



Solid Waste Services

Recommended FY18 Budget
\$96,543,375

Full Time Equivalents
105.14

Mission Statement

The mission of the Department of Environmental Protection (DEP) is to enhance the quality of life in our community by protecting and improving Montgomery County's air, water, and land in a sustainable way while fostering smart growth, a thriving economy, and healthy communities.

Budget Overview

The total recommended FY18 Operating Budget for the Division of Solid Waste Services is \$96,543,375, an increase of \$4,332,785 or 4.70 percent from the FY17 Approved Budget of \$92,210,590. Personnel Costs comprise 12.46 percent of the budget for 79 full-time position(s) and two part-time position(s), and a total of 105.14 FTEs. Total FTEs may include seasonal or temporary positions and may also reflect workforce charged to or from other departments or funds. Operating Expenses account for the remaining 87.54 percent of the FY18 budget.

The primary cost increases in FY18 for the Division are related to contractually mandated increases to service contracts and the continuation of capital equipment purchases according to the Division's equipment replacement schedule.

Linkage to County Result Areas

While this program area supports all eight of the County Result Areas, the following are emphasized:

- ◆ **Healthy and Sustainable Neighborhoods**
- ◆ **A Responsive, Accountable County Government**

Department Performance Measures

Performance measures for this department are included below (where applicable), with multi-program measures displayed at the front of this section and program-specific measures shown with the relevant program. The FY17 estimates reflect funding based on the FY17 approved budget. The FY18 and FY19 figures are performance targets based on the FY18 recommended budget and funding for comparable service levels in FY19.

Initiatives

- ★ DEP initiated several campaigns to improve safety and the overall environment at the transfer station in FY17 including developing site evacuation procedures, completing noise reduction measures for surrounding properties, and improving the security of cash and check handling.

- ★ The Division continued to increase training to staff and the customers they serve with the goal of improving recycling outcomes. This training included contractor training at the Recycling Center to reduce contamination of the recycling stream and performing a door-to-door outreach campaign to improve recycling participation in low-compliance areas and improve neighborhood aesthetics on collection day.

Accomplishments

- ☑ Initiated construction of the infrastructure for processing mixed paper at the Recycling Center, with an approximate cost savings of \$4,000,000.
- ☑ Maintained high level of service quality despite an overall increase in service requests, particularly requests for recycling containers. Delivered all within the Service Level Agreement (SLA). The number of requests for recycling containers in FY16 was 95,702, an SLA Compliance rate of 97%.
- ☑ The Division's Information Technology team refined the existing Solid Waste Customer Billing Database to improve reporting and accuracy of Solid Waste information to customers by improving accuracy of customer bills, electronic messaging to residential customers in real time (i.e. holiday collection, road closures), and the ability of the county to host GIS and test environments through the use of virtual servers.
- ☑ Montgomery County maintains the first yard trim composting facility in the nation to become independently certified as compliant with the new International Organization for Standardization (ISO) 14001 Environmental Management System (EMS) standard.

Innovations and Productivity Improvements

- ★ The County Executive's recommended budget includes \$100,000 of contractual support to develop options for a food waste collection program in the County. This support will also be used to assist in the development of the Strategic Plan called for in Bill 28-16.
- ★ DEP has improved transfer station waste bypass operations during FY17 by developing more efficient approaches if future needs for waste bypass arise due to peak waste periods or unanticipated maintenance issues at the RRF or the railroad. In FY17 the Division implemented a mandate that all transportation equipment be compatible with compactors at the Transfer Station causing minimum disruption to operations and reducing waiting times, associated fees, and personnel hours required for loading.

Program Contacts

Contact Patty Bubar of the Division of Solid Waste Services at 240.777.7786 or Matt Schaeffer of the Office of Management and Budget at 240.777.2766 for more information regarding this department's operating budget.

