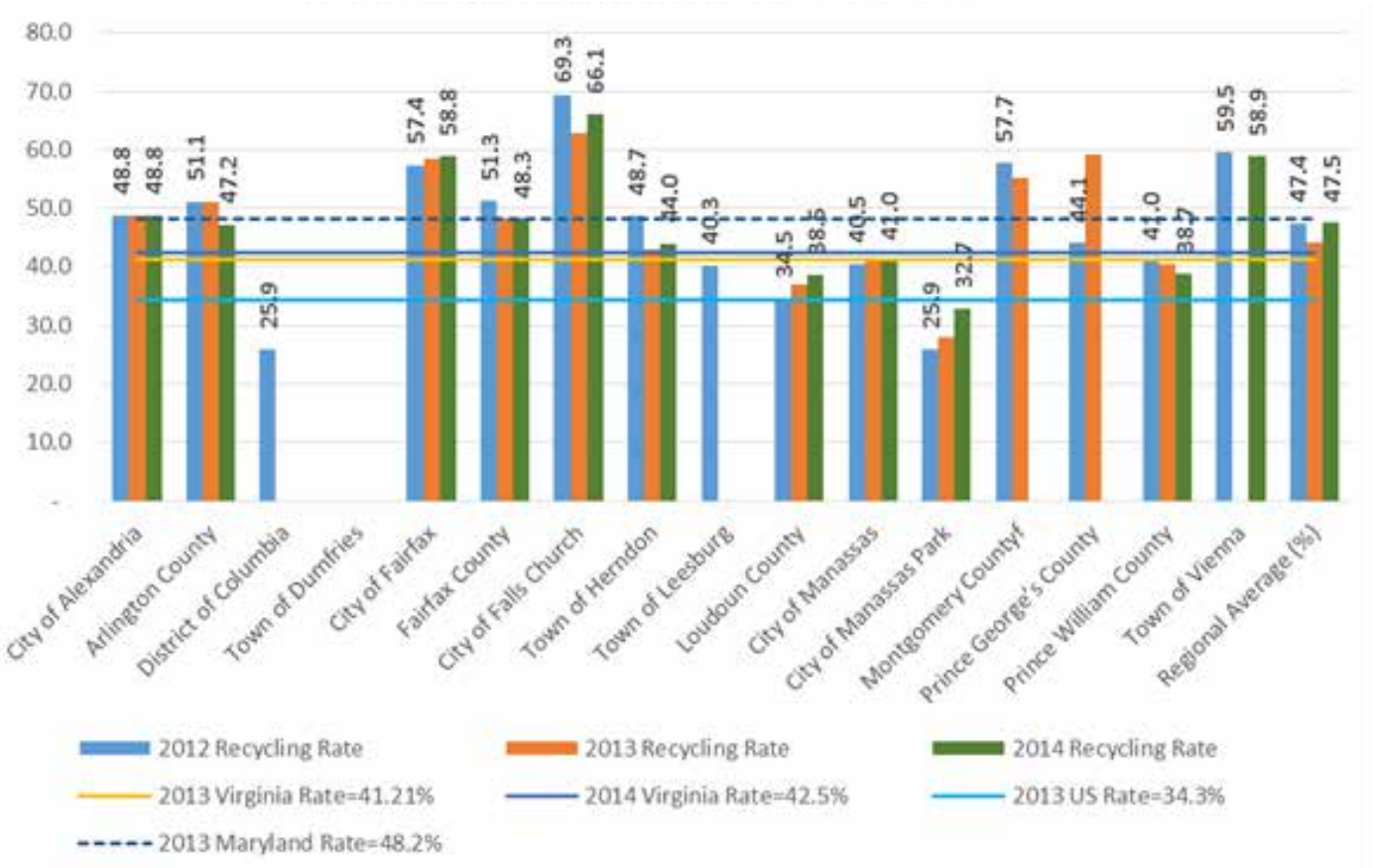
Recycling Rates

Recycling rates, though widely used important elements of successful waste management programs such as waste reduction and total waste generation. To accomodate this limitation, states offer a various credits for diversion, material reuse, and waste reduction activities. These credits vary in definitions and amount credited from state to state. Figure E illustrates local and state recycling rates and the national rate from Virginia, Maryland, and US EPA waste reports.

The regional average recycling rate reported by localities is 47.5 (including credits). Northern Virginia's 2014 recycling rate averages 51.7 percent, up slightly from 47.45 percent reported in 2012. Virginia's statewide 2014 recycling rate is 42.5 percent, Maryland's 2013 rate is 48.2 percent, and the 2013 national rate is 34.3 percent.

Northern Virginia's high recycling rate is impressive considering that the region comprises approximately 29 percent of the state's population: 2,398,269 of the 8,326,289 statewide population estimated by Weldon Cooper Center.

Figure E: Reported Recycling Rates 2012, 2013, 2014

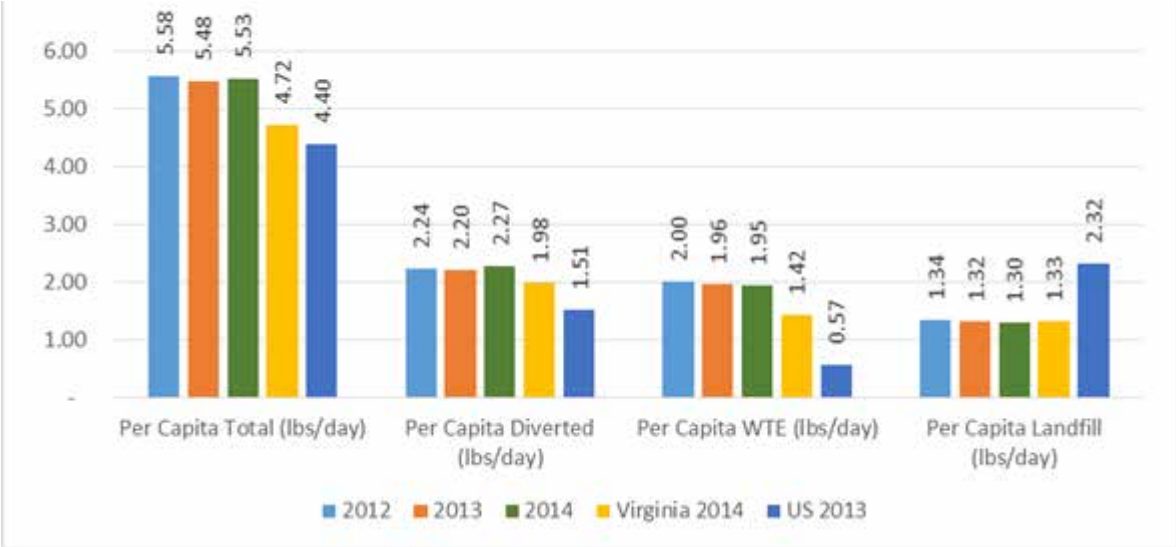


Northern Virginia per Capita Calculations

Per capita calculations capture the overall generation of waste per person, a factor missing from recycling rate assessments and vital for evaluating waste minimization efforts. Northern Virginia's per capita generation, recycling, and landfill disposal rates have been calculated and compared to to USEPA national and Virginia's reported waste and recycling data. Landfill and WTE rates for Virginia were estimated using the DEQ 2014 Solid Waste Report percentages. Northern Virginia 2014 per capita generation rate is 5.53 lbs./person/day, slightly lower than in 2012, but higher than Virginia's rate of 4.72 and 2013 US rate of 4.40 lbs./person/day. Northern Virginia generates electricity in waste to energy plants for 60 percent of disposed waste.

Figure F compares regional per capita waste generation and disposal with US EPA and Virginia data.

Figure F: Per Capita Waste Generation and Diversion



Regional Per Capita Calculations*

Per capita generation (lbs./person/day)=Tons generated/Population x 2000 (lbs./ton) / 365 (days/year)

2014 Total generation 5.53 lbs. generated/person/day = 2,418,529 tons NoVa generated/ 2,398,269 NoVa pop x 2000 lbs. per ton /365 days/year

2014 Per capita Recycling 2.27 (lbs./person/day) = 995,349 tons diverted / 2,398,269 NoVa Population x 2000 (lbs./ton) x 365 (days/year)

2014 Per capita Incinerated WTE 1.95 (lbs./person/day) = 853,815 tons diverted / 2,398,269 NoVa Population x 2000 (lbs./ton) x 365 (days/year)

Per capita Landfilled 1.30 (lbs./person/day) = 569,365 tons diverted / 2,398,269 NoVa Population x 2000 (lbs./ton) x 365 (days/year)

* USEPA, Sustainable Materials Management, Facts and Figures 2013, May 2015

To reconcile the full waste management scenario, particularly those counties and cities with multifamily housing, downtowns, or commercial sectors, commercial and institutional waste sectors can generate a large proportion of the total MSW. This can be important as the Virginia recycling rate report requires waste tonnages for institutional, household and commercial sectors, but does not specifically require recycling data. Not tracking all waste diversion can skew the overall recycling rate generated by local governments.

Eight jurisdictions collect or estimate commercial and institutional waste generation data: City of Alexandria, Arlington County, City of Fairfax, Fairfax County, City of Falls Church, Town of Herndon, Town of Leesburg, and the City of Manassas Park. Figure G indicates the proportion of waste generated from commercial versus residential versus institutional sources.

Of the eight jurisdictions reporting commercial and institutional sectors, six generate higher percentages proportions of commercial than residential waste. Leesburg and Manassas Park report generating a larger proportion residential than commercial generation. These waste generation numbers do not correlate to recycling data which is not collected for commercial facilities on the recycling rate report. In addition, the Virginia DEQ does not regulate, register, or permit recycling facilities, so little or no data is available for commercial recycling except for those localities that require such information. Several jurisdictions require hauler or dumpster permits/registrations and reporting, which offers recycling data. Arlington, Alexandria, Fairfax, Loudoun County, Manassas, Manassas Park, and Prince William County require hauler permits and reporting. Waste programs in localities may not have access to the census of businesses in their jurisidiction, so the total commercial sector may not be identified, though local government is responsible for ensuring capacity and proper management of all waste and recycling in their jurisdiction.

Figure G: Waste Distribution

	Commercial/Residential / Institutional Sector Percentages	
Jurisdiction	CY 2013	CY 2014
Alexandria	63/32/5	60/34/6
Arlington	54/35/7	69/29/2
Fairfax City	73/27/NR	73/27/NR
Fairfax County	55/45/NR	55/45/NR
Falls Church	60/40/NR	59/41/NR
Herndon	60/40/NR	60/40/NR
Leesburg	22/78/NR	22/78/NR
Manassas Park	25/55/21	29/53/18
Prince William County	60/32.5/7.5	60/32.5/7.5

NR = Not Reported

Figure H: Commerical Waste and Recycling Dumpster, Prince William County

All jurisdictions offer waste management services and most have specific waste management regulations.

Single Family Requirements

All sixteen jurisdictions include disposal and recycling authorities in local codes. All jurisdictions require recycling services for residential properties and expect or require single family homes and townhouses to recycle. Nine of fifteen jurisdictions require offer recycling services to townhome residents; Arlington, Alexandria, and Fairfax County offer the same requirements as for single family homes. Some jurisdictions reported continued challenges effectively educating residents about recycling practices, resulting in tainted waste streams. Additionally, illegal dumping remains a problem in some jurisdictions, particularly for CDD waste. A full description of materials collected, available at drop-off centers, special collections, and any associated fees are summarized in tables throughout this report. (Table 1)

Multifamily Requirements

Eleven of the sixteen jurisdictions require recycling services for multifamily housing, with nine requiring recycling plans. Nine jurisdictions require recycling plans: City of Alexandria, Arlington County, City of Fairfax, Fairfax County, City of Falls Church, Town of Herndon, Montgomery County, Prince George's County, and Prince William County. Arlington County requires all multifamily and commercial properties to resubmit their recycling plans every three years, the City of Alexandria requires a new report every two years, and Montgomery County and Prince George's County require reports be submitted annually. Fairfax County does not require that the reports be submitted, but multifamily properties must maintain a plan and have it available on site. (Table 2)

Commercial Requirements

Ten jurisdictions have mandatory recycling requirements and require recycling plans for commercial businesses: City of Alexandria, Arlington County, City of Fairfax, Fairfax County, City of Falls Church, Town of Herndon, Montgomery County, Prince George's County, and Prince William County. They reported approximately 3,800 commercial recycling plans. Commercial requirements often vary from residential requirements. For example, Loudoun County requires businesses to recycle at least one PRM and the City of Alexandria requires two PRMs. In Falls Church, all businesses are required to meet the recycling objectives established by the city council. (Table 3)

Hauler Requirements

Hauling companies provide localities with critical information on private and commercial waste generation and recycling data unavailable from other sources for many jurisdictions. Hauler data supports local waste management planning and satisfies state reporting requirements. Hauler information can also verify other waste management data and provides a more accurate picture of waste generation and flow within the locality. Nine jurisdictions require permits or registration of haulers, either by company, trucks, or containers: City of Alexandria, Arlington County, Fairfax County, Loudoun County, City of Manassas, City of Manassas Park, Montgomery County, Prince George's County, and Prince William County. The Towns of Falls Church, Herndon, Leesburg, and Vienna require hauler registration from their surrounding county. Hauler registration and permitting applies to trash, recycler, specialty haulers, and retail back haulers. Reported permit costs range from $10-$30 per vehicle in the City of Manassas to $100-$350 per vehicle in Prince George's County. While many jurisdictions attempt to collect recycling reports from haulers, it is generally voluntary on the part of the haulers to complete and return them. (Table 4)

Figure I: Central Recycling Processing at Prince William County Landfill

Household Collection

Collection services vary by location, trash and recycling is either collected by public staff, by municipally contracted haulers, or by private contractors hired through individual residents, homeowners associations, or property owners/managers.

Loudoun and Prince William Counties operate landfills and recycling drop-off centers but do not provide collection services for residents. Fairfax, Montgomery, and Prince George's Counties offer public collection for portions of their jurisdictions, with the remainder privately managed. In Fairfax County, 43,932 households receive County collection service, while the remaining of the 352,434 households contract privately for service. Prince George's County has the largest public disposal collection program, serving 165,536 households, followed by Montgomery County with 90,986. Commercial and multifamily properties in most localities use privately contracted waste and recycling services. In many cities and towns, waste is collected by city and county staff, or collected through municipal contracts with private haulers.

Figure J: Fairfax County Collection

Outreach and Education

Of the sixteen localities surveyed, thirteen currently support an outreach program to educate communities on proper disposal and recycling methods. The Town of Dumfries plans to create such a program for the year 2016. Outreach budgets range from the Town of Herndon's $5,100 to Montgomery County's $177,000. Many localities do not separate out an outreach budget from more generalized funds. Most localities that provide outreach services utilize printed materials and an increasing number are distributing information via social media.

Thirteen of the sixteen jurisdictions offer support services for non-English speakers and the City of Fairfax has a program to assist the hearing impaired. These services include bilingual staff members, a contract for translation services, or printed materials offered in multiple languages. While most multilingual programs are targeted at Spanish speakers, throughout the region, services are also offered in Korean, Vietnamese, Russian, German, French, Farsi, Amharic, Chinese, Japanese, and more.

Additionally, eight jurisdictions offer financial support to bolster regional outreach services, particularly the Metropolitan Washington Council of Governments' "Go Recycle" program.

Local waste programs and services vary in response to resident needs. Two jurisdictions, Loudoun County and Prince William County, do not provide collection but operate public landfills and extensive recycling drop off opportunities. Other jurisdictions offer a range of collection and recycling services. Figure K summarizes funding sources for each jurisdiction.

Six jurisdictions report annual solid waste service charges that range from $70 per single-family household annually in Prince William County (which does not offer collection services), to $395 per household in the City of Fairfax. Arlington County uses fees for both refuse and recycling, and includes containers for recycling and trash. Refuse and recycling services are funded as follows (Table 9).

Refuse

Six jurisdictions fully cover refuse service costs with user fees. Seven jurisdictions operate refuse programs from the general fund. The City of Alexandria, Arlington County, and the City of Falls Church rely on both the general fund and user fees for refuse program operation.

Recycling

Six jurisdictions operate recycling programs using general funds, five rely on user fees. The City of Alexandria, Arlington County, District of Columbia, the Town of Herndon, and Loudoun County fund programs with a combination of fees and general funds.

Special Fees

Aside from normal collection, many residents require additional services for a variety of items. These include bulky items, electronics, appliances, and yard waste often require additional fees (Table 8). Appliance pickups are charged a fee in the City of Alexandria, Arlington County, and the City of Falls Church. Fairfax County's MegaBulk program offers residents curbside special collection services, available at an additional fee. The City of Fairfax does not levy any additional collection fees. Arlington County, Fairfax County, Loudoun County, and Montgomery County all report additional fees for certain drop-off services. Prince William County charges fees for the disposal of more than four tires.

Contract Costs

Six jurisdictions contract collection services for refuse and/or recycling. Seven jurisdictions use contract services for refuse collection. Five jurisdictions reported monthly contracting fees that range from $4.01 for refuse collection in Montgomery County, to $14.72 per household for refuse in the City of Manassas. Recycling fees range from $2.67 for the City of Alexandria to $6.56 for Montgomery County. Services and contract mechanisms offer a wide range of options. (Table 10)

Figure K: Fee Structures for Solid Waste Programs

Jurisdiction	Funding Sources			
	Refuse		Recycling	
	General Fund	Special Fee	General Fund	Solid Waste Fee
City of Alexandria	◆	◆	◆	◆
Arlington County	◆	◆	◆	◆
District of Columbia	◆		◆	◆
Town of Dumfries	◆		◆	
City of Fairfax	◆		◆	
Fairfax County		◆		◆
City of Falls Church	◆	◆	◆	
Town of Herndon	◆		◆	◆
Town of Leesburg	◆		◆	
Loudoun County		◆	◆	◆
City of Manassas		◆		◆
City of Manassas Park	◆		◆	
Montgomery County		◆		◆
Prince George's County		◆		◆
Prince William County*		◆		◆
Town of Vienna	◆		◆	

*Prince William County charges a per household Solid Waste Fee but does not provide collection.

Tip Fees

Figure L: Disposal Tip Fee Trends

Jurisdiction	CY/FY	2009	2010	2011	2013	2014
City of Alexandria	FY	$77.45	$78.34	$82.91	$43.16	$43.17
Arlington County	FY	$77.45	$78.34	$82.91	$43.16	$43.16
District of Columbia	FY	$53.35	$47.27	$47.27	$50.62	NR
Town of Dumfries	FY	NR	NR	NR	NR	NR
City of Fairfax	FY	$49.95	$55.00	$54.00	$54.00	$56.00
Fairfax County	FY	$55.00	$55.00	$53.00	$53.00	$53.00
City of Falls Church	CY	$49.95	$55.00	$53.00	$53.00	$53.00
Town of Herndon	CY	$49.95	$55.00	$54.00	$54.00	$54.00
Town of Leesburg	CY	$60.00	$60.00	$60.00	$62.00	$62.00
Loudoun County	FY	$60.00	$60.00	$60.00	$62.00	$62.00
City of Manassas	CY	$54.00	$54.00	$54.00	$57.45	$59.48
City of Manassas Park	CY	$55.00	$55.00	$55.00	$55.00	$55.00
Montgomery County	FY	$56.00	$56.00	$56.00	$56.00	$56.00
Prince George's County	FY	$49.00	$49.00	NR	NR	NR
Prince William County	CY	$45.00	$45.00	$45.00	$45.00	$45.00
Town of Vienna	CY and FY	$55.00	$55.00	$55.00	$55.00	$55.00
Average		**$56.47**	**$57.20**	**$58.01**	**$53.10**	**$53.60**

Following the significant drop in tip fees in 2012/2013, current tip fees remains stable, rising slightly from an average fee of 53.25 to 54.45 in the region. Arlington and Alexandria's renegotiated disposal contract with the waste-to-energy facility operator lowered fees from $82.91/ton reported in 2011 to $42.31/ton, the lowest fee in the region. Figure H summarizes tip fees trends by jurisdiction.