Program Descriptions

★ Administration and Support

This program supports the Department's operations, programs, and mission through professional services such as: budget and financial management, program evaluation analysis, contract management, and administrative support. This also includes managing the enterprise fund in a financially sound manner; implementing solid waste policy initiatives; performing financial analysis,

revenue forecasting, and solid waste rate settings; processing hauler invoices, tracking and reporting on tonnage and statistical waste generation data; compiling data and reporting for Headline Performance Measures and County Stat and maintaining computer/automation equipment, and related technologies in a cost effective and efficient manner.

Program Performance Measures	Actual FY15	Actual FY16	Estimated FY17	Target FY18	Target FY19
Single-family solid waste charge: System benefit charge, covers the portion of the County costs of providing basic solid waste services for single-family waste not covered by disposal and tipping fees (Dollars per household)	214	205.11	205.11	205.11	198.11

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	3,620,291	20.02
Increase Cost: SWD Administration	59,127	0.00
Increase Cost: Capital Equipment Replacement Schedule - Information Technology and Automation	36,388	0.00
Increase Cost: Information Technology and Automation - server maintenance contractual increase	9,694	0.00
Increase Cost: Charges from the Department of Finance - Disposal Fund	5,566	0.00
Increase Cost: Charges from the Department of Finance - Collection Fund	2,098	0.00
Increase Cost: Program Information Technology and Automation	1,203	0.00
Increase Cost: Administration	471	0.00
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	141,950	0.00
FY18 Recommended	3,876,788	20.02

Commercial Recycling

This program provides for mandatory commercial sector recycling and waste reduction for all businesses, as well as the review of recycling and waste reduction plans and annual reports from all large and medium-sized businesses, as well as targeted small businesses. Through this program, technical support, assistance, education, outreach, and training is provided to the commercial sector in the areas of recycling, reuse, buying recycled products, and waste reduction. This program also provides for enforcement of the County's recycling regulations and other requirements of the County Code as they apply to non-residential waste generators. All program initiatives and services also apply to not-for-profit organizations, as well as federal, state and local government facilities.

Program Performance Measures	Actual FY15	Actual FY16	Estimated FY17	Target FY18	Target FY19
Non-residential recycling (tonnages) ¹	316,455	322,589	334,867	347,759	359,033
Number of site visits to provide recycling assistance to businesses ²	10,362	9,812	12,000	12,000	12,000

¹ This reporting is performed on a calendar year basis. CY16 data is estimated.

² Staffing vacancies impacted FY16 performance.

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	1,930,017	11.00
Increase Cost: Commercial Recycling	117,853	0.00
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	46,026	0.00
FY18 Recommended	2,093,896	11.00

Enforcement

Enforcement provided by the Department of Housing and Community Affairs under this program consists of six related components. Staff respond to resident complaints dealing with: storage and removal of solid waste; illegal solid waste dumping activities in the County; storage of unregistered vehicles on private property throughout the County; storage of inoperable vehicles on private property; improper screening of dumpsters, particularly those in shopping areas; and control and regulation of weeds throughout the County. The program includes a "Clean or Lien" component, which provides for the removal of dangerous or unsightly trash, perimeter grass, and weeds on properties which the owners have failed to maintain as required. Also under this program, the Department of Environmental Protection provides surface and subsurface environmental compliance monitoring at all County solid waste facilities, and reviews reports of air monitoring of the Resource Recovery Facility (RRF).

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	1,229,322	9.93
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	61,706	0.00
FY18 Recommended	1,291,028	9.93

Dickerson Compost Facility

This program includes all processing, transporting, composting, and marketing of yard trim received by the County, including leaves received from the County's Leaf Vacuuming Program. Processing includes grinding brush to produce mulch at the Transfer Station. Transportation is included for hauling leaves and grass from the Transfer Station, located in Derwood, MD to the Composting Facility, located in Dickerson, MD. Composting of all leaves and grass produces a high-quality soil amendment, sold wholesale as LeafGro in bulk and bagged forms. The budget is net of wholesale receipts.