Disposal

Sixty percent of Northern Virginia's waste is disposed of via waste-to-energy plants, a rate substantially higher than the 12.7 percent reported in Virginia and 12.9 percent reported nationally . Most municipal waste is managed within Northern Virginia, either at locally administered public landfills or locally situated waste-to-energy plants. Facilities used by localities are listed in Table 23.

For the twelve jurisdictions reporting between 2012 and 2014 in Northern Virginia, disposal tonnages remained relatively steady: 2012 generated 1,446,017 tons, 2013 generated 1,409,057 tons, and 2014 generated1,417,962 tons. The tonnages fluctuate, the last three years remain lower than 2009 and 2010. For some jurisdictions, such as City of Fairfax and Manassas, the jump in disposal figures may have to do with changes in reporting. Figure M and N illustrates regional disposal since 2008.

Figure O maps disposal facilities used by localities throughout the region.

Figure M: Appliance Pickup, Fairfax County

Figure N: Regional Disposal - Larger Jurisdictions (Tons)

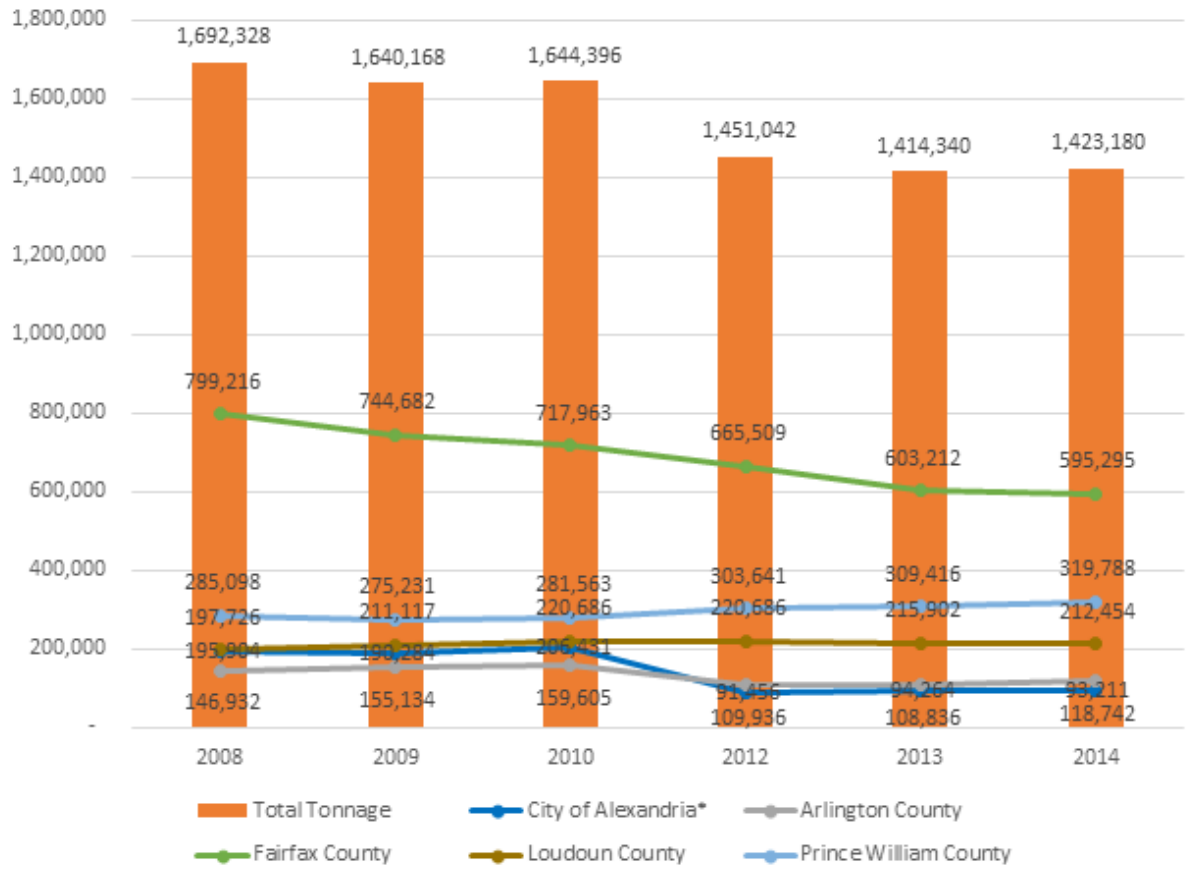


Figure O: Regional Disposal - Smaller Jurisdictions (Tons)

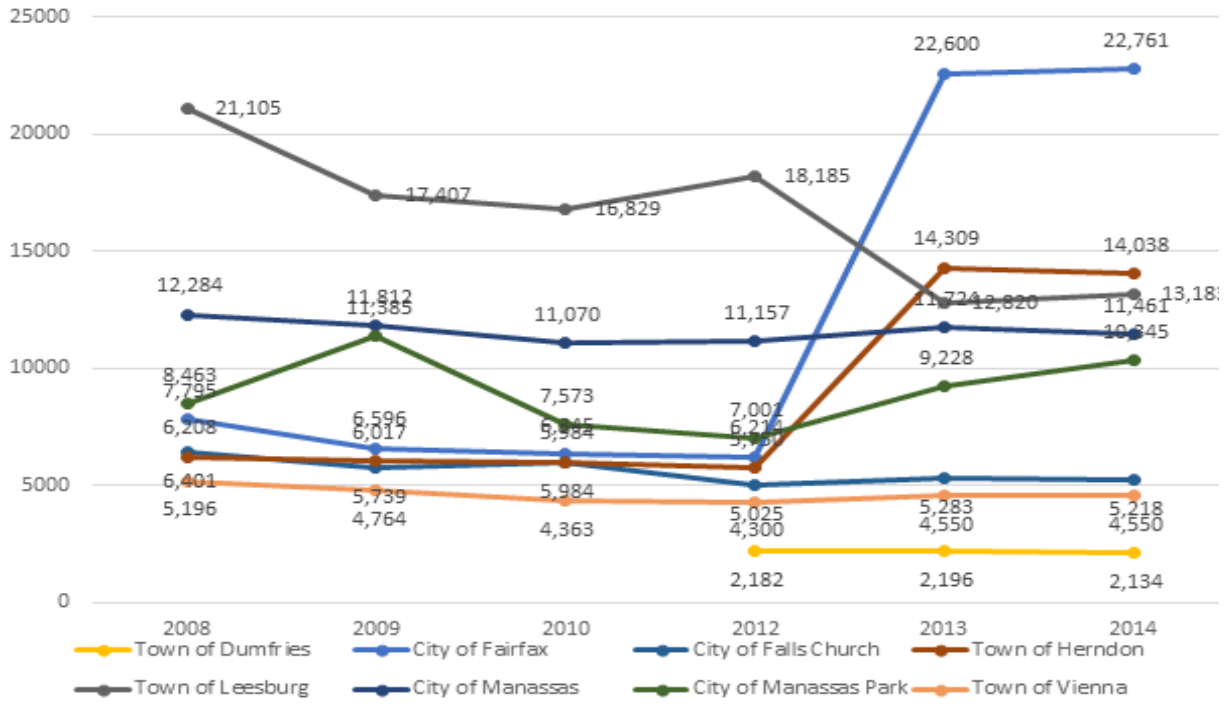
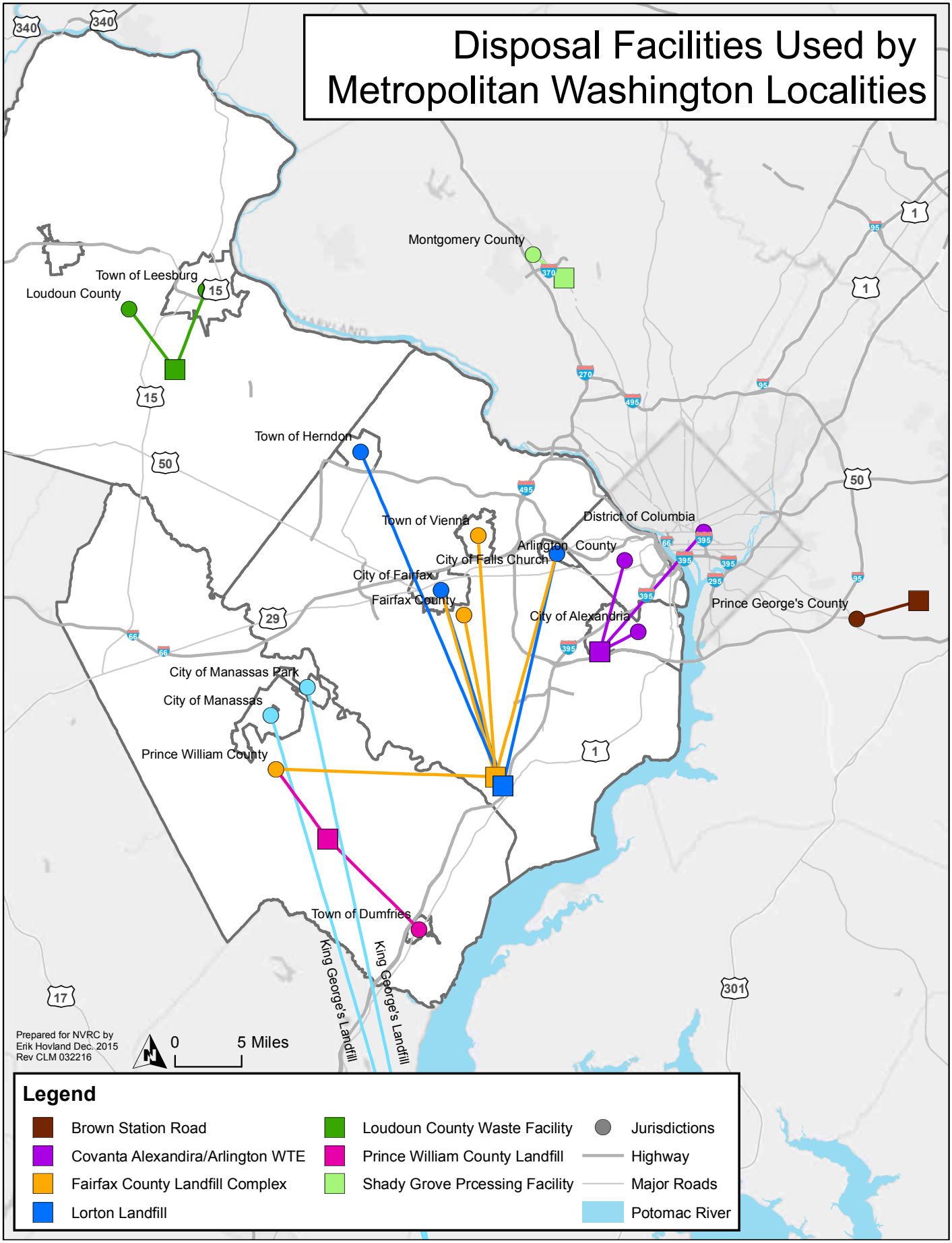


Figure P: Map of Disposal Facilities Used by Localities



Overall diversion of materials increased slightly between 2013 and 2014, dropping by about 120,341 from 2012 levels. Though total principal recyclable materials (PRMs) rose slightly since 2013, yard waste, metal, paper, commingled, tires, plastic, textiles, paper, plastics, glass, shredded paper, and pallets dropped. Some of this change is due to a drop in collection of materials, some is also due to fewer items reported and tracked by localities. Metal, paper, plastic, textiles, shredded paper, glass, oil filters, and pallets dropped at least one jurisdiction reporting. Electronics, batteries, and oil filters represent the only increases in tonnages from localities reporting. Figures P and Q chart Northern Virginia tons collected by commodity. Figure R maps processors receiving metals from local waste programs. Figure S maps recycling processors receiving principal materials recycled from local programs.

Tables 14 through 22 summarize recovery and diversion programs offered in the region, including yard waste, brush, and leaf collection, metals collection, construction and demolition debris, household hazardous waste collection, and conditionally exempt small quantity generator programs for small businesses.