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	5,472,079	1.15
Increase Cost: Capital Equipment Replacement Schedule - Compost Facility	2,304,114	0.00
Increase Cost: Compost Facility - contractually mandated increases	217,395	0.00
Decrease Cost: Interdepartmental charges to Environmental Protection - Dickerson Compost Facility	(16,056)	(0.06)
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	(1,420,203)	0.06
FY18 Recommended	6,557,329	1.15

Dickerson Master Plan Implementation

This program provides for the implementation of the Dickerson Solid Waste Facilities Master Plan. This plan identifies the environmental, community, and operational effects of solid waste facilities in the Dickerson area (the RRF, the Site 2 Landfill, and the Compost Facility) and outlines policies and actions to mitigate those effects.

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	99,368	0.57
Increase Cost: Dickerson Master Plan - environmental monitoring requirements of master plan	183,796	0.00
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting	(14,695)	(0.06)

FY18 Recommended Changes	Expenditures	FTEs
multiple programs.		
FY18 Recommended	268,469	0.51

Gude Landfill

The purpose of this program is to monitor air and water quality around the landfill, maintain stormwater management and erosion control structures, maintain site roads, and manage the landfill gas through collection, flaring, and gas-to-energy systems. In addition, it encompasses all operational functions necessary to maintain the Gude Landfill, which closed in 1982, in an environmentally sound and cost-effective manner. In addition, planning for remediation mandated by the Maryland Department of the Environment to minimize potentially adverse environmental impacts and the design of post-closure uses for the site that serve the community are part of this program.

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	1,367,930	1.31
Decrease Cost: Interdepartmental charges to Environmental Protection - Gude Landfill	(101,244)	(0.31)
Decrease Cost: Gude Landfill - reduction in planning costs related to Gude Landfill	(578,015)	0.00
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	6,698	0.00
FY18 Recommended	695,369	1.00

Household & Small Quantity Hazardous Waste Management

This program funds a contractor to receive, sort, pack, ship, and properly dispose of household hazardous waste such as flammable products, insecticides, mercury, and reactive and corrosive chemicals. These products are brought in by residents and processed at State and Federally-approved hazardous waste treatment, storage, and disposal facilities. This program also includes outreach to educate residents regarding the potential dangers of certain household products and to reduce generation of hazardous waste; it also provides assistance to businesses that qualify as small-quantity generators of hazardous waste by providing them with an economical and environmentally safe disposal option. The materials are handled through the County's hazardous waste contractor and permitted hazardous waste management facilities.

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	1,029,241	0.00
Increase Cost: Household Hazardous Waste - contractually mandated increases	89,543	0.00
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	(50,000)	0.00
FY18 Recommended	1,068,784	0.00

Multi-Family Recycling

This program provides for mandatory recycling and waste reduction for multi-family properties. Program efforts include technical support, assistance, education, outreach and training about recycling, reuse, buying recycled products, and waste reduction, in addition to the review and monitoring of waste reduction and recycling plans and annual reports. This program also provides for enforcement of the County's recycling regulations and other requirements of the County Code, as they apply to multi-family waste generators.

Program Performance Measures	Actual FY15	Actual FY16	Estimated FY17	Target FY18	Target FY19
Multi-family recycling (tonnages) ¹	27,810	28,631	29,167	29,897	30,607

¹ This reporting is performed on a calendar year basis. CY16 data is estimated.

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	865,175	4.00
Increase Cost: Multi-Family Recycling - contractually mandated increases	72,652	0.00
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	19,171	0.00
FY18 Recommended	956,998	4.00

Oaks Landfill

This program maintains the closed Oaks Landfill in an environmentally sound and cost-effective manner in accordance with applicable State and Federal regulations. Mandated duties under this program include maintaining monitoring wells for landfill gas and water quality around the landfill; managing landfill gas through collection, flaring, and gas-to-energy systems; maintaining leachate storage and pre-treatment facilities; and performing other required site maintenance. This program also provides for the acceptance and treatment of waste generated by the cleanout of storm water oil/grit separators.