Figure Q: Northern Virginia Material Diversion 2012-2014

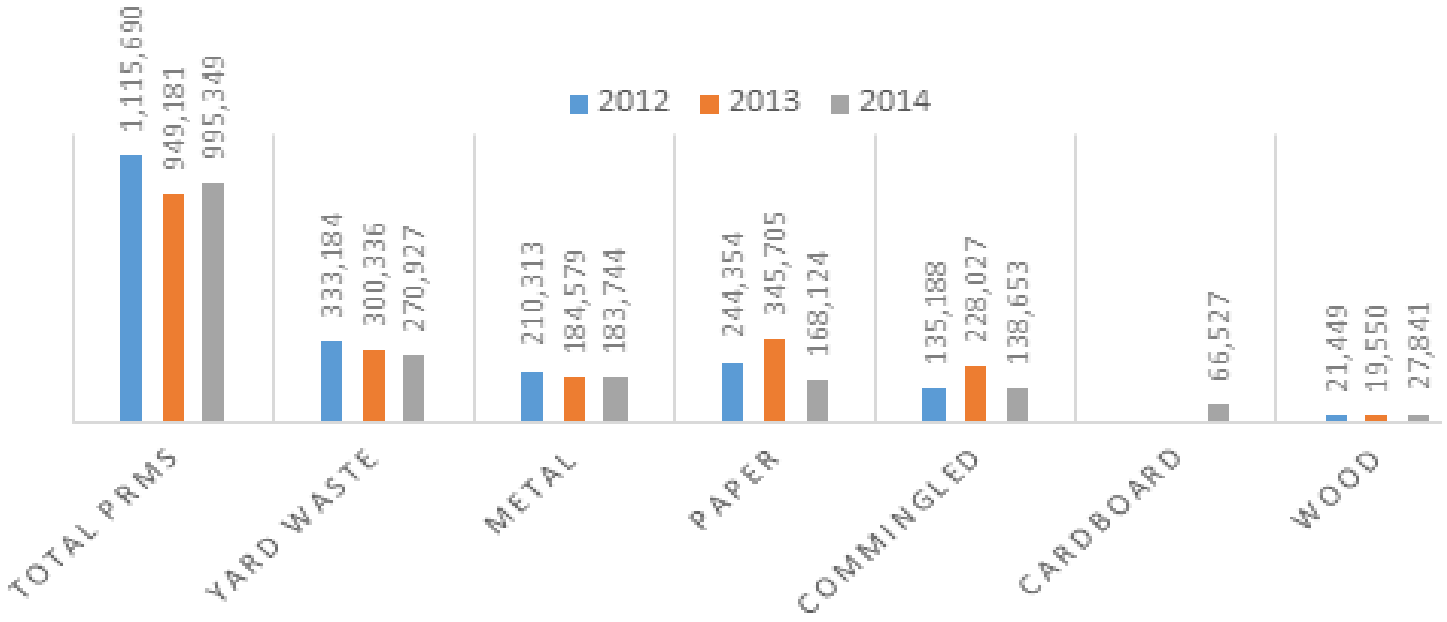


Figure R: Material Diversion 2012-2014

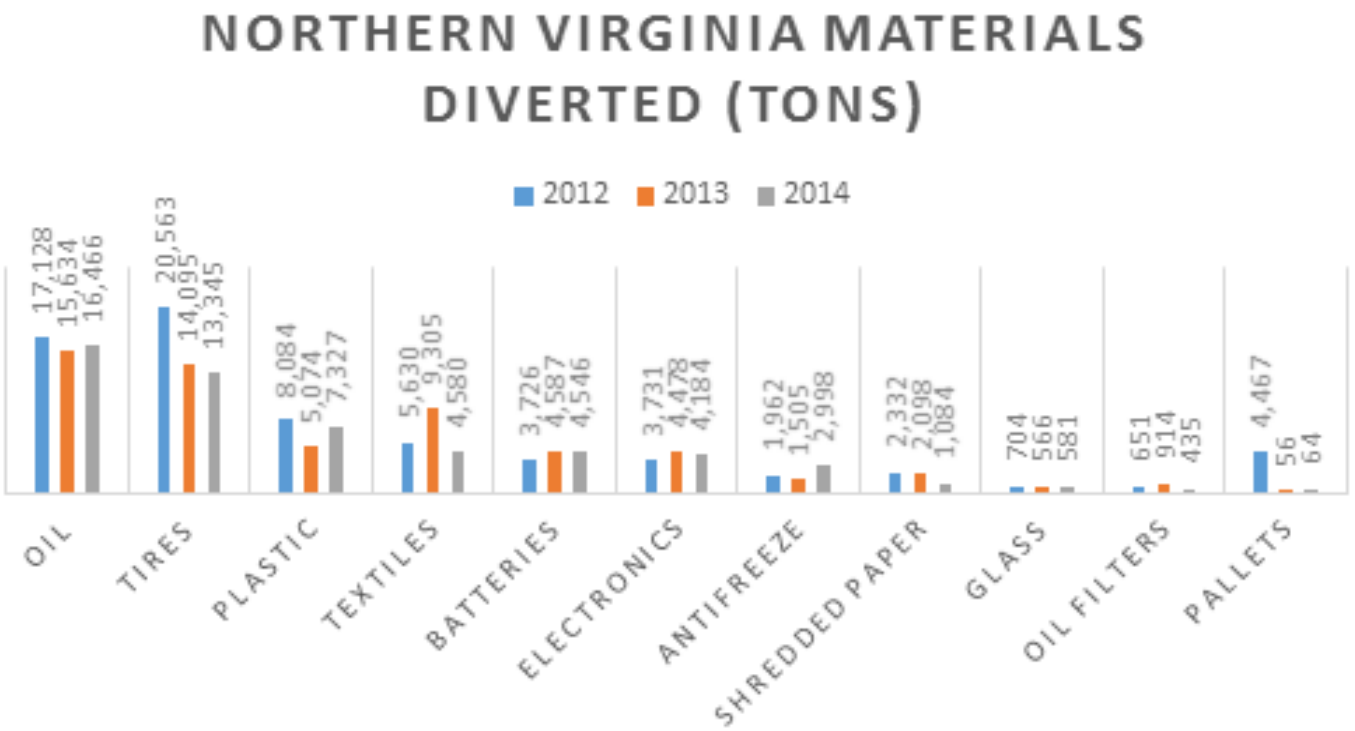


Figure S: Map of Metals Collection

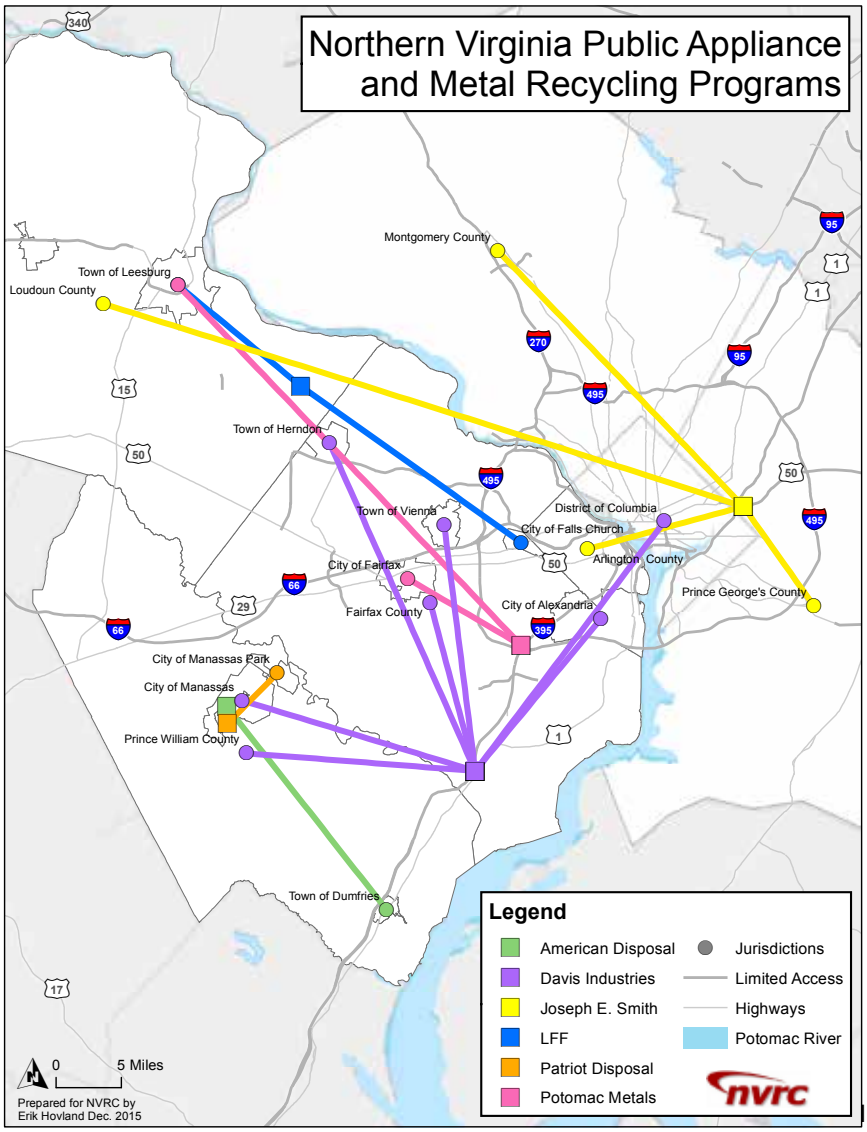
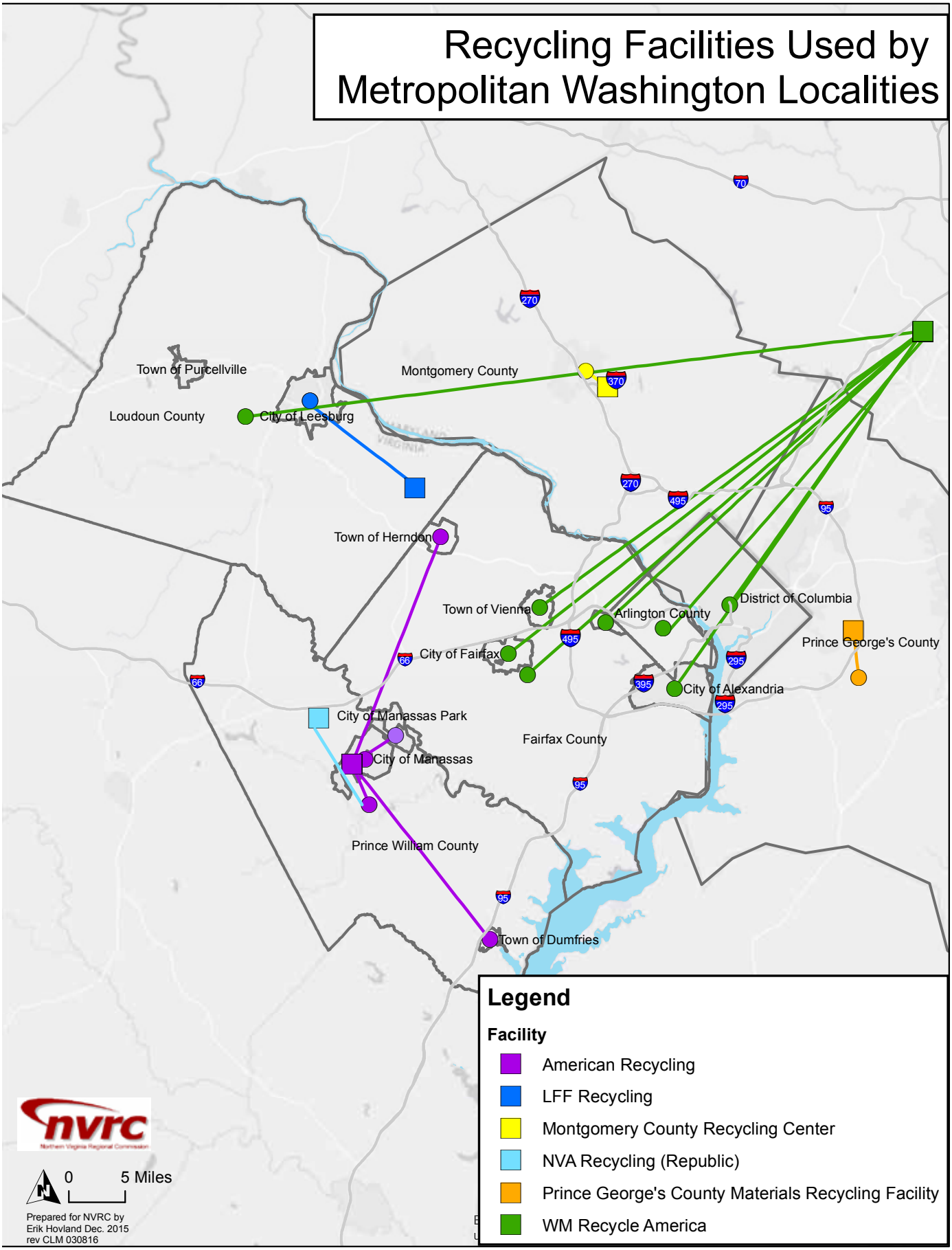


Figure T: PRM Processing



Waste Program Initiatives in Northern Virginia

Current Initiatives undertaken in Northern Virginia include the following.

- Cities of Alexandria and Falls Church offer food waste composting services at local farmers markets.
- City of Alexandria has updated its institutional collection to increase worker safety through the purchase of a new front loader truck.
- Arlington County is in the process of offering year round, curbside yard waste collection services with bins.
- Arlington County Board is exploring zero waste policies to increase recycling and reduce waste generation in the County.
- Fairfax County has piloted the separation and marketing of recycled cardboard from County facilities.
- Fairfax County provides daily household hazardous waste management services for residents at two locations in the county. The County doubled the number (6) of hazardous waste disposal events for small businesses in Fairfax County. These events allow small businesses to properly dispose of hazardous wastes generated at their businesses for a nominal fee. The County also provides usable latex paint collected at household hazardous waste facilities to Habitat for Humanity's ReStore program for sale and reuse at ReStore locations throughout the state.
- City of Fairfax developed a comprehensive new Solid Waste Management Plan for the City.
- Prince William County is in the process of designing upgrades to the Balls Ford Road organics facility including anaerobic digestion in an agreement with Freestate Farms, LLC.
- Prince William County opened a new household hazardous waste collection facility at the county landfill complex.
- The Town of Vienna is preparing pilot a voluntary food waste recycling program.

Waste Program Challenges

Waste managers continue to face challenges that include the following:

- CDD: Nine out of the sixteen jurisdictions who participated in this document reported that CDD was a problem in their locality. The limits in reporting mechanisms result create a problem for local waste managers in regard to data collection. It is often difficult for the localities to know whether CDD is being recycled or disposed of as waste. Additionally, the City of Fairfax reported that CDD has become a challenge for city staff because some contractors leave it on the curb as residential waste rather than self-hauling as mandated by ordinance.
- Achieving greater diversion from waste streams: EPA's waste characterization and other studies of disposed waste characteristics show that a large proportion of traditionally recycled materials such as paper, bottles, and other packaging remain in the trash, an opportunity for greater diversion to recycling.
- Dumping: Localities continue to be faced with the problem of illegal dumping, particularly materials not commonly collected in trash or recycling.
- Tracking residential, commercial, and institutional sector data: Local waste programs are held to state mandated recycling rates and are required to report complete waste generation and recycling tonnages for waste generated within local boundaries. In addition, localities are responsible for the proper management and ultimate disposal of municipal waste. However, most programs only have control and data for residential and some multifamily sectors. Commercial and institutional sectors generate the majority of waste in the region. Commercial waste is defined as businesses, and some jurisdictions include multifamily properties such as condominiums and apartment complexes. Most commercial, multifamily, and institutional programs privately contract for waste collection services. To further complicate matters, recycling and disposal facilities that receive local waste report directly to the state. This information is not shared with localities, even though local governments are responsible for waste management and planning.
- Hauler Permitting: Jurisdictions, particularly those with disposal facilities, require business recycling plans and permit waste and recycling haulers to capture critical data for local waste planning.
- Multifamily Recycling: Multifamily recycling lags behind commercial and other household sectors. An initial examination of recycling rates by different sectors indicates that multifamily sectors have the lowest recycling rates, dragging down the overall waste diversion in localities. Commercial rates also fare less effectively than household recycling.
- Education: Even the best waste management systems are going to face problems if residents aren't informed as to how to properly use them. Although thirteen jurisdictions currently provide some outreach services to their continuants, many still find it difficult to get residents to comply with their disposal and diversion standards and regulations. Montgomery County, who has the largest outreach budget in the region ($177,000), still reported Public Education and Outreach as an ongoing challenge.

Author	Title	Date
VA DEQ	2015 Solid Waste Managed in Virginia During Calendar Year 2014	June 2015
VA DEQ	Active Solid Waste Facilities in VA	May 8, 2009
MD DEP	Maryland Solid Waste Management and Diversion Report - 2013, 2011 Data	November 2014
VA DEQ NA	Email with permitted daily rate info	February 9, 2009
VA DEQ	The Virginia Annual Recycling Rate Report, Calendar Year 2014 Summary	November 2015
US EPA	Sustainable Materials Management in the United States, 2014	May 2015
Weldon Cooper Center for Public Service Demographics and Workforce	July 1, 2015 Population Estimates for Virginia and its Counties and Cities. www.coopercenter.org/demographics/	November 2015

ACRONYM/TERM	DEFINITION
AL	Aluminum, usually cans, can also refer to foil.
BASE	Some jurisdictions require a base fee for all homeowners, with extra services added with additional fees.
CDD, C&D	Construction and demolition debris
CESQG	Conditionally Exempt Small Quantity Generator, a generator of hazardous waste/materials less than the federally designated amount required for permitting as a hazardous waste generator under federal solid waste law, the Resource Conservation and Recovery Act (RCRA).
CONTRACT SERVICE	Private companies contracted to collect for local governments.
PRIVATE SERVICE	Privately operated collection service/facility arranged by individual homeowner, property manager, or homeowner association.
PUBLIC SERVICE	Publicly operated collection service or facility operated by local government staff.
COMMINGLED	Glass, plastic, aluminum, and other metal food containers collected together.
CY/FY	Calendar Year (January 1- December 31), Fiscal Year (July 1 – June 30)
DUAL STREAM	Combines food and beverage containers (aluminum and steel cans, glass jars and bottles, and some or all plastic bottles) in one bin, and separate newspapers and/or mixed paper (such as junk mail, cereal boxes, and home office paper) in another bin, or a brown paper grocery bag
GENERAL FUND	Local government funds collected by general taxes, fees and licenses
HHW	Household hazardous waste
HOA	Homeowner's association
MF/MFDU	Multifamily/multifamily dwelling unit. Definitions for multifamily units vary by jurisdiction, examples include apartments and condominiums.
MRF	Materials recovery facilities process and sort recycled materials into individual commodities to sell for further processing or product manufacture.
MSW	Municipal solid waste.
MTS	Municipal transfer station, waste is hauled to transfer station, where it is consolidated for disposal.
NA	Not applicable
OBM	Official Board Markets, used to determine pricing for different grades of recycled paper.
OCC	Old cardboard containers
PERMITTING FEE	Additional fee charged for permitting dumpsters, trucks, or companies doing business in jurisdiction.
PRINICIPAL RECYCLABLE MATERIAL (PRM)	The recyclable material that comprises the largest percentage of a property's waste stream. The list of acceptable recyclables varies by jurisdiction.
RECYCLING RATE	Percentage of materials diverted from disposal for recycling from the entire amount of waste generated. Definitions for recycling vary between states and by jurisdictions.
SINGLE STREAM	Collection of all common household recyclable materials, excluding yard waste, into a single recycling container.
SF	Single family home.
SWMF	Solid waste management facility, including landfill, waste to energy plant, or transfer station
TH	Townhouse
TPY	Tons per year
TRANSFER STATION	Facility that consolidates collected solid waste before transport to disposal landfill or incinerator.
USER FEE	Disposal and/or collection fees charged by type of household, other criteria set by jurisdiction
WTE	Waste-to-energy, or resource recovery facility. Incinerates solid waste and generates electricity.

Table 1: Residential Recycling Requirements and Authorities 2015

Jurisdiction	Sectors and Recycling Collection Requirements	Recycling Authority	Comments/Major Challenges
City of Alexandria	Residential, MF, businesses, churches, government	ORDINANCE NO. 4438, Article H (RECYCLING) to Title 5 Chapter 1 (SOLID WASTE CONTROL) of The Code of the City of Alexandria, Virginia. http://alexandriava.gov/uploadedfiles/tes/solidwaste/info/recyclingordinance.pdf	
Arlington County	SF, TH (constructed after 7/2003), churches, County government facilities, businesses, and MF: mixed paper, metal cans, aluminum, glass, plastic, and metal items.	Chapter 10, ARTICLE IV. RECYCLING, http://www.arlingtonva.us/departments/CountyBoard/CountyCode/file74506.pdf	Adopted Code amendments, effective January 1, 2016: Public recycling receptables must be co-located next to trash receptacles in areas where recyclable materials are likely to be generated. Applicable to multi-family dwellings, restaurants, hotels, and other commercial businesses.
District of Columbia	SF, TH, MF (up to 3 unit buildings)	DC Law 1001 formally DC Law 7-228	December 10, 2010 changes to the DC recycling regulations
Town of Dumfries	Not required	Town of Dumfries Code of Ordinances, sections 46-41, 46-4, 46-43, 46-53	Next fiscal year will start a program and education campaign.
City of Fairfax	All residential and nonresidential; SF, TH, MF, businesses, churches, government must recycle cardboard, newspaper, glass, cans and plastics	Section 74-11. http://www.municode.com/resources/gateway.asp?pid=10127&sid=48	Construction debris from SF/TH contractors leaving CDD on curb for City staff instead of self hauling.
Fairfax County	SF and TH: glass containers, metal food and beverage containers, plastic bottles and jugs, yard waste, scrap metal, cardboard, mixed paper. MFDUs: Mixed paper and cardboard, container glass, plastic bottles and jugs, cans, metal food and beverage containers and scrap metal. Non-Residential: Mixed Paper and Cardboard. Some nonresidential locations may have to recycle one additional PRM.	Chapter 109.1 Fairfax County Code	Electronics recycling every day at the Transfer Station and 95 complex. Household HHW collection every day at the Transfer Station and 95 Complex.
City of Falls Church	All residences receiving City solid waste collection also receive curbside collection of recyclable materials. The schedule for collection is set by the City Manager (currently weekly). Voluntary participation. Owners and licensees of all residential MF and TH which receive private refuse collection service must provide for collection of recyclable materials. The implementation schedule, frequency of collection, and types of materials collected are determined by resolution. Voluntary participation. Any business operated for profit must recycle Principal Recycled Materials (PRM), according to City Code. A City Manager decree determined that recycling is mandatory for all businesses.	Chapter 34 http://library.municode.com/index.aspx?clientId=14329&stateId=46&stateName=Virginia	

Table 1: Recycling Requirements and Authorities 2015 (Continued)

Jurisdiction	Sectors and Recycling Collection Requirements	Recycling Authority	Comments/Major Challenges
Town of Herndon	The Town of Herndon has changed the material they collect from dual to single stream recycling. The collection is done on Wednesday and currently toters up to 64 gal and no more than 50 lb have been approved for curbside collection use. Must use cans for refuse and curbside recycling pickup.	Section 62 Town of Herndon Code of Ordinance - Solid Waste	In FY16 the town will begin implementing a partial automated collection service. This will allow qualifying residential properties to increase container sizes. Solid Waste Ordinance will be revised accordingly.
Town of Leesburg	For SF, TH, and curbside businesses, all recycling is voluntary: commingled newspapers, magazines, glass cans, No. 1-No. 7 plastics, cardboard, and paperboard. Yard waste is also recycled. One drop-off center separate cans, glass, plastic, mixed paper, and cardboard.	Chapter 28, Town Code	We are actively seeking a location for a second drop-off location.
Loudoun County	All sectors have mandatory recycling. Nine recycling drop-off centers collect separated cans/glass containers/plastic bottles, mixed paper, and cardboard from residents and businesses. Permitted solid waste collectors that are classified as 'Major' must provide curbside collection of newspapers, magazines, glass, metal, cans, plastic beverage and detergent containers, cardboard, paperboard, and yard waste. Non-residential customers and sources are required to recycle at least one item that they generate annually in the largest quantity; this can be determined as sole source or multi-tenant source, depending on how the solid waste collection program is contracted.	1084 and 1086 Loudoun County Ordinance	Loudoun County Solid Waste Management Planning Workgroup that met in January/February 2011 recommended that Chapter 1086 be amended to broaded business recycling requirements.
City of Manassas	All residential and commercial recycling is voluntary.	City of Manassas Ordinance Chapter 98 - Solid Waste http://www.manassascity.org/index.aspx?nid=1803	Will be undertaking a review of the Solid Waste Code in FY2017
City of Manassas Park	All residential and commercial recycling is voluntary.	Chapter 12, City Code	Public Outreach/Education, collecting accurate recycling data from businesses, illegal dumping due to lack of access to landfill facilities and exhorbitant cost of Transfer Staion events.
Montgomery County	Executive Regulations 15-04AM and 18-04. Available on-line.	Montgomery County Code Chapter 48. Available on-line.	

Table 1: Recycling Requirements and Authorities 2015 (Continued)

Jurisdiction	Sectors and Recycling Collection Requirements	Recycling Authority	Comments/Major Challenges
Prince George's County	MF required to provide recycling with three or more units; minimum recycling of newspapers and commingled; businesses not mandatory but encouraged; mandatory reporting	County Code Subtitle 21 Refuse	
Prince William County	All sectors (residential, commercial, and multi-family) required to recycle. Residents and condominiums required to recycle newspapers, mixed paper, glass, plastic bottles, and metal cans. Commercial and non-residential properties (including apartments) are required to recycle one PRM	Chapter 22 Article VII of the Prince William County Code	Organics recycling and multi-family recycling.
Town of Vienna		Chapters 13 and 13A of Town Code http://library.municode.com/index.aspx?clientId=14916	

Table 2: Multifamily Residential Services and Requirements 2015

Jurisdiction	Requirements			Materials											
	Mandatory	Recycling Plan/ Report Required	Approximate Number of Recycling Plans and Reports	Principal Recyclable Material	Cans	Cardboard	Glass	Holiday Trees	Leaves	Metals	Mixed Paper	Newspapers	Plastic	Yard Waste	MF Comments
City of Alexandria	✔	Plans required every two years	N/A - Combined with Commercial Plans	The complete set of state listed PRM's is not required to be recycled.	✔	✔	✔			✔	✔	✔	✔		
Arlington County	✔	✔	1,400 (includes both Commercial and Multifamily properties)		✔	✔	✔			✔	✔	✔	✔		Expected to continue to expand outreach and to have recycling plans submitted on a more frequent basis, including this year.
District of Columbia	✔	Recycling Plan no longer required - change in fine structure - added plastic and clarified OCC included -	N/A	✔	✔	✔	✔			✔	✔	✔	✔		
Town of Dumfries				✔	✔	✔	✔	✔	✔	✔	✔	✔	✔		Dumfries considers multifamily as part of residential
City of Fairfax	✔	✔		✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	Will change as part of the new solid waste plan

Table 2: Multi-Family Residential Services and Requirements 2015 (Continued)

Jurisdiction	Requirements			Materials											
	Mandatory	Recycling Plan/ Report Required	Approximate Number of Recycling Plans and Reports	Principal Recyclable Material	Cans	Cardboard	Glass	Holiday Trees	Leaves	Metals	Mixed Paper	Newspapers	Plastic	Yard Waste	MF Comments
Fairfax County	✔	✔	See comments		✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	MF properties are required by Code to keep a Municipal Solid Waste (MSW) Management and Recycling Plan on file at the site; however, submission to the County is not required unless requested. All MF properties are required to recycle mixed paper and cardboard, metal food and beverage cans, glass bottles and jars, plastic bottles and jugs and scrap metal.
City of Falls Church	✔	✔	20		✔	✔	✔			✔	✔	✔	✔		Three new multi-family residences to be build soon.
Town of Herndon	✔	✔	4	Single Stream	✔	✔	✔	✔		✔	✔	✔	✔		Within Fairfax County - Follows Fairfax's Requirements. Town of Herndon: Privately contracted for condos
Town of Leesburg				✔	✔	✔	✔			✔	✔	✔	✔		This service is provided at one recycling drop-off center, actively seeking a second location.
Loudoun County	✔			✔	✔	✔	✔	••	••	✔	✔	✔	✔	••	✔ Residents are required to recycle most materials listed. Offices within MF Residential units would be required to recycle one PRM. •• Leaves , Holiday Trees and Yard waste are contingent upon if collector provides yard waste recycling services.
City of Manassas															
City of Manassas Park															