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	1,747,566	1.52
Increase Cost: Oaks Landfill - contractually mandated increases	105,229	0.00
Increase Cost: Capital Equipment Replacement Schedule - Oaks Landfill	30,000	0.00
Decrease Cost: Interdepartmental charges to Environmental Protection - Oaks Landfill	(92,987)	(0.29)
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	(49,720)	0.00
FY18 Recommended	1,740,088	1.23

Out Of County Refuse Disposal

This program provides for the rail shipment of ash residue that is designated for recycling or disposal from the Resource Recovery Facility (RRF) to Fulton Rail Yard near Richmond, Virginia, where it is unloaded and transported by truck to the Old Dominion Landfill, a contracted landfill where the ash is processed for further metals removal and recycling. Ash may be beneficially reused as alternate daily cover and road base within the lined areas of Old Dominion Landfill and other modern landfill facilities. This program also provides for the shipment of nonprocessible waste, such as construction material and, if necessary, bypass waste, from the Transfer Station to either recycling facilities, rubble landfills, or other contracted landfills.

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	11,718,610	1.00
Increase Cost: Out-of-County Haul - increased tonnage of hauled material	563,548	0.00
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	14,594	0.00
FY18 Recommended	12,296,752	1.00

Recycling Outreach And Education

This program provides for broadly educating everyone living and working in the County about recycling, reuse, buying recycled products, composting, grasscycling, and waste reduction, and the need to comply with applicable County laws. Public education is an important effort which supports solid waste program goals and ensures the success of recycling initiatives and progress to achieve the County's recycling goal.

Program Performance Measures	Actual FY15	Actual FY16	Estimated FY17	Target FY18	Target FY19
Percent of total municipal solid waste recycled ¹	61	61	62	63	64
Total recycling (tonnage)	625,408	635,749	654,848	672,816	689,755
Single-family recycling (tonnages)	281,143	284,529	290,815	295,160	300,114

¹ This reporting is performed on a calendar year basis and CY16 data is estimated.

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	551,118	2.00
Increase Cost: Recycling Outreach and Education Program - cost increases related to commercial outreach program and the educational program at the recycling center	103,145	0.00
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	8,951	0.00
FY18 Recommended	663,214	2.00

Satellite Sites

This program provides for the operation of a satellite drop-off site at the Poolesville Highway Services Depot. Residents can bring bulky materials to this site. The site, which operates only on weekends, provides drop-off for trash items as a convenience to County residents and reduces the incidence of roadside dumping. The material that is collected is then transported to the Transfer Station in Derwood.

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	233,999	1.70
Increase Cost: Satellite Sites	892	0.00
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	3,960	0.00
FY18 Recommended	238,851	1.70

Transfer Station

The purpose of this program is to provide a receiving, processing, and shipping facility for municipal solid waste generated within the County. In addition to regular trash, waste that is handled or recycled includes scrap metal, oil and anti-freeze, textiles, car batteries, and construction material. County staff operates the scale-house and oversees general operations, while contractors provide for the receipt and transfer of waste and operate the public unloading facility and recycling drop-off areas. This program includes enforcement of the County's ban on delivery of recyclables mixed with trash delivered for disposal and the inspection and licensing of waste collection vehicles; and it provides for the regulation and enforcement of certain provisions of Chapter 48 of the County Code, including licensing requirements for refuse and recycling commercial collectors, and haulers of solid waste and recyclables.

Program Performance Measures	Actual FY15	Actual FY16	Estimated FY17	Target FY18	Target FY19
Number of customers dropping off household hazardous waste at the Transfer Station	78,500	92,052	79,000	79,100	79,400

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	4,942,952	16.00
Increase Cost: Transfer Station - contractually mandated increases	500,636	0.00
Increase Cost: Capital Equipment Replacement Schedule - Transfer Station	410,000	0.00
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	(530,410)	(2.00)
FY18 Recommended	5,323,178	14.00

Yard Trim Reduction

The purpose of this program is to provide education and training to residents, multi-family properties, and businesses to reduce the amount of yard trim materials (grass, leaves, and brush) generated and also to manage what is generated on-site through both grasscycling and composting, thus reducing the amount of yard trim materials that must be collected, transported, and managed at the County's Compost Facility in Dickerson or at private compost facilities.