Table 2: Multi-Family Residential Services and Requirements 2015 (Continued)

Jurisdiction	Requirements			Materials											
	Mandatory	Recycling Plan/ Report Required	Approximate Number of Recycling Plans and Reports	Principal Recyclable Material	Cans	Cardboard	Glass	Holiday Trees	Leaves	Metals	Mixed Paper	Newspapers	Plastic	Yard Waste	MF Comments
Montgomery County	✔	✔	651 in 2013	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	MF properties with 7 or more dwelling units must contract for recycling collection service or self-haul recyclable materials to recycling facilities. All properties are required to submit an Annual Recycling and Waste Reduction Report.
Prince George's County	✔	✔	300	✔	✔	✔	✔			✔	✔	✔	✔		The County requires one yearly report for tonnages and all properties with 100 or more dwelling units must provide a recycling plan for approval
Prince William County	✔	✔	4	✔											One item making up the greatest weight or volume of the waste stream
Town of Vienna			N/A												

Table 3: Commercial Recycling Services and Requirements 2015

Jurisdiction	Requirements			Materials											Commercial Requirement Comments
	Mandatory	Recycling Plan/ Report Required	Approximate Number of Recycling Plans and Reports	Principal Recyclable Material	Cans	Cardboard	Glass	Holiday Trees	Leaves	Metals	Mixed Paper	Newspapers	Plastic Containers	Yard Waste	
City of Alexandria	✔	✔	1,400												Two recyclable materials most prevalent in refuse
Arlington County	✔	✔	Combined with MF	✔	✔	✔	✔			✔	✔	✔	✔	✔	Every 3 years Arlington County requires all MF and CM properties to resubmit their recycling plans, plans were submitted in 2012 and will be submitted again in 2015
District of Columbia				✔	✔	✔	✔			✔	✔	✔	✔		Plastic "narrow-necked" containers of any numbers. Recycling plan no longer required
Town of Dumfries	N/A														
City of Fairfax	✔	✔		✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	Considering eliminating in new plan to be adopted Nov 2015
Fairfax County	✔	✔	See comments	• •		✔					✔	✔			All nonresidential locations are required by Code to maintain a MSW Management and Recycling Plan on site; submission to the County is not required unless requested. • •All nonresidential locations are required to recycle mixed paper and cardboard; certain large properties may be required to recycle one additional PRM
City of Falls Church	✔	✔	Over 500	✔											Chapter 34-6: The recycling system shall, as a minimum, meet the recycling objectives as established by the city council. City Council requirements are PRM and any material that retains useful properties that can be reclaimed.
Town of Herndon	✔		Fairfax County manages program	Single Stream	✔	✔	✔				✔	✔	✔		Within Fairfax County - Follows Fairfax's Requirements

Table 3: Commercial Recycling Services and Requirements 2015 (Continued)

Jurisdiction	Requirements			Materials											Commercial Requirement Comments
	Mandatory	Recycling Plan/ Report Required	Approximate Number of Recycling Plans and Reports	Principal Recyclable Material	Cans	Cardboard	Glass	Holiday Trees	Leaves	Metals	Mixed Paper	Newspapers	Plastic Containers	Yard Waste	
Town of Leesburg															
Loudoun County	✔	✔	See Comment	✔											Businesses are required to recycle at least one PRM. No requirement to submit the plan or report to Department. Businesses that self-haul recycables are required to provide information annually in support of the County's Annual Recycling Rate Report
City of Manassas															The City is investigating opportunities for including commercial trash and recycling collection (in the Historic Downtown area only) for FY2017
City of Manassas Park															Commercial entities must contract their own solid waste disposal services. Information for Recycling Rate Reports is usually generated from Hauler data and those businesses who choose to participate in the reporting process.
Montgomery County	✔	✔	593 in 2013	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	All businesses are required to recycle. Businesses with 100 or more employees must submit an annual recycling and waste reduction report; all others upon request.
Prince George's County	✔	✔	780	✔	✔	✔	✔			✔	✔	✔	✔		Mandatory
Prince William County	✔	✔	521	✔											Includes businesses, apartments, and other non-residential properties.
Town of Vienna	N/A														

Table 4: Hauler Registration and Permitting Programs 2015

In-Place: established program; In-Process: program initiated

Jurisdiction	In-Place	Permitting/ Registration	Description	Number Licensed	How do you collect Hauler Data?	Hauler Comments
City of Alexandria	✔		On a yearly basis, all collection vehicles for refuse and recycling must be registered and inspected. A fee is charged	45	All haulers registered and permitted to provide collection service in Alexandria are sent a Hauler Tonnage Reporting form every year prior to the completion of the Recycling Rate Report.	
Arlington County	✔	Added recycling collectors to the requirement for permits and charged $75 per vehicle; $7.50 per compactor/container		219	Send request letter to haulers and provide universal report that was designed by NVRC members	Likely to remove compactor fee in future years
District of Columbia		CLARIFICATION: $50 to REGISTER any recycling hauler, plus $50 fee per vehicle.		33 Registered		
Town of Dumfries		None				
City of Fairfax	✔	Businesses must obtain certain permits to collect or dispose of trash or recyclables in Fairfax County. The permit type is determined by the type of activity or service that the business performs. Some permits require inspections, fees and/or bonds.	See www.fairfaxcounty.gov/dpwes/publications/recycling/biz-disp-chart.htm	Varies by type	Annual reporting forms are sent to haulers for data collection.	Permitting of haulers is done by Fairfax County.
Fairfax County	✔	Businesses must obtain certain permits to collect or dispose of trash or recyclables in Fairfax County. The permit type is determined by the type of activity or service that the business performs. Some permits require inspections, fees and/or bonds.	See www.fairfaxcounty.gov/dpwes/publications/recycling/biz-disp-chart.htm	Varies by type	Transactions are processed through the Weigh Master System. Hauler Recycling data is gathered through the recycling reporting process each year. Haulers apply for CTOs, and provide financial and other information through that process.	Ask businsses to use haulers registered with Fairfax County.

Table 4: Hauler Registration and Permitting Programs 2015 (Continued)

In-Place: established program; In-Process: program initiated

Jurisdiction	In-Place	Permitting/ Registration	Description	Number Licensed	How do you collect Hauler Data?	Hauler Comments
City of Falls Church					Fairfax County collects data	Ask businesses to use haulers registered with Fairfax County
Town of Herndon		Ask businesses to use haulers registered with Fairfax County			Additional info sent to Herndon by Fairfax County Transfer Station Permitting of haulers is through Fairfax County. Fairfax County maintains all data relating to the permitting program.	Permitting of haulers is done by Fairfax County
Town of Leesburg					Permitting of haulers is done by Loudoun County	
Loudoun County	✔	✔	Collectors classified as 'Major' (four trucks or >2000 tons per year (TPY) or 'Minor' (three trucks or less). Permit fees vary on collector class. Annual renewal.	25 Major & 39 minor plus landfill and school board	Haulers are required to provide quarterly reports to the Department of General Services	All transporters and collectors of solid waste and recyclable material are required to obtain a permit unless specifically excluded in Chapter 1084. Annual requirement and permit fees: Major $30 per vehicle, Minor $10 per vehicle
City of Manassas	✔	A business license is required only if based in the City			Letter and form is sent out in Jan-Feb asking for recycle information	
City of Manassas Park	✔	Business License Required			Annual reporting forms are sent to haulers for data collection	

Table 4: Hauler Registration and Permitting Programs 2015 (Continued)

In-Place: established program; In-Process: program initiated

Jurisdiction	In-Place	Permitting/ Registration	Description	Number Licensed	How do you collect Hauler Data?	Hauler Comments
Montgomery County	✔	All collectors of waste whose primary business is waste collection, major recycling collection companies and others as DSWS determines necessary must be licensed; $25, plus $5 per vehicle.		340	On semi-annual basis hauler reports are sent to haulers for collection data	
Prince George's County	✔	✔	Range $100 - $351	806 Licenses issued 2010/2011		
Prince William County	✔	✔ Permit is issued at no charge. Refuse vehicle inspection fee is $50 per vehicle. If the vehicle requires a decal there is an additional $10 fee.	Permit to company to operate in the County. County inspects refuse collection companies. Recycling processors, haulers, and collectors are required to register to operate. Haulers must complete a recycling plan as part of their registration and permit request as a part of our landfill regulations	19	Annual Recycling report forms are sent out to the refulse haulers and also available online. Forms due February 15 each year.	
Town of Vienna						

Table 5: Public Residential Collection Services 2015

D: Disposal, R: Recycling MSW Diversion, F: Fees Apply

Jurisdiction	Appliances	Asphalt	Brush	Bulk Waste	Cans (steel tin Al)	Cardboard	Concrete	Soil	Electronics	Furniture	Glass	Grass	HHW	Holiday Trees	Leaves	Mercury Lights	Metals	Mixed Paper	Newspapers	Plastic Containers	Shrubs	Twigs	Textiles	Used Oil and Antifreeze	Yard Waste	Public Collection Comments
City of Alexandria	R F		D	D	R	R			D	D	R	D	D	D	R	D	R	R	R	R	D	D	D		D	Yard waste will be recovered rather than disposed of in 2014. Asphalt, refer to va paving company, Concrete & Soil: refer to local vendor or landfill. Used Oil, Mercury Lights & Electronics: part of hhw collection at center. Textiles, private dropoff collection.
Arlington County	RF	R	R	D	R	R	R	R	DF E-care	D	R	D Grasscycling encouraged	RD Drop-off option	R	R Drop-off option	RD Drop-off option	R	R	R	R	R	R	D	RD Drop-off option	R	Asphalt, concrete, bricks, scrap metal, plaster, and soil can be delivered to the SWB's Earth Products Recycling Yard for recycling once a month by residents. Hazardous material can be dropped off at HHM facility.
District of Columbia	R	D	R	D			D	R		D		R		R	R						R	R			R	
Town of Dumfries	R		R	D	R	R		D	R	D	R	D		R	D		R	R	R	R	D	D			D	

Table 5: Public Residential Collection Services 2015 (Continued)

D: Disposal, R: Recycling MSW Diversion, F: Fees Apply

Jurisdiction	Appliances	Asphalt	Brush	Bulk Waste	Cans (steel tin Al)	Cardboard	Concrete	Soil	Electronics	Furniture	Glass	Grass	HHW	Holiday Trees	Leaves	Mercury Lights	Metals	Mixed Paper	Newspapers	Plastic Containers	Shrubs	Twigs	Textiles	Used Oil and Antifreeze	Yard Waste	Public Collection Comments
City of Fairfax *** Home owner only, no CDD**	R	D*	R	D*	R	R	D*	D*	R	D	R	R	D County	R	R	D County	R	R	RR	R	R	R	R	R	R	Used oil and anti-freeze must be taken to the City Yard on Pickett Rd. *Home owner only, no CDD
Fairfax County ***Small quantities: R; Large quantities: RF** ****Free curbside collection first two weeks of January.**	R	RF	DF	*	DF	R	R	DF	R	DF	R	*		RF **	*		R	R	R	R	R	*	D		*	Five collections per fiscal year are included in base service fee of county collection areas. These may be bulk, brush, metal or refrigerant. When amount of a particular set out exceeds 12 cubic yards, customers must pay an additional fee as part of countywide MegaBulk collection program. Inert materials such as asphalt, concrete and dirt are only collected through the MegaBulk program.
City of Falls Church	RF		R	F	R	R			RF	DF	R	R	EVENT-R	R	R	EVENT-R	RF	R	R	R	RF	R	EVENT-R	EVENT-R	R	Yard Waste: sticker fee of $1.00 per bag. Brush fee if not bundled. Bulky waste disposed or recycled depending on type of collected waste. Asphalt not accepted.

Table 5: Public Residential Collection Services 2015 (Continued)

D: Disposal, R: Recycling MSW Diversion, F: Fees Apply

Jurisdiction	Appliances	Asphalt	Brush	Bulk Waste	Cans (steel tin Al)	Cardboard	Concrete	Soil	Electronics	Furniture	Glass	Grass	HHW	Holiday Trees	Leaves	Mercury Lights	Metals	Mixed Paper	Newspapers	Plastic Containers	Shrubs	Twigs	Textiles	Used Oil and Antifreeze	Yard Waste	Public Collection Comments
Town of Herndon *Curbside collection	RF *		R *	DF *	R *	R *				DF *	R *	R *		R *	R *		RF *	R *	R *	R *	R *	R *	D *		R *	Special Pick up fee of $35.oo for up to 3 cubic yards. If above 3 cubic yards but not more than 6 cubic yards fee is $75.00. Over 6 cubic yards requires a container rental at a fee of $200.00
Town of Leesburg	D		R	D	R	R			R	D	R	R		R	R		R	R	R	R	R	R			R	
Loudoun County	Loudoun County does not provide curbside solid waste or recycling collection services. Drop-off locations include HHW events or recycling drop-off centers (no fee) and Loudoun County Landfill (fee) depending on the item.																									
City of Manassas	R		R	D	R	R			R	D	R	R	R	R	R	D	R	R	R	R	R	R	D	R	R	Offers curbside for commercial customers in Old Town. The City does not accept any type of stone, fallen trees or large branches.
City of Manassas Park	R		R	D	R	R			R	D	R	R	R	R	R	D	R	R	R	R	R	R		R	R	
Montgomery County	R		R	DR	R	R			D	D	R	R		R	R		R	R	R	R	R	R	D		R	
Prince George's County	DR		DR	R	DR				D	R	R	R	D	DR	DR	D	D	DR	DR	DR				DR	DR	
Prince William County	Trash and recycling collection services are provided via contract by HOA's, incorporated towns, or directly with residents. Many residents also self-haul their trash and recycling.																									
Town of Vienna			D	D	R	R				D	R	R		R	R		R	R	R	R	R	R		D	R	No more fees apply

Table 6: Drop Off Services Offered 2015

C: Collection R: Recycling/MSW Diversion D: Disposal and Special Events F: Fees May Apply

Jurisdiction	Appliances	Asphalt	Brush, Shrubs, Twigs	Bulk Waste	Cans (steel tin Al)	Cardboard	Concrete	Soil	Electronics	Furniture	Glass	Grass	HHW	Holiday Trees	Leaves	Mercury Lights	Metals	Mixed Paper	Newspapers	Plastic Containers	Textiles	Used Oil and Antifreeze	Yard Waste	Public Dropoff Comments
City of Alexandria	R			D	R	R			R	D	R		R	R		R	R	R	R	R	R	R		Used Oil, Mercury Lights & Electronics: part of hhw collection at center. Textiles, private dropoff collection.
Arlington County *** Special Event**	RF	R	R	D	R	R	R	R	RF	D	R	D	*	R	R	*	R	R	R	R	*	*	R	Drop off locations are not provided for Brush, Bulk Waste, Shrubs, Twigs and Textiles. Grasscycling encouraged.
District of Columbia	C	D	D	C	R		D	D		CD		D		C	C								D	
Town of Dumfries																								None
City of Fairfax *** Homeowner waste only, no CDD**	R	C*	R	C*	R	R	C*	C*		C	CR	CR		CR	CR		CR	CR	CR	CR	R	R	CR	
Fairfax County ***Mercury products disposed via HHW program.**	R	DF	RF	DF	R	R	DF	DF	R	DF	R	DF	R	RF	RF	D*	R	R	R	R	RF	R	RF	Fairfax encourages residents to donate textiles to charitable organizations
City of Falls Church	R				R	R			DF		R		D			D	R	R	R	R	R	D		Used oil, mercury, and electronics are part of hhw collection events and recycling extravaganza events, not available outside of the events
Town of Herndon														RD										Participate with Fairfax County.

Table 6: Drop Off Services Offered 2015 (Continued)

C: Curbside Collection R: Recycling/MSW Diversion D: Disposal and Special Events F: Fees May Apply

Jurisdiction	Appliances	Asphalt	Brush, Shrubs, Twigs	Bulk Waste	Cans (steel tin Al)	Cardboard	Concrete	Soil	Electronics	Furniture	Glass	Grass	HHW	Holiday Trees	Leaves	Mercury Lights	Metals	Mixed Paper	Newspapers	Plastic Containers	Textiles	Used Oil and Antifreeze	Yard Waste	Public Dropoff Comments
Town of Leesburg					R	R					R						R	R	R	R				
Loudoun County	RF	RF	RF	DF	R	R	RF	RF	RF	DF	R	RF	RDF	RF	RF	RDF	RF	R	R	R	RDF	R	F	
City of Manassas	CD		CR	CD	CR	CR			SR	CD	CR	CR	SD	CR	CR	SD	CR	CR	CR	CR	SR	SD	CR	
City of Manassas Park	CD		CR	CD	CR	CR			D	CD	CR	CR	RD	CR	CR	D	CR	CR	CR	CR		R	CR	
Montgomery County	R	DF	RF	DF	R	R	DF	DF	R	DF	R	R	RDF	RF	RF	RF	R	R	R	R	R	R	RF	
Prince George's County	R		R	D	R	R			D	D	R	R	D	R	R	R	R	R	R	R	RF		R	
Prince William County	R	R	RF	DF	R	R	DF	DF	R	DF	R	RF	R	RF	RF	R	R	R	R	R	RF	R	RF	Soil, rocks, concete, and asphalt with prior approval only. Mercury lights & electronics accepted from residents only during special hours.
Town of Vienna																						D		

Table 7: Public Services: Special Events 2015

C: Curbside Collection R: Recycling/MSW Diversion D: Disposal F: Fees May Apply

Jurisdiction	Appliances	Asphalt	Brush	Bulk Waste	Cans (steel tin Al)	Cardboard	Concrete	Soil	Electronics	Furniture	Glass	Grass	HHW	Holiday Trees	Leaves	Mercury Lights	Metals	Mixed Paper	Newspapers	Recycle Plastic Containers	Shredding Paper	Shrubs	Twigs	Textiles	Yard Waste	Special Event Comments
City of Alexandria																										
Arlington County				DF	R	R			RF		R		R or D			R	R	R	R	R	HHW collected at special events are either recycled or disposed depending on the material type and its condition.					
District of Columbia					F	F					F						F	F		F	Special events waste is commonly treated as trash					
Town of Dumfries																									None	
City of Fairfax									RD				D			D					R	City residents use special events of Fairfax County				
Fairfax County					R	R			R	RF	R		D		RF	D	R	R		R					RF	Fairfax County encourages residents to donate textiles to charitable groups. Fairfax offers remote collection of HHW
City of Falls Church	D								DR				DR			DR								DR	Two electronics, one HHW event	
Town of Herndon	CR			CD						CD				CRD	CRD		CRD							CD		
Town of Leesburg																					R	The Town hosts 2 free shred events per year				
Loudoun County									RF				RDF			RDF	County sponsors two Electronics events per year. Fees apply to monitors and TVs brought to events. County holds 8 HHW events per year throughout the County, no user fees. Material diverted; some recycled. Residents can dispose of fluorescent bulbs at HHW events for free; bulbs are recycled. Eligible businesses can bring to Business Hazardous Waste Event, fee applies													

Table 7: Public Services: Special Events 2015 (Continued)

C: Curbside Collection R: Recycling/MSW Diversion D: Disposal F: Fees May Apply

Jurisdiction	Appliances	Asphalt	Brush	Bulk Waste	Cans (steel tin Al)	Cardboard	Concrete	Soil	Electronics	Furniture	Glass	Grass	HHW	Holiday Trees	Leaves	Mercury Lights	Metals	Mixed Paper	Newspapers	Recycle Plastic Containers	Shredding Paper	Shrubs	Twigs	Textiles	Yard Waste	Special Event Comments
City of Manassas	CD		CR	CD	CR	CR			SR	CD	CR	CR	SD	CR	CR	SD	CR	CR	CR	SR	CR	CR	SR	SD	CR	The City holds 9 HHW/eWaste Drop off days and 4 shredding days per year at the Manassas Transfer Station.
City of Manassas Park	RD								R				RD	R	R	D	R			R	R	Annual HHW and Shredding Events				
Montgomery County									R	R								R			R			R		
Prince George's County									R												R	Paper Shredding, Electronics, ScrapTires, Mulch Giveaway				
Prince William County	R			D						D				R							R	The Solid Waste Division provides paper shredding events in the Spring and Fall. The Neighborhood Services Division coordinates "dumpster days" collection events.				
Town of Vienna																								D		Quarterly