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	81,799	0.00
Increase Cost: Yard Trim Reduction - CPI increases on associated contracts	1,881	0.00
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	1	0.00
FY18 Recommended	83,681	0.00

Recycling Center

This program provides for the separation, processing, and marketing of recyclable materials (glass, metal, and plastic). The Recycling Center also serves as a transfer point for shipping residential mixed paper for processing. The Recycling Center receives recyclable material collected under the County curbside collection program, as well as some materials from municipalities and multi-family properties and non-residential properties which have established recycling programs. The materials are then sorted and shipped to markets for recycling. This program also provides for the management of the County's residential and some non-residential mixed paper. A new fiber sorting line is being added in FY16, to improve separation and marketing of commodities. Mixed paper includes newspaper, corrugated containers, kraft paper bags, magazines, telephone directories, and unwanted mail.

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	6,218,040	2.50
Increase Cost: Recycling Center - contractually mandated increases	1,050,894	0.00
Increase Cost: Capital Equipment Replacement Schedule - Recycling Center	713,000	0.00
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	(992,708)	2.00
FY18 Recommended	6,989,226	4.50

Residential Collection

This program provides for securing, administering, monitoring, and enforcing countywide contracts with private collectors for collection of residential refuse and recyclables, and responding to the service needs of residents. Staff processes service requests from MC311 to ensure timely fulfillment by collection contractors. This program also provides for enforcement of the County's recycling regulations as they apply to single-family waste generators, and enforcement of relevant parts of Chapter 48 of the County Code.

Program Performance Measures	Actual FY15	Actual FY16	Estimated FY17	Target FY18	Target FY19
Single-family solid waste charge: Refuse collection fee, charged for once per week curbside collection including on-call bulk pickups (Dollars per household)	66	70	70	70	77
Average number of recycling collections missed per week, not picked up within 24 hours	6.8	5.8	12.1	10.0	5.0
Average number of refuse collections missed per week, not picked up within 24 hours	4.5	10.3	18.3	15.0	9.0

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	27,315,469	28.60
Increase Cost: Residential Refuse Collection - CPI increase for associated contracts and increase in homes served	103,884	0.00
Increase Cost: Residential Recycling Collection - CPI increases on contracts and an increase of homes served	50,408	0.00
Increase Cost: Charges from the Public Information Office - Disposal Fund	11,346	0.20
Increase Cost: Charges from the Public Information Office - Collection Fund	5,585	0.10
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	134,449	0.00
FY18 Recommended	27,621,141	28.90

Resource Recovery Facility & Related Waste Transfer

This program provides for the operation of the Montgomery County Resource Recovery Facility (RRF). The RRF serves as the primary disposal facility for non-recycled waste generated in the County. Renewable energy in the form of electricity is generated by the combustion of municipal solid waste and is sold into the competitive energy market. Ferrous metals are recovered and recycled. Extensive environmental and operational monitoring is conducted, to meet contractual obligations and all applicable regulatory standards. This program also includes costs for related operations at the Transfer Station and for transportation of waste from the Transfer Station to the RRF. Beginning in FY 18, this program will also include the recycling of ash residue remaining after solid waste is processed through the RRF (which costs were previously housed in the Out-of-County program).

Program Performance Measures	Actual FY15	Actual FY16	Estimated FY17	Target FY18	Target FY19
Percent of total municipal solid waste sent to landfill ¹	13.2	12.8	12.7	12.6	12.4

¹ FY16 data is a projection.