Table 8: Descriptions of Additional Fees 2015

Jurisdiction	Curbside Collection Fees	Dropoff Center or Special Event Fees	Sectors Served	Supplemental Funding to Cover Special Services
City of Alexandria	Appliances, $20 per item		MF, SF, TH	
Arlington County	$10 for metal/appliance collection. $20 per TV collection, $15 per computer monitor collection	CRT TVs are accepted for drop-off for $20 and CRT computer monitors are accepted for a $15 recycling fee. Curbside metal collection is free for most items and $10 for a few large appliances	Curbside: SF, TH Drop-off: MF Dropoff at the HHM facility, ECRC, and E-care open to all Arlington residents	Arlington funds the brush, bulky waste, and appliance programs with household solid waste rates (HSWR). There are appliance and metal collection fees. Leaf and wood mulch is $40 per half load and $50 per full load.
District of Columbia	Residents now pay for all recycling/ trash containers		Public	None
Town of Dumfries	Not through the town	Not through the town	Residential only	
City of Fairfax		Drop off for cardboard, paper, glass, plastics, cans, used oil, textiles and rechargeable batteries. City residents can use Fairfax County drop-offs and events.	Residential SF, TH	City does not charge fees for any items collected
Fairfax County	The MegaBulk program is available for Sanitary District Customers waste piles >12 cubic yds. at $0.015 per $100 property assessment for vacuum leaf collection in those areas that petitioned for such service.	Residential fees for FY 2015: $6 for 1-5 bags; $10 for 6-10 bags: $62 per ton of bulk loads of waste; $32 per ton of large loads of brush ($5 for mini-pickup truck and $10 for a full-size pickup truck); $54 per ton for bulk yard waste.	MegaBulk service available to all county residents. Vacuum leaf is only in areas that petitioned for service.	Megabulk and drop off available to residents and businesses. Special events and vacuum leaf (by petition) for Sanitary District Customers only. County collection customers get five curbside collections per fiscal year for large piles of waste; beyond that, they can use MegaBulk and the minimum charge is $60. Homes that are NOT County collection customers can use MegaBulk; however, the minimum charge for non-customers is $250
City of Falls Church	$30 for appliances; $75 per 2 yd3 for brush, bulky waste, furniture, refuse, shrubs, and yard waste that is too large for usual collection. Yard Waste bags require a $1.00 sticker.	City Residents may use Fairfax County drop offs and events. Falls Church Recycling Center available for cardboard, mixed paper, scrap metal, mixed containers.	SF, some TH for curbside collection; all residents may use the Fairfax I-66 facility.	The fee does not cover service; the remainder is covered by the General Fund. Residents receiving City refuse and recycling services may receive curbside special collections.

Table 8: Descriptions of Additional Fees 2015 (Continued)

Jurisdiction	Curbside Collection Fees	Dropoff Center or Special Event Fees	Sectors Served	Supplemental Funding to Cover Special Services
Town of Herndon	Special Pick up fee of $35.00 for up to 3 cubic yards for bulk items of acceptable material, If above 3 cubic yards but not more than 6 cubic yards fee is $70.00. The town does offer to HOAs, rental of a thirty cubic yard container for acceptable bulk items for a fee of $300.00 for up to four hours of use.	Participate with Fairfax County, In addition the Town of Herndon conducts a spring/fall cleanup for curbside collection of bulk items. The Town offers a seasonal drop off site for holiday trees.	MF, SF & TH	General fund covers container rental, metal and appliances. Bulky pickups covered by General Fund as well
Town of Leesburg	No, paid for with taxes paid to the Town	1 drop-off center, no fee	N/A	N/A
Loudoun County		Landfill Fees: $62 per ton of MSW and construction (CDD) with a $6 minimum; fees are $6 (cash only) per vehicle on Saturdays with a maximum of (10) 33 gallon bags; $25 for refrigerant-containing appliances; $2.50-$35 for tires based on size and rim; $2 per propane tank. E-cycling events: $3 per monitor; $12 per television. Loudoun County: All items except for cars, HHW, and other items listed with specific fees, may be disposed of at the landfill for the tip fee. CESQGs pay contractor based on waste type, amount, and packaging.	All sectors served at Landfill. Special hazardous waste collection event for CESQG businesses at the landfill 2 times a year. Electronics events are for residents and small businesses. Items brought to event have to be loose and cannot be palletized.	Drop-off services provided at the landfill. All appliances cost $62/ton for disposal with a $6 minimum. Additional $25 fee for refrigerators and A/C units. Additional $2 fee per propane tank. Road asphalt is reused on site at the landfill, landfill disposal fee applicable. All brush is ground and provided to residents for free. Landfill fee applicable. There are 11 drop-off centers for residents/small businesses (9 County; 2 Town of Leesburg) for containers, paper, other traditional recyclables. Concrete is reused on site at the landfill, landfill disposal fee applicable. Grass is composted. County sponsors holiday tree program. Trees are ground and set out as mulch for residents. Electronics and HHW special events held multiple times a year. Electronics brought to landfill are disposed.
City of Manassas			SF, TH	All City collection and drop off fees are included in monthly service charge. Residents may also use the Manassas Transfer Station (which is owned and operated by Waste Management) for a reduced fee of $10 for up to 300 lbs, $15 for 500 lbs and $60 per ton.
City of Manassas Park				

Table 8: Descriptions of Additional Fees 2015 (Continued)

Jurisdiction	Curbside Collection Fees	Dropoff Center or Special Event Fees	Sectors Served	Supplemental Funding to Cover Special Services
Montgomery County	All solid waste fees charged by Montgomery County are User Fees (not taxes). Each sector is charged a Base System Benefit Charge for each improved property, such that aggregate Tipping Fees and Base System Benefit Charges from each sector pay a share of County Base System costs proportional to the sector's share of total waste generation. The County Base System is that part of the County Solid Waste Management System that is available to all sectors. Separate Incremental System Benefit Charges or other user fees are charged to cover County costs for services that are not available to all sectors.	Incremental Benefit Charges per year/ per unit for non-residential based on generator category: Low - $105.04; Medium Low - $315.12; Medium - $525.18; Medium High - $735.26; High - $945.34 Incremental Benefit Charges: $129.39 per year for SF; $(1.58) per year for MF. Leaf Vacuuming: $88.91 per year for SF; $3.54 per year for MF. Base & Incremental Benefit Charges per year/ per unit for non-residential based on generator category: Low - $124.24; Medium Low - $372.72; Medium - $621.21; Medium High - $869.69; High - $1118.18	SF, TH	Asphalt, Bulk Waste, Concrete, Soil, Furniture: loads under 500 lbs no charge, loads over 500 lbs are $56.00 per ton for the entire load. Trash $56/ton, open top roll off containers $66/ton. Brush, Grass, Trees, Leaves, Yard Waste: Residents no charge, Commercial loads $46/ton, minimum fee $11.50. Cardboard: accepted from all at no charge. Electronics: limit of 15 items per drop-off. HHW: residents no charge, commercial hazardous materials must come in through the ECOWISE program. ECOWISE fees by specific item and quantity. Oil, and Antifreeze: only accepted from non-commercial sources in modest quantities less than five gallons. Free for residents; No commercial amounts of oil and antifreeze are accepted. Mixed Paper and Newsprint: All sources accepted at no charge.
Prince George's County	Included in Solid Waste Fees	Included in Solid Waste Fees	County Residents including 8 of the 26 Municipalities.	
Prince William County			SF, TH, MF, Government	Additional fees are charged to customers that: do not pay solid waste fees (cities and towns), contractors with construction debris, yard waste, pallets, tires, manure, large items, soil, recycling residue, public scale, and for copies of weight tickets.
Town of Vienna			SF, TH, MF, Government	No more fees apply.

Table 9: Residential Rate Structures and Projections 2015

All fiscal year unless superscript c = calendar year

Jurisdiction	Annual Rate	Refuse Funding Sources	Recycling Funding Sources	Rate Projections	Multi-Year Plans	Rate Structure Comments
City of Alexandria	$337	Refuse Fee; General Fund	Same Refuse Fee			
Arlington County	$296.76	Household Solid Waste Rate (HSWR) Fee; Permitting Fee; General Fund	Household Solid Waste Rate (HSWR) Fee; General fund	A projection is published each April for the following FY that begins in July.		
District of Columbia	Included in taxes	General Fund	Now a charge for recycling containers $45 per container			
Town of Dumfries	$152.04	General Fund	General Fund		Usually based on contract	Going out to bid 2016
City of Fairfax	$395.00	General Fund	General Fund	Projections in new solid waste management plan		
Fairfax County	$345.00	User Fee	User Fees	No projections		
City of Falls Church			General Fund	General Fund		
Town of Herndon	N/A	General Fund	$4.00 Quarterly fee for properties receiving curbside recycling collection from the town		Review funding annually	
Town of Leesburg	General Fund	General Fund	General Fund			
Loudoun County	Rated contracted by HOAs; Towns, and Residences	Rated contracted by HOAs; Towns, and Residences	Rated contracted by HOAs; Towns, and Residences			Loudoun County does not provide curbside service. County does provide recycling drop off centers; funded through the general fund.

Table 9: Residential Rate Structures and Projections 2015 (Continued)

All fiscal year unless superscript c = calendar year

Jurisdiction	Annual Rate	Refuse Funding Sources	Recycling Funding Sources	Rate Projections	Multi-Year Plans	Rate Structure Comments
City of Manassas	FY2014: $312.48 SF and $327.96 TH; FY2015: $318.48 SF and $333.96 TH	The program for Refuse and Recycling is supported by monthly service user rates	The program for Refuse and Recycling is supported by monthly service user rates	Disposal rates are adjusted for Refuse and Recyling contract and Special Use Permit for Manassas Transfer Station through CPI	Contract for Refuse and Recycling collection is for one year with options to extend.	There will always be a slight change when the indexes indicate an increase . Have had same type of rate structure since 1994-Enterprise Fund
City of Manassas Park	SF Detached curbside $187.80 Dumpster service residents $102.72	Enterprise Fund	Enterprise Fund	Maximum 3% increase to disposal rates annually based on CPI		2016 is the last contract renewal year.
Montgomery County	$37.41 SF; $46.95 SF Disposal; $18.31 MF Base	User Fee	User Fee; Incremental system benefit charges		Yes, six year	
Prince George's County	$356.32	Solid Waste Fee	Solid Waste Fee			
Prince William County	SF Detached $70/yr Townhouse $63/yr Mobile Home $56/yr Condo $47/yr Business, apt, nonresid based upon actual refuse generation	Solid Waste fee and special fee	Solid Waste fee and special fee	unchanged	No	
Town of Vienna		General Fund	General Fund			

Table 10: Residential Curbside Collection Contract Prices and Comments 2015

All fiscal year unless superscript c = calendar year

Jurisdiction	Contract Price Household/Month		Refuse Funding Sources	Projection Prices Comments
	Refuse	Recycling		
City of Alexandria		$2.67		Last of year of base contract with two 1-year options remaining
Arlington County	$5.29	$3.38	HSWR	Expect new contract prices in September 2015
District of Columbia	Public Service	Public Service		
Town of Dumfries	$220.46		General Fund	Going out to bid
City of Fairfax	Public Service	Public Service	City Taxes	
Fairfax County				No collection contracts
City of Falls Church	$12.77 for all services plus cart			An additional $1,000 charge is incurred each month to compensate hauler for taking recycling to LFF Recycling in Sterling VA.
Town of Herndon				
Town of Leesburg	$11.86	$8.09		
Loudoun County				
City of Manassas	FY2014: $14.00; FY2015: $14.72	FY 2014: $4.94 recycling and $5.98 yard waste; FY2015: $5.84 recycling and $5.86 yard waste	Paid through service user fees	Rate includes yard waste, trash, recycling, solid waste and bulk waste collection. Fee also funds electronic waste and shredding drop off collections
City of Manassas Park	$15.65/month for SF households, includes recycling collection	Not separated out	Enterprise Fund	$15.65/hh for residential properties with curbside collection. $8.56/hh for properties with dumpster services
Montgomery County	$ 4.01 (average)	$6.56 (average)		$37.41 per year SF Base System Benefit Charge; $18.31 per year MF Base System Benefit Charge. A $56.00 per ton tipping fee is charged to accept refuse at the County Transfer Station. A $46.95 Disposal Fee is charged to each such household, in lieu of a tipping fee being applied to disposal waste generated at non-municipal SF properties. The per ton tipping fee applies to all other refuse received at the Transfer Station. Revenues from these fees pay for the solid waste Base System Cost. Homes receiving County refuse collection are charged $66 per year, which covers the County's cost of transporting that waste from those homes to the County Transfer Station. SF homes receiving leaf vacuuming service are charged $88.91 per year. MF homes receiving leaf vacuuming service are charged $3.54 per year.
Prince George's County				
Prince William County				
Town of Vienna				

Table 11: Outreach for FY 2015

Jurisdiction	Outreach Program and Budget			Primary Components	Measures of Effectiveness	Anticipated Changes and Outreach Comments
	Program in Place	Budget	Staff (FTE)			
City of Alexandria	✔	$12,000.00	Different staff responsible for promotion of their programs & maintenance of the website	Web page, direct mailings, brochures, print advertisements, COG sponsored PR, special events	RRR Performance	
Arlington County	✔	$30,000.00		Outside vendors are used to provide design and print services are provided internally	Increase in recycling rate and customer feedback.	Anticipate ramping up outreach if any program changes occur in 2015
District of Columbia			1	BUDGET AND COMMUNITY ISSUANCES MANAGED WITHIN OFFICE OF DIRECTOR		
Town of Dumfries						No program now, plan for 2016
City of Fairfax	✔	$8,000		Mailing brochure, magnet for residents		Positive feedback, hope for continued budget
Fairfax County	✔	Paid for by disposal fees that support the entire solid waste program	2 staff members that conduct outreach about 70% of the their time	Website; social media; list servs; newsletter; workshops; calendar; speaking engagements; advertisements; and annual events. Fairfax County partners with businesses, technical organizations, and non-profits to communicate information	Number of tons recycled	Increased outreach to business community, including CDD
City of Falls Church	✔	Not separated out		Website; twice yearly newsletter; weekly newspaper reminders; calendar; workshops; mailings; door hangers; fliers; school presentations; field trips; cable access; and advertisements in newspapers	Number of tons recycled and special event participation. Recycling set out rate.	
Town of Herndon	✔	$5,100	Varies	Newsletter; calendar; HOA presentations; website; information flyers; notices; and special events	Number of tons recycled	
Town of Leesburg	✔			Brochures; newspaper advertisements; website; mailings; Keep Leesburg Beautiful Program; 2 shredding events/yr (spring/fall)		

Table 11: Outreach for FY 2015 (Continued)

Jurisdiction	Outreach Program and Budget			Primary Components	Measures of Effectiveness	Anticipated Changes and Outreach Comments
	Program in Place	Budget	Staff (FTE)			
Loudoun County	✔	$17,500		Brochures; signs; professional fees; promotional items; MWCOG Go Recycle Campaign; internet and social media	Recycling Rate is trending upward while Disposal Rate is trending downward.	Eliminated paid mass media advertising
City of Manassas	✔	FY2014: $23,965 FY2015: $16,768	1	Website, Manassas Connections- monthly newsletter, mailings, fliers, letters, quarterly townhall meetings and school presentations, Citizen's Advisory Committee Meetings, HOA Visits, Special Recycling Events	Annual Recycling Rate, Attendance Figures at HHW Days, Annual Figures for Calls and Complaints, Annual Tonnage Figures for Refuse and Recycling, Number of hits on Website	Completely revised outreach materials and website, introduced 2 major recycling events per year; Added 3 more shredding days to calendar, added new webpage for HOAs, introduced more infographics to materials.
City of Manassas Park	✔	Part of Litter Grant	1	Website, newsletter, billing inserts, Facebook/Social Media, cable TV, special events		
Montgomery County	✔	$177,000	1.2	Special events such as America Recycles Day and Earth Day; quarterly newsletter; distribution of comprehensive guides and brochures on waste reduction, recycling, and buying recycled products; blue bin and wheeled cart stickers; magnets; door hangers; video on "closing the loop"and website.	Customer service surveys; telephone surveys; focus goup research; customer feedback; tons recycled over time; and recycling rate over time	
Prince George's County	✔	$65,000.00	1	Brochures; newspaper advertisement; web page; school events; Facebook/Twitter, radio campaign	Departmental Performance Measures	
Prince William County	✔	$126,000	1	Personnel, advertising, copying and printing, and postage	Percent of refuse recycled vs. produced	
Town of Vienna						

Table 12: Multilingual and Regional Public Education Campaigns 2015

Jurisdiction	Multilingual Services	Language	Translate Publications	Publication Types	Translation Services	Financial Support for Regional Outreach
City of Alexandria	✔	Spanish	✔	No translations	✔	✔
Arlington County	✔	Spanish	✔	Webpages; outreach materials; recycling plan forms; and instructions	Customer Service Manager and One Customer Service Representative and two Recycling Compliance Specialists who speaks Spanish	$5,000 MWCOG Go Recycle
District of Columbia	✔	Spanish	✔	Social Media, Direct Mailings	1-800 call service	0
Town of Dumfries						
City of Fairfax		Only hearing impaired		Website		
Fairfax County	✔		✔	Recycling Requirements sheet is in both English and Spanish	Contract for translation services.	Support for regional campaigns -- MWCOG and Alice Ferguson Foundation
City of Falls Church	✔	Spanish, Korean, Vietnamese, Russian, German, French, others	✔	Welcome materials in Spanish	Contract for translation services	Not seperated out
Town of Herndon	✔	Spanish	✔	Brochures	Bilingual Employees	$200 for MWCOG
Town of Leesburg	✔	Spanish	✔	Guide to Refuse Collection and Recycling in the Town of Leesburg	Several staff members are bilingual	
Loudoun County	✔	Spanish	✔	Loudoun County Landfill Brochure; Loudoun County Recycling Guide	Spanish-speaking employees at the landfill provide assistance. County contract for telephone translation services for multiple languages.	$5,000 MWCOG GoRecycle
City of Manassas	✔	Spanish	✔	Website, leaflets, letters, advisories	Several staff members speak more than one language	Not separated out
City of Manassas Park	✔	Spanish	✔	Flyers, brochures, Refuse and Recycling guideline publications, Cable TV announcements	Bilingual Employees	Not Separated

Table 12: Multilingual and Regional Public Education Campaigns 2015 (Continued)

Jurisdiction	Multilingual Services	Language	Translate Publications	Publication Types	Translation Services	Financial Support for Regional Outreach
Montgomery County	✔	Spanish, Amharic, Chinese, Japanese, Persian, French, Russian, Vietnamese, and Korean	✔	Most educational materials are printed in several languages and use a lot of pictures and illustrations	Several staff members are bilingual.	$5,000 MWCOG Go Recycle
Prince George's County	✔	Spanish	✔	Making all brochures bilingual	County has contract for this services	$5,000 MWCOG GoRecycle, special events
Prince William County	✔	Spanish	✔	Some recycling brochures, mixed Paper Campaign was done in Spanish, advertisements in Spanish in newspapers	Staff with the county receive differential pay to translate	The County has sponsored MWCOG's "Go Recycle" campaign in the past
Town of Vienna						

Table 13: Households Receiving Refuse and Recycling Services in 2015

Jurisdiction	Refuse			Recycling			Households Comments
	System	Frequency	Households	System	Frequency	Households	
City of Alexandria	Public	Weekly	20,500	Contract	Weekly	20,500	
Arlington County	Contract	Weekly	33,186	Contract	Weekly	33,186	Total HH (single- & multi-family): 101,300
District of Columbia	Public	Weekly	103,000				
Town of Dumfries	Contract	Weekly	1,450	Contract	Weekly	1,450	Growing population
City of Fairfax	Public	Weekly	6,498	Public	Weekly	6,498	
Fairfax County	Public	Weekly	43,932	Public	Weekly	43,932	The numbers represent the customers in the public category receiving collection from Fairfax County Approximately 352,454 SF and TH customers receive curbside refuse from privately owned collection companies in the county. Public: 43,932 / Private: 352,454
City of Falls Church	Private	Weekly	3,024	Public/ Private	Weekly	3,024	Switched in 2010
Town of Herndon	Public	Weekly	5,334	Public	Weekly	5,396	
Town of Leesburg	Contract	2x / week	11,150	Contract	Weekly	11,150	
Loudoun County	Private	At least weekly	92,295		At least bi-weekly	91,322	
City of Manassas	Contractor	SF-1x and TH 2x / week	FY2014: 10109; FY2015: 10164	Contract	Weekly	FY2014: 10109; FY2015: 10164	
City of Manassas Park	Contractor	Weekly	4,075	Contract	Weekly	4,075	Estimation of population per the U.S. Census Bureau, updated 9-2015
Montgomery County	Public	Weekly and bi-weekly	91,378	Contract	Weekly	213,393	2013 recycling services to all 213,393 SF households. Additionally, the County provides refuse collection services to 91,378 households the remainder (approx. 122,015) would receive refuse collection services via private contracts with the homeowner or through their HOA. Does not include towns providing services.
Prince George's County	Public	2x / week	165,536	Public	Weekly	170,600	
Prince William County	Private	Weekly	146,563	Private	Weekly	146,563	
Town of Vienna	Public	Weekly	5,832	Public	Weekly	5,832	
Total Northern Virginia Households			**1,062,501**			**1,178,607**	

Table 14: Refuse/Garbage Tonnage, Tip Fees 2008-2014 (calendar year)

	Refuse Tonnage							Refuse Tip Fee Per Ton						
Jurisdiction	CY/FY	2008	2009	2010	2012	2013	2014	2007	2008	2009	2010	2011	2013	Current
City of Alexandria*	FY	195,904	190,284	206,431	91,456	94,264	93,211	$67.00	$77.79	$77.45	$78.34	$82.91	$43.16	$43.17
Arlington County	FY	146,932	155,134	159,605	109,936	108,836	118,742	$67.00	$77.79	$77.45	$78.34	$82.91	$43.16	$43.16
District of Columbia	FY	494,234	433,825	459,496	430,075			$59.20	$71.18	$53.35	$47.27	$47.27	$50.62	
Town of Dumfries	FY				2,182	2,196	2,134							
City of Fairfax	FY	7,795	6,596	6,345	6,214			$44.95	$46.95	$49.95	$55.00	$54.00	$54.00	$56.00
Fairfax County	CY	799,216	744,682	717,963	665,509	603,212	595,295	$46.95	$49.95	$55.00	$55.00	$53.00	$53.00	$53.00
City of Falls Church	CY	6,401	5,739	5,984	5,025	5,283	5,218	$46.95	$46.95	$49.95	$55.00	$53.00	$53.00	$53.00
Town of Herndon	CY	6,208	6,017	5,984	5,750	5,707	5,660	$46.95	$46.95	$49.95	$55.00	$54.00	$54.00	$54.00
Town of Leesburg	CY	21,105	17,407	16,829	18,185	12,820	13,183	$55.00	$60.00	$60.00	$60.00	$60.00	$62.00	$62.00
Loudoun County	FY	197,726	211,117	220,686	220,686	215,902	212,454	$60.00	$60.00	$60.00	$60.00	$60.00	$62.00	$62.00
City of Manassas	CY	12,284	11,812	11,070	11,157	11,724	11,461	$48.00	$52.00	$54.00	$54.00	$54.00	$57.45	$59.48
City of Manassas Park	CY	8,463	11,385	7,573	7,001	9,228	10,345	$46.95	$49.95	$55.00	$55.00	$55.00	$55.00	$55.00
Montgomery County	FY	579,660	487,814	469,489	481,941	489,411		$56.00	$56.00	$56.00	$56.00	$56.00	$56.00	$56.00
Prince George's County	FY	442,615	465,413	323,636	323,636	390,418		$49.00	$49.00	$49.00	$49.00			
Prince William County	CY	285,098	275,231	281,563	303,641	309,416	319,788	$45.00	$45.00	$45.00	$45.00	$45.00	$45.00	$45.00
Town of Vienna	CY and FY*	5,196	4,764	4,363	4,300	4,550	4,550	$46.95	$49.95	$55.00	$55.00	$55.00	$55.00	$55.00
Total Tonnage/ Avg Tip Fee		**3,208,837**	**3,027,220**	**2,897,017**	**2,686,694**	**2,262,967**	**1,392,041**	**$52.39**	**$55.96**	**$56.47**	**$57.20**	**$58.01**	**$53.10**	**$53.60**

* Tonnage drop reflects construction demolition debris not reporting

Table 15: Recycling Tonnages of Principal Materials for 2013-14

All calendar year unless superscript f= fiscal year, Single Stream=Collection of all common household recyclable materials, excluding yard waste, into a single recycling container. Dual stream=sorts paper separately from containers. Commingled = collection of Glass, plastic, aluminum, and other metal containers collected together.

Jurisdiction	Collection		Paper (tons)		Metal		Plastic		Glass		Commingled (S+D)	
	Single/Dual Stream	Commingled includes paper fiber? (Y,N,N/A)	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
City of Alexandria			21,339	19,346	19,031	16,727	2,201	333	3		13,869	14,714
Arlington County	S		26,172	21,142	8,639	8,982	318	737	1.6	0.5	24,770	32,286
District of Columbia	S	Y		14,618							28,953	
Town of Dumfries	S	Y									154.89	141.37
City of Fairfax	S	Y										
Fairfax County **2013 Commingled Includes Single Stream	both	N	97,380	50,021	48,669	48,975	1,076	890	18.49	14.05	110,200**	1,406.06
City of Falls Church	S	Y	1,339	1,603	745	729	15	12	1	0	2,928	2,757
Town of Herndon	S	N	2,079	1,068	1,039	1,033	23	19	0.4	0.3	2,353	3,591
Town of Leesburg	S	Y									5,874	4,060
Loudoun County			30,235	28,931	23,814	22,148	251	356			34,505	44,618
City of Manassas	S	N/A	2,199	4,569	5,226	10,303	122	3,898	40	69	6,188	4,259
City of Manassas Park	S	N/A	1,638	1,296	273	289	Included in Commingled				1,027	1,125
Montgomery County[f]	D		88,190		93,252		9,103		23,763			
Prince George's County	S	N/A	179,796		139,811		7,680		14,343		1,102	
Prince William County	Both	Y	36,689	27,608	71,356	70,432	425	455	-		25,567	27,503
Town of Vienna	S	Y	2,425.21		1,692.81		31.88		4.43		320.28	1,858
2013-14 REGION TOTAL (Tons)			**476,826**	**176,823**	**402,967**	**191,609**	**21,096**	**7628**	**39299.92**	**83.85**	**138,592**	**132,315**

Table 15: Recycling Tonnages of Principal Materials for 2013-14 (Continued)

All calendar year unless superscript f= fiscal year, Single Stream=Collection of all common household recyclable materials, excluding yard waste, into a single recycling container. Dual stream=sorts paper separately from containers. Commingled = collection of Glass, plastic, aluminum, and other metal containers collected together.

	Yard Waste		Wood		Cardboard		Textiles		Total PRMs		Single Stream	
Jurisdiction	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
City of Alexandria	8,604	9,752	2,873	5,547			266	352	73,574	72,728		
Arlington County	18,254	7,892	3,533	8,909			6,811	2,682	93,002	86,807		
District of Columbia	4,666											
Town of Dumfries												
City of Fairfax												
Fairfax County	204,167	189,549	9,453	9,531	**	66,527	1,549	726	427,512	467,327		
City of Falls Church	2,846	3,800	130	131			24	12	8,286	9,302		
Town of Herndon	4,709	4,619	202	203			33	16	10,799	10,923		
Town of Leesburg	3,339	2,697										
Loudoun County	13,409	11,818					576	180	110,293	117,266		
City of Manassas	2,012	3,038	76	60	**	**			16,635	27,327		
City of Manassas Park	144	72	0	5	**	**	0	0	3,560	3,228		
Montgomery County[f]	143,674		30,304		51,030		8,991					
Prince George's County	67,051		16,262		83,292		5,083					
Prince William County	26,110	25,202						580	170,516	162,676		
Town of Vienna	7,324.59	2,670	310.42	476.42			22		3,220.94	5,310.12		
2013-14 REGION TOTAL (Tons)	**480,200**	**235,907**	**63,143**	**24,862**	**134,322**	**66,527**	**23,355**	**3,968**	**746,882**	**800,218**		

**included in paper

Table 15: Recycling Tonnages of Materials for 2013-14

All calendar year unless superscript f= fiscal year, *=Maryland Data 2013

Jurisdiction	Waste Tires		Used Oil		Oil Filters		Antifreeze		Batteries		Electronics		Pallets		Shredded Paper	
	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
City of Alexandria	1,612	1,190	1,643	1,922	85	40	132	119	38	277	383	332	53	61		
Arlington County	1,042	778	879	956	48	36	72	96	307	225	387	352				
District of Columbia																
Town of Dumfries																
City of Fairfax																
Fairfax County	6,018	6,323	6,346	7,080	258	171	655	577	1,536	1,684	1,683	1,621				
City of Falls Church	83	87	87	99	4	2	9	8	24	23	52	37				
Town of Herndon	128	135	135	151	6	4	22	13	33	36	36	35			2,079	1,068
Town of Leesburg	4	4	5	5			5	5	2	2					14.6	16.3
Loudoun County	1,874	1,715	2,740	2,638	24		275	1,806	1,108	1,069	649	495				
City of Manassas	141	142	370	346	7	5	10	6	48	73	167	185				
City of Manassas Park	14.98	16	207.55	125	307	2	11.4	14	97.2	87	7	0.05	2.5	3	4.8	0
Montgomery County[f*]	5,930		2,080		521		1,472		2,716		2,946		3,636			
Prince George's County[f*]	3,198		3,633		1,093		100		1,224		800		676			
Prince William County	2,373	2,070	2,800	2,697	84	74	236	273	1,266	934	1,097	1,105	0	0		
Town of Vienna	2.04	2.2	1.51	1.8	0.4	0.4	1.23	2	3.5	3.8						
2013-14 REGION TOTAL (Tons)	**20,047**	**10,392**	**18,127**	**13,324**	**2,437**	**334**	**3,001**	**2,919**	**8,403**	**4,414**	**8,207**	**4,162**	4367.5	64	2098.4	1084.3

Table 16: Public Leaf Collection Programs 2015

Jurisdiction	Leaf Collection (grass, leaves, weeds)								
	Collection							Processing Facility	Leaf Collection Comments
	Weekly	Seasonal	Vacuum Passes Per Season	Paper Bag	Can	Plastic Allowed	Limits		
City of Alexandria		✔	3	During fall season only	✔		No	Yard Waste is collected separately and taken for processing to Western Branch in Prince Georges, MD.	Each area of the City has 3 days of vacuum leaf collection on a defined pick-up schedule throughout the fall. Leaf bags are also collected weekly for processing as mulch.
Arlington County		✔	2	✔	✔	No	No	Earth Products Recycling Yard	Seasonal Leaf and Yard Waste is collected and processed as mulch
District of Columbia		✔	2	✔	✔			Acme Biomass	No limits
Town of Dumfries									As part of trash collection
City of Fairfax	✔	✔	7 trucks	Only loose on curb, after fall bags ok	Off season, must be labeled yard waste	Yes, clear only	No	Loudoun Composting	
Fairfax County	✔	✔	3	✔	✔	Plastic bags must be clear	No	Woody Materials are ground for use as mulch, leaves and grass are composted at facilities outside of the county	3 passes through each vacuum leaf neighborhood per leaf season. Vacuum leaf service is only available in areas that petitioned for it. Other residents with county trash collection receive standard curbside yard debris service which includes leaves which can be bagged or placed in a can. Total tons (2014): 8,358
City of Falls Church	✔		3-4	✔	✔	No	No	Stored at High School, rent tub grinder. Available for free pickup at the Falls Church Recycling Center in spring. Comments: Seasonal Leaf is collected and turned into mulch for the residents to use.	Year round yard waste is taken to PWC Balls Ford Yard Waste Compost Facility

Table 16: Public Leaf Collection Programs 2015 (Continued)

Jurisdiction	Leaf Collection (grass, leaves, weeds)								
	Collection							Processing Facility	Leaf Collection Comments
	Weekly	Seasonal	Vacuum Passes Per Season	Paper Bag	Can	Plastic Allowed	Limits		
Town of Herndon	✔	✔	6	✔	✔	No		The town attempts to find a location where the leaves may be taken at no charge, usually a private farmer. Based on demand; at times will be delivered to Loudoun Composting at a fee	Staff monitors collection for plastic or other unacceptable material, if found items are removed before collection
Town of Leesburg	✔	✔	4	✔	✔	No	No	Loudoun Composting and local farms	
Loudoun County	Loudoun County does not provide curbside pick-up.								Brush drop-off at County landfill. No stumps.
City of Manassas	✔		Oct-Jan	✔	Private Cans Only	No	No	Balls Ford Road	The collection schedule allows for 4 pick-ups per season. Leaves must be raked to the curb (not into the street) the day before leaf collection begins.
City of Manassas Park	✔	✔	Oct-Dec	✔	✔		10 bags	Balls Ford/ Bull Run Recycling	Local Farm
Montgomery County	✔	all year	2	✔	✔	No		Montgomery County Compost Facility	Leaf vacuum service is provided to SF homes and MF dwellings with 7 or fewer units in the downcounty area twice during the fall season.
Prince George's County	✔	✔			✔	Yes		Prince George's County Yard Waste Composting Facility	
Prince William County	Prince William County does not provide leaf collection								
Town of Vienna	✔	✔	a	✔		Yes	20 bags/ week		No limit on leaves that are vacuumed in the fall.

Table 17: Public Yard Debris Programs 2015

Jurisdiction	Public Yard Debris (stumps, weeds, shrubs)							
	Other	Collect weekly	Length (ft) Limits	Diameter (in) Limits	Weight (lbs) Limits	Bundled Limits	Brush Description/ Comments	Processing Facility
City of Alexandria		✔	10	18		Yes	Bulky brush is collected by appointment; small stuff weekly without an appointment	City-located tub grinder, then mulched and distributed.
Arlington County	✔	✔	less than 10' long	less than 18"	less than 50 lbs	Bundled less than 18" in diameter and 4' long, under 50 lbs.	Leaves, yard waste and Holiday trees are collected seasonally. Unbundled yard debris must be scheduled through brush collection service	Earth Products Recycling Yard (EPRY) located at the Solid Waste Bureau
District of Columbia			4				5 bag limit. Collect w/trash, but trash priority may limit yard waste pickup	Acme Biomass
Town of Dumfries							As part of trash collection	
City of Fairfax	City uses crane truck	✔	8				No collection of contractor generated brush. Yard waste in cans no more than 4 feet, crane trucks can accommodate up to 8 ft lengths.	Brush is mulched by Fairfax County at I-66, yard waste hauled to Loudoun Compost, stumps and brush goes to JL Tree
Fairfax County	Yard waste is required to be collected and recycled	✔	4	6	50	50 lbs	County can collect large quantities of yard waste for an additional fee through the MegaBulk program. Materials collected through this fee-based program must be no larger than 6 feet long and 6 inches in diameter.	Woody material ground into mulch by County, leaves and grass composted at facilities outside of the County. Yard debris collection limited to March 1- Dec. 24. Exception is holiday trees which are collected curbside during the first two weeks of January.
City of Falls Church		✔	5	6	50	5 ft in length, 6 in in diameter, no more than 50 pounds	Loose leaf and holiday trees are collected seasonally. Yard waste programs run year round. No limit on the number of bundles. Charges if over limit.	PWC Balls Ford Yard Waste Compost Facility/high school tub grinding.

Table 17: Public Yard Debris Programs 2015 (Continued)

Jurisdiction	Public Yard Debris (stumps, weeds, shrubs)							
	Other	Collect weelkly	Length (ft) Limits	Diameter (in) Limits	Weight (lbs) Limits	Bundled Limits	Brush Description/ Comments	Processing Facility
Town of Herndon		✔	4	3	50	Yes	Exceptions are made during storm events	Loudoun Composting / Shop yard tub grinding
Town of Leesburg		✔	8	6			Brush chipped at curbside and distributed to local farms. No stumps, rootballs, or fire wood allowed.	Loudoun Composting and local farms
Loudoun County							Grass, leaves, limbs, trees and brush can be dropped off at the Loudoun County Landfill during normal operating hours. Material is ground on-site at the Loudoun County Landfill and available at the Free Mulch Depot.	
City of Manassas	Won't collect in plastic bags or City carts	✔	4 feet	3 inches	50 pounds	No limit on number	Yard waste is collected in large, biodegradable paper bags or private trash cans. Bag weights are limited to 50 pounds each.	Balls Ford-PW County/Bull Run Recycling
City of Manassas Park		✔	3	4	35 lbs	10	Maximum 10 paper yard waste bags per weekly collection	Balls Ford - Bull Run Recycling
Montgomery County	✔	✔	4	4	45	30 in diameter		Transfer Station
Prince George's County		✔	4	3	60			Prince George's County Yard Waste Composting Facility
Prince William County				4	24			Balls Ford Road & Landfill
Town of Vienna		✔	8	6"		bundling nor required		Fairfax County I-66

Table 18: Public Appliance and Metal Recycling Programs 2015

Jurisdiction	Schedule		Materials and Limits	Fees	Accept Appliances With Freon?	Recycler	Comments
	Request	Weekly					
City of Alexandria	✔	✔	All appliances and scrap metal	Yes	Collection or disposal metal fee	Yes, removed at both curbside and HHW Collection Center	
Arlington County	✔	✔	Metal; appliances; equipment; electronics	$10 per collection involving items weighing over 50lbs. $20 for TV's and $15 for monitors	Yes, at curb	Joseph E Smith; C2 Management for electronic events, Potomac E-Waste for curbside electronics collection	The metals recycling program consists of curbside collection for HSWR payers and drop-off facility for multi-family residents and businesses
District of Columbia	✔	✔	Appliances; metals		$35 / stop	Yes, by technician	
Town of Dumfries	✔	✔	Antifreeze not allowed	No, special pick-up	Not Allowed	American Disposal	Part of household contract
City of Fairfax	✔	✔	Appliances; metals		Yes	Potomac Metals	
Fairfax County	✔	✔	County collects appliances and metals for recycling from Sanitary District Customers only. Base service fee covers up to five special bulk collections per year. If additional collections are needed, or if quantity exceeds 12 cubic yards, customers are charged a fee via the MegaBulk Program. All metals and appliances accepted for recycling at both complexes.	$2 per drop-off appliance – gases removed from refrigeration units, commercial loads of metal accepted -- $60/ ton tip fee	Yes, refrigerant gases removed according to USEPA regulations	Davis Industries	Propane cylinders go out as scrap metal; collected by Aero Energy
City of Falls Church	✔	✔	Any household appliance	2 per house	$30/appliance	✔	Contract up 2014, Same - free drop off
Town of Herndon	✔	✔	Appliances; metals	$35 per collection, outside of semi-annual clean up program	Yes	Davis Industries	Freon is removed before disposal

Table 18: Public Appliance and Metal Recycling Programs 2015 (Continued)