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	22,962,210	1.25
Increase Cost: Resource Recovery Facility (RRF) - contractually mandated increases	940,354	0.00
Decrease Cost: Interdepartmental charges to Environmental Protection - RRF activities	(7,324)	(0.05)

FY18 Recommended Changes	Expenditures	FTEs
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	3,333	0.00
FY18 Recommended	23,898,573	1.20

Site 2

This program provides for the management of properties acquired for a potential future landfill. All properties are leased and/or used by private residents. Management activities include the inspection, evaluation, and maintenance of leased agricultural land, single-family dwellings, and agricultural buildings. Activities are coordinated with the Department of General Services as needed.

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	111,938	0.40
Increase Cost: Site 2 Landfill - pond upkeep and other maintenance	51,968	0.00
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	825	0.00
FY18 Recommended	164,731	0.40

Support for Recycling Volunteers

The mission of this program is to recruit and retain volunteers to augment available staff resources to educate the general public and thereby improve participation in waste reduction, reuse, recycling, and buying recycled programs. This resident-to-resident and peer-to-peer contact is very effective in motivating people living and working in the County to actively participate more in recycling.

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	138,812	0.00
Increase Cost: Support for Recycling Volunteers - CPI increases on associated contracts	2,572	0.00
FY18 Recommended	141,384	0.00

Waste System Planning

This program supports the planning and development of solid waste programs in accordance with the mandates of the County's Ten Year Comprehensive Solid Waste Management Plan. This may include evaluating existing source reduction, recycling, composting, collection, and disposal programs and policies with the intent of achieving solid waste program goals.

FY18 Recommended Changes	Expenditures	FTEs
FY17 Approved	574,654	2.60
Enhance: Contract support to develop food waste collection program and strategic plan	100,000	0.00
Decrease Cost: Waste System Planning - decrease in associated consulting contract	(112,038)	0.00
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	11,279	0.00
FY18 Recommended	573,895	2.60

BUDGET SUMMARY

	Actual FY16	Budget FY17	Estimate FY17	Recommended FY18	%Chg Bud/Rec
SOLID WASTE DISPOSAL					
EXPENDITURES					
Salaries and Wages	7,306,868	7,632,771	7,575,506	7,795,900	2.1 %
Employee Benefits	2,524,900	2,701,788	2,671,482	2,721,876	0.7 %
Solid Waste Disposal Personnel Costs	9,831,768	10,334,559	10,246,988	10,517,776	1.8 %
Operating Expenses	86,851,320	72,086,778	72,086,778	75,689,450	5.0 %
Capital Outlay	3,720,177	3,085,826	3,085,826	3,493,502	13.2 %
Solid Waste Disposal Expenditures	100,403,265	85,507,163	85,419,592	89,700,728	4.9 %
PERSONNEL					
Full-Time	75	75	75	75	—
Part-Time	1	2	2	2	—
FTEs	91.92	94.19	94.19	93.68	-0.5 %
REVENUES					
Investment Income	90,147	180,500	177,410	304,130	68.5 %
Miscellaneous Revenues	450,481	9,119,411	10,559,494	12,641,030	38.6 %
Other Charges/Fees	202,107	238,628	241,800	241,800	1.3 %
Other Fines/Forfeitures	57,788	56,934	48,345	48,345	-15.1 %
Other Licenses/Permits	14,390	13,145	13,145	13,145	—
Property Rentals	21,716	39,719	35,726	35,526	-10.6 %
Sale of Recycled Materials	2,225,932	5,232,584	5,072,979	6,994,213	33.7 %
Solid Waste Disposal Fees/Operating Revenues	24,645,895	28,658,109	25,212,076	25,642,838	-10.5 %
Systems Benefit Charge	66,334,899	56,176,598	56,195,807	55,181,673	-1.8 %
Solid Waste Disposal Revenues	94,043,355	99,715,628	97,556,782	101,102,700	1.4 %
SOLID WASTE COLLECTION					
EXPENDITURES					
Salaries and Wages	1,010,549	1,093,823	1,074,461	1,133,632	3.6 %
Employee Benefits	312,465	365,227	358,415	374,442	2.5 %
Solid Waste Collection Personnel Costs	1,323,014	1,459,050	1,432,876	1,508,074	3.4 %
Operating Expenses	4,698,446	5,244,377	5,119,377	5,334,573	1.7 %
Solid Waste Collection Expenditures	6,021,460	6,703,427	6,552,253	6,842,647	2.1 %
PERSONNEL					
Full-Time	4	4	4	4	—
Part-Time	0	0	0	0	—
FTEs	11.09	11.36	11.36	11.46	0.9 %
REVENUES					
Investment Income	9,673	14,930	19,040	32,640	118.6 %
Other Charges/Fees	11,742	0	0	0	—
Systems Benefit Charge	6,394,499	6,427,259	6,420,845	6,440,210	0.2 %