Jurisdiction	Schedule		Materials and Limits	Fees	Accept Appliances With Freon?	Recycler	Comments
	Request	Weekly					
Town of Leesburg	✔	✔	Appliances		Yes - if freon removedby certified technician who leaves a tag, prior to collection.	LFF	
Loudoun County			County does not collect; all metals and appliances accepted at Landfill	$25 per appliance containing freon, $2 per propane tank, $62/ ton tip fee	Yes; freon removed by a private contractor at landfill	Joseph Smith & Sons	Propane cylinders go out as scrap metal; collected by Aero Energy
City of Manassas	✔	✔	Household appliances including refrigerators, freezers, air conditioners, washers, dishwashers, stoves, dryers	Included in regular service user charge as part of the refuse and recycling contract.	Yes	Davis Industries	Doors from refrigerators and freezers must be removed prior to collection.
City of Manassas Park	✔		Washers, dryers, ovens/ranges, refrigerators, freezers (2 appliances per collection)		See comments	Patriot Disposal	Refrigeration appliances: Freon must be removed and tagged by certified tech before Patriot will collect.
Montgomery County	✔				Yes	Joseph Smith & Sons, Inc.	4,244 tons scrap recycled at TS; 468 tons recycled at RRF (post combustion)
Prince George's County	✔		All items included in bulky trash service		Included in solid waste fees	Joseph Smith & Sons, Inc.	
Prince William County			Dropoff Services Only: Residents and businesses may drop off at the landfill. Businesses must show proof that refrigerant has been evacuated. Residents may also dropoff appliances at our Balls Ford Facility.		Yes, from residents. Non-residential refrigeration appliances must show proof of freon evacuation	Davies Industries	
Town of Vienna		✔	Metals - non construction		No	Davis Industries	We do not collect any appliances

Table 19: Public Electronics Recycling Programs 2015

Jurisdiction	Electronics Program	Electronics Program Budget	Other Commercial Programs in Place	Electronic Comments	Frequency of Collection Events	What Data do you collect? Tv's CRTs, other, ton or unit?	Car Counts?	2013 Data	2014 Data
City of Alexandria	✔	Part of HHW Budget	Hope to provide future CESQG program for small business	Also available to small businesses	HHW and electronics collected 2x/ week (Mon & Sat) year round except holidays	Recycling data provided by processor broken out by lbs and quantity for CRTs, TVs, computers, and peripherals.	HHW contractor Reports	84 T	
Arlington County	✔	ECRC (Electronics Collection and Recycling Center) budget is part of the HHM Program budget	E-Care events managed by HHM Facility.	Residents must request and schedule a pickup or HHM and electronics drop-off at HHM Facility (@ WPCP) Saturdays and by appt. during the week / semi-annual E-CARE @ TJMS	Semi-annual E-care, year round ECRC	Data provided by Hauler and broken out by qty. HHW data is provided as pounds. HHM Program serviced 9,045 resident drop-offs in	Counts individual resident drop-offs	83 T E-cycling	72T, 2015=58 T e-cycling. Electronics, 2338 people FY15 (1,172 fall E-CARE; 1,493 spring E-CARE; 6,380 HHM Facility/ECRC)
District of Columbia	✔	cost (UNICOR) Staffing Event Labor			Monthly	Overall Tons	8,009	67 tons FY	
Town of Dumfries									
City of Fairfax	Use Fairfax County program	City residents are directed to use Fairfax County events or for computers to retailers (e.g., Staples).						50 T	
Fairfax County	✔	$151k/yr	Obsolete electronics recycled	Prices have increased	Daily drop-off at two locations	Weight	11,786	540.3 T	682.4 T
City of Falls Church	✔	$5,000.00			2x /year	TVs, CRTs, by unit and ton	Average 600 per event	92 T	15.19 T

Table 19: Public Electronics Recycling Programs 2015 (Continued)

Jurisdiction	Electronics Program	Electronics Program Budget	Other Commercial Programs in Place	Electronic Comments	Frequency of Collection Events	What Data do you collect? Tv's CRTs, other, ton or unit?	Car Counts?	2013 Data	2014 Data
Town of Herndon	✔	Served through Fairfax County			County website for dates				
Town of Leesburg				Town residents can attend Loudoun County's events					
Loudoun County	✔	$0	Yes, provided by private sector		2x /year	Number of TV's, CRTs, and other electronics, tons, and units are all recorded; data collection provided by electronics recycling vendor.	1,310	55 T from 1,308 particpants	40 T from 990 participants
City of Manassas	✔	FY2014: $35,000; FY2015: $30,000	eWaste recycling services of local consumer electronics stores.	The City started a new eWaste contract in 2014 with a local recycler.	There are 9 eWaste collections per year including a Spring and Fall event.	eWaste is classified by units and tons and then as: CRT TVs, CRT Montiors, Rear Projection TVs and Misc eWaste.		73.29 T	96 T
City of Manassas Park	✔	Included in budget	Best Buy	A large percentage of our e-waste has been diverted to "take back" programs sponsored by retailers such as Best Buy, especially since they now take flat screen TVs up to 60".	1x /year or less			7.4 T	0.05 T

Table 19: Public Electronics Recycling Programs 2015 (Continued)

Jurisdiction	Electronics Program	Electronics Program Budget	Other Commercial Programs in Place	Electronic Comments	Frequency of Collection Events	What Data do you collect? Tv's CRTs, other, ton or unit?	Car Counts?	2013 Data	2014 Data
Montgomery County	✔	$5,000	Available in the private sector at some consumer electronics stores	Electronics recycler provides a monthly breakdown of principal components collected. Transfer Station has total tons recycled each month/	Occasional satellite events are held to support the rural areas of Montgomery County.	Tons of electronics		1,880 T for CY12	1,902 T for CY13
Prince George's County	✔	Included in HHW budget		Permanent Facility open 3 days/ week	~3/year	Tons of electronics	Yes		
Prince William County	✔	$250,000.00	Several retail sponsored programs, andprivate recycler.	Cost of CRT processing is increasing	Twice a week at Prince William Landfill Once a month at Balls Ford compost facility	Pounds by type of device, cost and date of collection.	23,355	659.85 T	676.50T
Town of Vienna									

Table 20: Household Hazardous Waste and Latex Paint Programs 2015

Jurisdiction	HHW Collection		Paint		Customers Served	Budget/Staff	Outreach for HHW		Comments
	Program	Events	Percent Latex	Disposal Cost (units)			Yes	Budget	
City of Alexandria	Permanent. Site relocated to 3224 Colvin Street and still open 2x/week for residents and small businesses only.	✔	40%	$25,000	10,476	$250,000	✔	$2,500	Occasional special events in conjunction with other organization
Arlington County	Permanent, by appointment on weekdays	Yes (2 semi-annual)	est. 35% total HHM	Latex cost $0.14/ lb	9,045	$335K/0.8 FTE	✔	$5K	
District of Columbia	Permanent, Monthly		0%		8,009 includes count for e-cycling and shredding				Online media only. Monthly press releases
Town of Dumfries	None								
City of Fairfax	City residents use Fairfax County facilities								
Fairfax County	2 Permanent Drop-off Facilities & 4 Satellite Remote Collection Events	✔		FY 2014 $25.13/ household hazardous waste	FY 2014: 565,486 lbs of hazardous waste & 31,726 customers served	$733,954.19 (Total Budget)/$350,000 (Employee Cost out of Total Budget)			
City of Falls Church	Permanent, use Fairfax County	✔							
Town of Herndon	✔	✔					✔		Residents can attend Fairfax County programs.
Town of Leesburg									Residents can attend Loudoun events
Loudoun County	✔	✔	Over 40%		3,873	$285,000 and 1 FTE	✔	$4,000 per FY towards tax flyer printing	$73,795.98; amount saved in FY2105 through latex diversion program

Table 20: Household Hazardous Waste and Latex Paint 2015 (Continued)

Jurisdiction	HHW Collection		Paint		Customers Served	Budget/Staff	Outreach for HHW		Comments
	Program	Events	Percent Latex	Disposal Cost (units)			Yes	Budget	
City of Manassas	Contract with Waste Management	9x/ year	95%	Paid for by Waste Management through the Special Use Permit for the Manassas Transfer Station.	FY2014: 752; FY2015: 1,1148	Handled by Waste Management	✔	Not Seperated	Improved HHW Outreach program with updated website and increased publicity, especially linked to America Recycles Day and Earth Day.
City of Manassas Park	Permanent	Up to 2x/ year		$792.00 per cubic yard	50-100	Public works provides 2 staff members to monitor cars for city stickers or drivers licenses to ensure access by residents only.	✔	Not separated	
Montgomery County	Permanent		Not available		about 80,000	About $900,000	Minimal	about $45,000	Outreach spending has been limited due to budget concerns. ECOWISE 2nd Wednesday of every month
Prince George's County	Permanent, 3 days/week						✔	$700,000	
Prince William County	Permanent				23,355 (includes HHW traffic)	$420,000			Budget for HHW outreach is included in general outreach budget
Town of Vienna									

Table 21: Conditionally Exempt Small Quantity Generator Programs 2015

Jurisdiction	Events for CESQG's	Comments
City of Alexandria	Accepted at permanent HHW site for special fee or disposal	Permanent site
Arlington County		
District of Columbia		See DDOE for commerical hazardous waste stream data.
Town of Dumfries		
City of Fairfax	Participates with Fairfax County	2012: 46 companies
Fairfax County	Three per year with fee	FY 2014: 101 business customers
City of Falls Church	Participates with Fairfax County	
Town of Herndon		
Town of Leesburg		Town uses Loudoun County events
Loudoun County	Two events: spring and fall	Budget includes newspaper advertisements and HHW flyer. Reducing number of paid advertisements.
City of Manassas		
City of Manassas Park		
Montgomery County	ECOWISE 2nd Wednesday of every month	Must be small quantity generator for ECOWISE events; registration required
Prince George's County	Yes	
Prince William County		Referred to hazardous material contractors via the web and flyer
Town of Vienna		

Table 22: Construction and Demolition Debris (CDD) Programs 2015

Jurisdiction	Privately Generated CDD a Problem?	Tracking/ Authority to Track CDD		Handle Dirt, Rock, Asphalt, and Other CDD Debris	CDD Comments
	Yes	Authority	Currently Tracking		
City of Alexandria		✔	C&D being reported by haulers in annual RRR	Do not pick up	Recommend citizens use a local private transfer facility for C&D disposal and recycling. Promoting C&D recycling through LEED Certification programs and public outreach online
Arlington County	Yes, particularly in tracking/ reporting	✔		County soil is screened, sent as fill dirt, or used as daily cover at a landfill. County rock, asphalt, and concrete is crushed, sorted by size, and used by public works crews	Arlington has the authority to track, but only tracks CDD waste generated from government projects. County permits dumpsters placed in right-of-way
District of Columbia	Yes, extra handling required			Yes	Some is landfilled
Town of Dumfries				Not collected by American	
City of Fairfax	✔		✔	Collected curbside weekly using crane truck.	We collect CDD from home owner projects. We do not collect debris from work done by a contractor. Some tracking is a priority in new plan
Fairfax County	✔			Small quantities of CDD from residential properties accepted at county facilities. The majority of CDD is disposed of at privately owned facilities	CDD contractors shall source-separate and recycle cardboard.
City of Falls Church	✔			Do not collect in routine curbside collection; small amounts produced by homeowner may be collected for $75 / 2yd^3. City generated CDD is taken to a private CDD landfill	
Town of Herndon				Do not pick up	As the market changes disposal of materials seem to increase - somehow CDD enters waste stream and at times will need to be collected
Town of Leesburg	✔			Do not pick up	The Town notifies homeowners.

Table 22: Construction and Demolition Debris (CDD) 2015 (Continued)

Jurisdiction	Privately Generated CDD a Problem?	Tracking/ Authority to Track CDD		Handle Dirt, Rock, Asphalt, and Other CDD Debris	CDD Comments
	Yes	Authority	Currently Tracking		
Loudoun County		✔	✔	Inert materials accepted at the Loudoun Landfill are reused for construction of berms and/or road maintenance	Mixed CDD, such as wallboard and lumber, are buried. Separated landclearing debris is processed to create mulch. Permitted solid waste collectors and management facilities report quarterly to the Department of General Services for the waste handled in Loudoun County. Disposal costs at the Landfill is $62 per ton with a minimum fee of $6.
City of Manassas				Do not pick up	All CDD is directed to the Manassas Transfer Station.
City of Manassas Park				Do not pick up	CDD reported by local business on reporting forms. CDD Outreach included in Budget
Montgomery County	✔	✔	✔	Non-processible recycled in CY13- 41,776	Not processible at our RRF (e.g. "non-processibles"); are landfilled at a privately owned landfill (CY13 –about 1,000 tons). Some CDD delivered to the County Transfer Station may be burned in County RRF, (CY13 – about 65,000 tons). County Regulation 5-13AM requires all licensed collectors to report the amounts of CDD that they collect in the County disposed of at facilities other than the County Transfer Station. CY13 collectors reported delivering approximately 135,675 tons to non-county facilities.
Prince George's County	✔	✔	✔	Do not pick up	The County tracks waste and permits CDD haulers
Prince William County				Only with pre-approval at County landfill if needed for on-site use	The County does not accept CDD at our landfill, except one pick-up load from residents and commercial users.
Town of Vienna	✔				TOV does not collect CDD

Table 23: Refuse and Recycling Facilities used by Local Jurisdictions 2015

Jurisdiction	Permitted Disposal Facilities Used by Jurisdictions		Recycling Facilities			Comments	
	Regional	Out of Region	Regional	Out of Region	Composting	Disposal	Recycling
City of Alexandria	Arlington/Alexandria WTE facility		WMI Recycle America, Electric Ave, Springfield, VA	Elkridge MRF	Western Branch, Prince George's County, MD		Recycle America has a monopoly on processing in our area.
Arlington County	Covanta Alexandira/ Arlington WTE; I-95 Landfill - Ash Monofill; Food waste from detention center is taken to WM transfer station	Use King George Landfill as an overflow disposal option when Covanta WTE is not available	WM Recycle America in Springfield and Merrifield transfer station		Contract with Loudon Composting		
District of Columbia	Same		Same				
Town of Dumfries	Prince William County Landfill		American Disposal				
City of Fairfax	I-66 Transfer facility; I-95 complex; Lorton Landfill		I-95 complex; I-66 Transfer facility; WM Recycle America; Davis Industries; Loudoun Composting; JL Tree		Loudoun Composting, JL Tree		
Fairfax County	I-66 Transfer Station Complex; I-95 Landfill Complex; I-95 ERRF	King George Landfill, Prince William County Landfill	Waste Management Facilites in the metro area		Loudoun Composting and Balls Ford Facility		
City of Falls Church	I-66 Transfer facility; I-95 complex; Lorton Landfill		LFF Recycling		PWC Balls Ford Yard Waste Compost Facility; PG County Composting Facility		
Town of Herndon	I-66 Transfer facility / Lorton		American Recycling Center, Inc.		Loudoun Composting		
Town of Leesburg	Loudoun County Landfill		Evermore Recycling; AMG Recycling; Butler Paper; GP; Canusa Hershman; CAN; Eastern Rec.; Loudoun Compost; LFF		Loudoun Composting		

Table 23: Refuse and Recycling Facilities used by Local Jurisdictions 2015 (Continued)

Jurisdiction	Permitted Disposal Facilities Used by Jurisdictions		Recycling Facilities			Comments	
	Regional	Out of Region	Regional	Out of Region	Composting	Disposal	Recycling
Loudoun County	Loudoun Solid Waste Management Facility		Joseph Smith & Sons, Mid States Oil, Battery Mart of Winchester, Emanuel Tire, Waste Management Recycle Americal			This data includes facilities that Loudoun County itself uses through contracted services or self-hauling. This data does not include facilities used by the private sector.	JSS hauls metal; Mid States Oil collects UOF, UA, and oil filters, Battery Mart collects lead acid batteries; Emanuel Tire hauls used tires; recycling drop-off center materials go to Waste Management Recycle America
City of Manassas	Manassas Transfer owned and operated by Waste Management through Special Use Permit	King George in Spotsylania County / Mid Penn	American Disposal Services Recycling Center		Organic composting for food waste not available at this time	Contractor takes MSW to Manassas Transfer Station	American Disposal Services opened new recycling center in 2014
City of Manassas Park	Manassas Transfer, Fairfax Co/I-66 Transfer Station		Manassas Transfer Station, Bull Run Recycling, Commonwealth Recycled Aggregate		Balls Ford Road, and a local farm		
Montgomery County	Shady Grove Prcessing Facility and Transfer Station	Old Dominion Landfill, Honeygo Run Reclamation Facility and Rubble Landfill	Montgomery County Recycling Center (MRF)	Dozens of commodity brokers and processors			

Table 23: Refuse and Recycling Facilities used by Local Jurisdictions 2015 (Continued)

Jurisdiction	Permitted Disposal Facilities Used by Jurisdictions		Recycling Facilities			Comments	
	Regional	Out of Region	Regional	Out of Region	Composting	Disposal	Recycling
Prince George's County	Brown Station Road		Prince George's County Materials Recycling Facility	Commercial recycling is taken to facilities in and out of the State of Maryland. A complete list may be obtained from the Maryland Department of Environment	Prince George's County Yard Waste Composting Facility		
Prince William County	Prince William County Landfill, I-95 Waste Complex		National Paper Recycling, American Recycling Center, and the Northern Virginia Recycling Center (Notes Drive)	R Board Recycling Center in Stafford County	Balls Ford Road Facility		
Town of Vienna	I-66 Transfer facility		Fairfax County				

Table 24: Landfills Receiving Regional Waste 2015 (calendar year)

State	Pemit #	Name	Location	Capacity (T)	2014 Life Expectancy	Disposed 2014 (T) MD 2013	Private/ Public
			Landfills				
WV		Berkely LCS	Kearneysville		35	9686	Private
VA	SWP562	Atlantic Waste Disposal	Sussex County	55,049,214	98	1,721,159	Private
VA	SWP554	BFI King and Queen	Little Plymouth	9,323,452	28.8	296,196	Private
VA	SWP553	BFI Old Dominion	Henrico County	2,107,740	5.2	753,421	Private
VA	SWP583	Brunswick Waste Management	Lawrenceville	10,360,866	172	240,162	Private
VA	SWP149	Faquier County	Warrenton	-	0	0	Public
VA	SWP575	Faquier County	Warrenton	325,195	30	50,590	Public
VA	SWP103	I-95 Landfill	Lorton	4,006,028	31.1	317,162	Public
VA	SWP586	King George	King George	19,945,228	31	1,202,740	Private
VA	SWP001	Loudoun County	Leesburg	11,219,862	100	136,977	Public
VA	SWP194	Lousia County	Louisa	0	0	0	Public
VA	SWP090	Orange County	Orange	1,744,711	37.2	27,122	Public
VA	SWP029	Prince William County	Prince William	6,753,500	18.5	370,011	Public
VA	SWP589	R-Board Landfill	Stafford	6,475,031	48	120,594	Public
VA	SWP547	Spotsylvania County	Spotsylvania	879,391	9.3	123,423	Public
VA	SWP572	Waste Management Mid Peninsula	Glenns	17,584,355	78	401,682	Private
VA	SWP531	WMI Landfills	Charles City	13,781,662	98	304,770	Private
MD	2005-WMF-0110	Alpha Ridge Municipal Landfill	Howard	5,838,934	2126	324	Public
MD	2003-WMF-0589	Brown Station Road Municipal Landfill	Prince George's	3,781,289	2016	433,075	Public
MD	2005-WMF-0076	Charles County Municipal Landfill No. 2	Charles	3,828,149	2039	61,631	Public
MD	2005-WMF-0240	Millersville Municipal Landfill	Anne Arundel	9,576,989	2034	2,888,404	Public
MD	2003-WMF-0582	Site B Municipal Landfill - VE	Fredrick	3,892,945	2045	11,988	Public

Table 25: Regional Waste-to-Energy Incinerators 2015 (Calendar year)

State	Pemit #	Name	Location	Capacity (T)	2014 Life Expectancy	Disposed 2014 (T) MD 2013	Private/ Public
Incinerators							
VA	SWP435	Covanta Alexandria/Arlington	Alexandria	975	20	345,477	Public/ Covanta
VA	PBR197	Pentagon	Arlington	NA		2,305	Fed
VA	PBR534	Ft Belvoir Incinerator	Fairfax	NA		37	Fed
VA	SWP 510	Covanta Fairfax	Lorton	3,000	20	1,026,781	Public/ Covanta
VA	PBR173	CIA	McLean	12		1,496	Fed
MD	2008-WTE-0538	Montgomery County Resource Recovery Facility	Montgomery	1,800	20	471,618	Public/ Covanta
MD		Fredrick Maryland Incinerator	Fredrick	Planned			WMI
MD	2007-WTE-0576	Harford Waste-to-Energy	Harford	350		113,401	
MD		Fredrick Maryland Incinerator	Fredrick	Planned			WMI

Table 26: Regional Materials Recovery Facilities and Recycling Facilities 2015 (Calendar year)

State	Pemit #	Name	Location	Materials	Permitted T/Day	Private/ Public
Materials Recovery Facilities						
WV		REMAC America	Summit Point, WV	Metals		Private
VA	PBR107	BFI Fredricksburg Recyclery	Fredricksburg		1,000	Private
VA	PBR536	Broad Run Recycling	Prince William	CDD	500 (8-hr), 1,500 (24-hr)	Private
VA	PBR521	CFP	Prince William	CDD	1,000	Private
VA	PBR102	LFF Recycling Inc./MRF	Sterling, Loudoun	CDD, source separated recyclables	600	Private
VA	PBR544	Culpeper Regional	Culpeper	CDD and Regular	2,500	Private
VA		Gordon Recycling	Alexandria	Paper		Private
VA	PBR537	J&E Recycling	Fredricksburg	CDD and Regular	300	Private
VA		Manassas Scrap	Manassas	Metals		Private
VA		Metalpro	Springfield	Metals	7	Private
VA	PBR101	Potomac LF MRF	Alexandria		1,000	Private
VA		Potomac Metals	Manassas	copper, brass, steel		Private
VA		Northern Virginia Recycling Center	Manassas	(formerly Canusa Hershman, WMRA)		Private
VA		American Recycling Center	Manasssas			Private
VA		Potomac Metals	Sterling	copper, brass, steel		Private
VA		Prince William Metals	Manassas	Metals		Private
VA		National Paper Recycling	Manassas	OCC, MP, SOP, SWL, ONP, printer mix, paper rolls, paper bales, and mixed plastics		Public/ Private
VA	PBR093	WM-Sterling MRF of VA	Sterling	CDD, paper	600	Private
VA	PBR111	WM Recycle America	Merrifield	CDD, recycling	721	Private
	PBL-006	Old Dominion MRF	Leesburg	paper, SS recyclables, OCC metals	600 (MSW), 900 (CDD)	Private
VA		WMRA Capitol MRF (old Capitol Fiber)	Springfield	paper, single stream, occ, metals	1,000	Private
VA		Zuckerman Metals	Winchester, VA	Metals		Private
MD		Butler Paper				Private
MD	2005-WPF-0563	Dower House	Upper Marlboro		not yet constructed 2010	Private
MD		Georgetown Paperstock	Rockville, MD	OCC & Mixed paper		Private

Table 26: Regional Materials Recovery Facilities and Recycling Facilities 2015 Calendar year(Continued)

State	Pemit #	Name	Location	Materials	Permitted T/Day	Private/ Public
Materials Recovery Facilities						
MD		Maryland Metals	Hagerstown, MD	Metals		Private
MD	2006-WPT-0617	Montgomery County MRF	Derwood	Dual stream, commingled materials, mixed paper received and transferred to contractor		Public
MD		Prince George's MRF	Capitol Heights			

Table 27: Regional Transfer Stations 2015 Calendar Year

State	Pemit #	Name	Location	Rates 2008 T/Day	Private/ Public	Materials
Transfer Facilities						
VA	PBR091	WMI Manassas	Manassas	1083	Private	
VA	PBR140	BFI Laurel Valley Center	Culpeper	475	Private	
VA	PBR154	Madison County	Madison	100	Public	
VA	PBR555	Fairfax I-66	Fairfax	5493	Public	
MD	2006-WPT-0617	Shady Grove PF&TS	Derwood	$56/ton Roll offs $60/ton	Public	660,141/2008
DC		Ft Totten Transfer Station	DC		Public	
DC		Benning Road Transfer	DC		Public	
MD	2007-WPT-0578	Alpha Ridge Processing Facility & Transfer Station	Howard		Public	35,275/2006
MD	2009-WTS-0594	Workplace Essentials Transfer Station	Howard		Private	118/2006
MD	2006-WPT-0572	Ameriwaste Processing Facility & Transfer Station	Howard		Private	182,557

Table 28: Regional Yard Waste Facilities 2015 Calendar Year

State	Pemit #	Name	Location	Materials	Permitted T/Year	Private/ Public
Composting/Yard Waste Facilities						
VA	PBR030	Balls Ford Road Composting Facility	Prince William	Yard Waste and preconsumer fruits and vegetables	50,000	Public
VA	PBR141	Loudoun Composting	Chantilly	Yard Waste	45,000	Private
MD		Prince George's County Yard Waste Facility	Prince George's			Public
MD		Montgomery County Compost Facility	Montgomery			Public
MD		Butler Tree Service				Private
MD		Hayfield Nursery				Private
VA		Brookview Farm				Private
MD		Pogo Organics				Private

Table 29: Regional Construction and Demolition Debris Disposal and Materials Recovery Facilities 2015

State	Pemit #	Name	Location	Capacity	2014 Life Expectancy	Permitted Daily Rate 2014 (T or T/D)	Private/ Public
CDD Disposal							
VA	SWP326	Hilltop Sand and Gravel	Fairfax	0	0 yrs	0	Private
VA	SWP331	Lorton CDD Landfill	Lorton	3,699,118	4 yrs	1,087,313 in 2014	Private
VA	SWP441	Potomac CDD Landfill	Dumfries	594,000	14 yrs	140,064 in 2014	Private
VA	SWP 149	Faquier C&D recovery	Faquier	0	0		Public
MD	2010-WRF-0126	Ritchie Land Rubble	Prince George's	78/258	4/4/2010, 1/10/2011		Private
VA	SWP327	Rainwater Landfill	Lorton	371,216	13 yrs	31,192	Private
CDD Materials Recycling							
VA	PBR536	Broad Run Recycling	Manassas				Private
VA	PBR101	Potomac Landfill Inc	Alexandria			1,000	Private
VA	PBR521	CFP LLC C&D recovery	Manassas			1,000	Private
VA	PBR528	Fauquier C&D recovery	Warrenton			500	Public
VA	PBR102	LFF Recycling Inc/MRF	Sterling			600	Private
VA	SWP327	Rainwater landfill - concrete	Fairfax				Private
MD	2003-WPF-0581	C&D Recovery Facility	Clarksburg	- / 10.8	3/11/2009		Private
MD	2007-WPF-0571	Kenilworth PF	Capital Heights	- / 9.2	not yet built: 10/9/2012		Private
MD	2004-WRF-0126	Lawrence St C&D	Hyattsville	1.8 / 2.85			Private
MD	2007-WPT-0218	Sherrif Road PF&TS	Fairmont Hts	-/ 1.5	11-Sep-12		Private
VA	PBR537	J&E Recycling	Fredricksburg	cdd and regular		300	Private
VA	PBR544	Culpeper Regional	Culpeper	cdd and regular		2,500	Private
VA	PBR536	Broad Run Recycling	Manassas			500 (8-hr) / 1,500 (24-hr)	Private
VA	PBR111	WM Virginia	Merrifield			721	Private
VA	PBR093	WM Virginia	Sterling	CDD		600	Private

Table 30: Public Contracts for Recycled Materials 2015 Sorted by Locality

Contract Riders: Any jurisdiction can add standard terms from the Metropolitan Washington Council of Governments (MWCOG contract rider) in bid documents to allow other governments to receive the same contract provisions. Four jurisdictions reported using contracts with the MWCOG contract rider.

Jurisdiction	Year	FY/CY	Materials Marketed	Company	Fees and Payments	Rider for Contract?	Contract Expires	Comments/Changes
City of Alexandria	2015	FY	Single Stream Recyclables	WM Recycle America	$72 per ton for processing; 100% of the sale value is paid to the City	Yes	Dec. 2019	
Arlington County	2014	FY	Metal	Joseph E. Smith	The county is paid 100.5% of the American Metal Market published price		12/31/2015	
Arlington County	2013	FY	Single Stream	WM	See formula		1/31/2023	New Contract changes rebate structure to include 85% of index commodity value and processing fee is $72 per ton
Town of Dumfries	2010	FY	All household and MF generated	American Disposal	collecting and disposal, $162.04 per household/per year	This contract is held by Falls Church	6/30/2016	Falls Church contract
City of Fairfax	2008		Cardboard; mixed paper; newspaper; cans; glass; plastics; scrap metal; automotive batteries; rechargeable household batteries; and waste motor oil and filters	Waste Management/ Recycle America for curbside; Capitol Fiber for dropoff; Davis Industries for metals; Interstate Batteries for auto batteries; Potomac Environmental Inc. for household batteries; Metal Pro for oil filters; FCC Environmental for used oil	Current market rates		New contract end date 9/30/2013	

Table 30: Public Contracts for Recycled Materials 2015 (Continued)

Contract Riders: Any jurisdiction can add standard terms from the Metropolitan Washington Council of Governments (MWCOG contract rider) in bid documents to allow other governments to receive the same contract provisions. Four jurisdictions reported using contracts with the MWCOG contract rider.

Jurisdiction	Year	FY/CY	Materials Marketed	Company	Fees and Payments	Rider for Contract?	Contract Expires	Comments/Changes
Fairfax County	2016	FY	Principal recyclable maerials	Waste Management Inc.	Single stream = mixed paper, newspaper, cardboard 85% of PPI price, based on percentage of waste sort. Dual stream = mixed paper, newspaper, cardboard 85% of PPI price, based on percentage of waste sort. -Aluminum cans 20% of recycling markets price, Metal 85%, Plastic 60%. -$60 tipping fee	Yes	Oct. 28, 2018	Not an exclusive contract
Fairfax County	2016	FY	Sale of Scrap Metal	Davis Industries	White goods and other metals-$165/ton revenue	Yes	12/31/2015	Solicitation being prepared now
Fairfax County	2016	FY	Shredding of Paper	NOVA Shredding Safeguard SHredding	Shredding residents' documents Various rates=$.05 per pound; collecton of 96 gal. bin =$27	Yes	1/31/2017	
Fairfax County	2016	FY	Battery Recycling	NoVA Battery LLC/ Interstate Battery	Recycles car and other vehicle batteries; varioius prices depending on core	No	2/14/2016	Riding another jurisdiction's contract
Fairfax County	2016	FY	Tire Shredding	Emanuel Tire of VA	Shreds tires and recycles material, rims, etc.; Various prices, waste tires =$62.50 / ton	Yes	2/28/2017	
Fairfax County	2016	FY	HHW Waste Services	Clean Venture, Inc.	Recycles used oil/antifreeze, etc.	Yes	5/31/2017	
Fairfax County	2016	FY	Electronic Waste Collection and Recycling	Service Source, Inc.	Recycles computers, TVs, peripherials, cables, etc. $0.095/lb	No	6/30/2017	
Fairfax County	2016	FY	Yard Waste Compost Processing Services	Loudoun Composting LLC	Accepts yard waste and brush for recycling	Yes	3/31/2018	
Fairfax County	2016	FY	CDD Recycling	EnviroSolutions-Lorton Landfill	Recycles 10% of CDD disposed	Yes	8/31/2018	

Table 30: Public Contracts for Recycled Materials 2015 (Continued)

Contract Riders: Any jurisdiction can add standard terms from the Metropolitan Washington Council of Governments (MWCOG contract rider) in bid documents to allow other governments to receive the same contract provisions. Four jurisdictions reported using contracts with the MWCOG contract rider.

Jurisdiction	Year	FY/CY	Materials Marketed	Company	Fees and Payments	Rider for Contract?	Contract Expires	Comments/Changes
Fairfax County	2016	FY	Used Cooking Oil	Greenlight Biofuels WVO, LLC	Recycles used cooking oil; revenue o= 40% of Missouri River Index for Yellow Grease	Yes	2/29/2020	
City of Falls Church	2015			LFF Recycling	Variable rate depending on commodity pricing and recycling sort		9/30/2016	3 additional one-year renewals
Town of Herndon	2016	FY	Single Stream	American Recycling Center, Inc.	Tipping Fee $70 per ton, this is offset by the value of the material collected and delivered. A annual sort is required per the contract.	Available	Sept. 2015	Four additional one year terms available
Town of Herndon	2012		Curbside materials, single stream recycling, metals, OCC	Canusa/Davis Industries	Market Priced			Rides Falls Church contract
Loudoun County	2015	CY	HHW & CESQG	Clean Harbors Environmental Services	$7,500 mobilization fee, $1,000 transporation and container rental fee, plus materials for HHW, $1,500 BHWP setup fee $5,000 mobilization fee, plus materials for HHW, $500 BHWP setup fee		12/31/2016	four renewals
Loudoun County	2015	CY	Lead Acid Batteries	Battery Mart of Winchester	$17.00/heavy commerical batter, $6.28/auto battery, $2.55/utility battery, and $1/ motorcycle battery		12/31/2015	one renewal
Loudoun County	2015	CY	Scrap Metal Recycling	Joseph Smith & Sons	-		12/31/2015	
Loudoun County	2015	FY	Tires	Emanuel Tire	$800 per tractor-trailer load		5/14/2016	one renewal, Program eliminated County responsbility for hauling and reduced associated costs.
Loudoun County	2015	CY	Used Antifreeze	Mid States Oil	No rebate		12/19/2015	two renewals
Loudoun County	2015	CY	Used Motor Oil	Mid States Oil	No rebate		12/19/2015	two renewals

Table 30: Public Contracts for Recycled Materials 2015 (Continued)

Contract Riders: Any jurisdiction can add standard terms from the Metropolitan Washington Council of Governments (MWCOG contract rider) in bid documents to allow other governments to receive the same contract provisions. Four jurisdictions reported using contracts with the MWCOG contract rider.

Jurisdiction	Year	FY/CY	Materials Marketed	Company	Fees and Payments	Rider for Contract?	Contract Expires	Comments/Changes
Loudoun County	2015	CY	Oil Filters	Mid States Oil	$25 per 55-gallon drum		12/19/2015	two renewals
Loudoun County	2015	FY	Single Stream Recyclables	Patriot Disposal	$251,740 per year	Yes	6/30/2015 - three renewals	Program changed collection containers from 30-yd roll-offs to 8-yd front-end loading dumpsters, reduced costs by over 30% and improved service efficacy.
City of Manassas	2014	FY	Residential Recycling	American Disposal Service	Paid on a per unit basis with an annual contract adjustment	Yes	June 2016	Contracted for residential recycling and refuse collection
City of Manassas	2014	FY	Electronic Waste	Prime Recycling Group	Payment per ton	Yes	Dec. 2015	1 year contract with option for renewal; collection of residential drop offs on HHW days
City of Manassas	2014	FY	Metals	Potomac Metal	Payment per ton	Yes		City scrap metal collection
City of Manassas	2014	FY	Scrap Water and Electric Meters	Telecycle	Payment per ton	Yes	ongoing	City scrap metal collection
City of Manassas	2014	FY	HHW	Veolia	Payment per ton	Yes	ongoing	
City of Manassas Park	2012	CY	the City does not market materials	Patriot Disposal	N/A		12/31/15	
City of Manssas Park	2013	FY	Scrap Metal	Prince William Metal Recycling	Current Market Prices			
Montgomery County	2013		Aluminum Foil	Dec 13 contractor: Terrapin	$1,291.00/ton			
Montgomery County	2013		#3-7 Plastic	Dec 13 contractor: Ekman	$60.00/ton			
Montgomery County	2013		Aluminum	Dec 13 contractor: CANUSA	$1,377.00/ton			
Montgomery County	2013		Ferrous	Dec 13 contractor: Cellmark	$314.00/ton			

Table 30: Public Contracts for Recycled Materials 2015 (Continued)

Contract Riders: Any jurisdiction can add standard terms from the Metropolitan Washington Council of Governments (MWCOG contract rider) in bid documents to allow other governments to receive the same contract provisions. Four jurisdictions reported using contracts with the MWCOG contract rider.

Jurisdiction	Year	FY/CY	Materials Marketed	Company	Fees and Payments	Rider for Contract?	Contract Expires	Comments/Changes
Montgomery County	2013		Flower Pots	Dec 13 contractor: 3L Distribution	$70.00/ton			
Montgomery County	2013		Glass (several types)	Dec 13 contractor: Carry All	Flint Glass: $30.00/ton; Amber Glass: $23.00/ton; Green Glass: $5.50/ton; Mixed Broken Glass: -$10/ton			
Montgomery County	2013		HDPE Color	Dec 13 contractor: Cellmark	$571.00/ton			
Montgomery County	2013		HDPE Natural	Dec 13 contractor: Clean Tech	$752.00/ton			
Montgomery County	2013		PET Plastic	Dec 13 contractor: Clear Path	$362.20/ton			
Montgomery County	2013		Scrap Metal	Joseph Smith & Sons	Aluminum cans 85% of recycling markets price, Metal 85%, Plastic 60%			
Montgomery County	2013		Textiles	Community Recycling	$500.00/ton			
Montgomery County	2013		Tubs and Lids	Dec 13 contractor: Ekman	$90.00/ton			
Prince William County	2009			National Paper Recycling	Rent and payment for commodities		Rebid in 2016	
Prince William County			Reusable Materials	World Trade Co.			June 2017	
Prince William County			Scrap Metal	Davies Industries			Feb. 2016	
Prince William County			Batteries	Interstate			Feb. 2016	
Prince William County			Anti-freeze	Crystal Clean			Feb. 2016	
Prince William County			Organics Waste Processing	Freestate Farms, LLC			June 2035	
Prince William County			Electronics Recycling (LF site)	eRevival			July 2020	
Prince William County			Electronics Recycling (BFR site)	Potomac eCycling			July 2020	

Table 31: Solid Waste Report Contacts 2015

Jurisdiction	Name	Phone	E-mail	Jurisdiction Website
City of Alexandria	Alton Weaver	703-746-4410	Alton.Weaver@alexandriava.gov	http://alexandriava.gov/solidwaste
Arlington County	Erik Grabowsky	703-228-6488	egrabowsky@arlingtonva.us	http://www.arlingtonva.us/recycle
District of Columbia	William Easley	202-645-0746	william.easley@dc.gov	http://dpw.dc.gov/dpw
Town of Dumfries	Richard West	703-221-3400	rwest@dumfriesva.gov	http://www.dumfriesva.gov
City of Fairfax	Elbert Mann	703-385-7837	elbert.mann@fairfaxva.gov	http://www.fairfaxva.gov/RefuseRecycling/ RefuseRecycling.asp
Fairfax County	Pamela Gratton		pamela.gratton@fairfaxcounty.gov	http://www.fairfaxcounty.gov/living/recycling/
City of Falls Church	Chris McGough	703-248-5456	cmcgough@fallschurchva.gov	http://www.fallschurchva.gov/369/Solid-Waste
Town of Herndon	Mike Farr	703-435-6800 ext. 2153	mike.farr@herndon-va.gov	http://www.herndonva.gov/Town_Services/trash.htm
Town of Leesburg	Renée M. LaFollette, P.E.	703-737-6071	rlafollette@leesburgva.gov	http://www.leesburgva.gov/government/departments/ public-works/trash-recycling-services
Loudoun County	Jessica Wessell	703-777-0338	Jessica.Wessell@loudoun.gov	www.loudoun.gov/oswm
City of Manassas	Monica Boehringer	703-257-8252	mboehringer@ci.manassas.va.us	www.manassascity.org/trash
City of Manassas Park	Lisa Coughanour	703-335-8840	l.coughanour@manassasparkva.gov	http://www.cityofmanassaspark.us
Montgomery County	Theresa Souders	240-777-6425	Theresa.Souders@montgomerycountymd.gov	www.montgomerycountymd.gov/recycling
Prince George's County	Robert Reading	301-883-6026	rwrading@co.pg.md.us	http://www.fgoprincegeorgescounty
Prince William County	Thomas J. Smith	703-792-6254	tsmith@pwcgov.org	www.pwcgov.org/trashandrecycling
Town of Vienna	Michael Gallagher	703-255-6389	MGallagher@viennava.gov	http://www.viennava.gov/Town_Services/trash.htm

Cover Photo: Arlington County Yard Waste Bins prepared for distribtuion, courtesy of Allison Lohrenz, Arlington County

Back Photo: Fairfax County Metals Collection, photo courtesy of Ben Boxer, Fairfax County

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