BUDGET SUMMARY

	Actual FY16	Budget FY17	Estimate FY17	Recommended FY18	%Chg Bud/Rec
Solid Waste Collection Revenues	6,415,914	6,442,189	6,439,885	6,472,850	0.5 %

DEPARTMENT TOTALS

Total Expenditures	106,424,725	92,210,590	91,971,845	96,543,375	4.7 %
Total Full-Time Positions	79	79	79	79	—
Total Part-Time Positions	1	2	2	2	—
Total FTEs	103.01	105.55	105.55	105.14	-0.4 %
Total Revenues	100,459,269	106,157,817	103,996,667	107,575,550	1.3 %

FY18 RECOMMENDED CHANGES

	Expenditures	FTEs
--	--------------	------

SOLID WASTE DISPOSAL

FY17 ORIGINAL APPROPRIATION	85,507,163	94.19
------------------------------------	-------------------	--------------

Changes (with service impacts)

Enhance: Contract support to develop food waste collection program and strategic plan [Waste System Planning]	100,000	0.00
---	---------	------

Other Adjustments (with no service impacts)

Increase Cost: Capital Equipment Replacement Schedule - Compost Facility [Dickerson Compost Facility]	2,304,114	0.00
Increase Cost: Recycling Center - contractually mandated increases [Recycling Center]	1,050,894	0.00
Increase Cost: Resource Recovery Facility (RRF) - contractually mandated increases [Resource Recovery Facility & Related Waste Transfer]	940,354	0.00
Increase Cost: Capital Equipment Replacement Schedule - Recycling Center [Recycling Center]	713,000	0.00
Increase Cost: Out-of-County Haul - increased tonnage of hauled material [Out Of County Refuse Disposal]	563,548	0.00
Increase Cost: Transfer Station - contractually mandated increases [Transfer Station]	500,636	0.00
Increase Cost: Capital Equipment Replacement Schedule - Transfer Station [Transfer Station]	410,000	0.00
Increase Cost: Compost Facility - contractually mandated increases [Dickerson Compost Facility]	217,395	0.00
Increase Cost: FY18 Compensation Adjustment	210,069	0.00
Increase Cost: Dickerson Master Plan - environmental monitoring requirements of master plan [Dickerson Master Plan Implementation]	183,796	0.00
Increase Cost: Risk Management Adjustment	139,222	0.00
Increase Cost: Commercial Recycling [Commercial Recycling]	117,853	0.00
Increase Cost: Oaks Landfill - contractually mandated increases [Oaks Landfill]	105,229	0.00
Increase Cost: Recycling Outreach and Education Program - cost increases related to commercial outreach program and the educational program at the recycling center [Recycling Outreach And Education]	103,145	0.00
Increase Cost: Household Hazardous Waste - contractually mandated increases [Household & Small Quantity Hazardous Waste Management]	89,543	0.00
Increase Cost: Multi-Family Recycling - contractually mandated increases [Multi-Family Recycling]	72,652	0.00
Increase Cost: SWD Administration [Administration and Support]	59,127	0.00
Increase Cost: Site 2 Landfill - pond upkeep and other maintenance [Site 2]	51,968	0.00

FY18 RECOMMENDED CHANGES

	Expenditures	FTEs
Increase Cost: Residential Recycling Collection - CPI increases on contracts and an increase of homes served [Residential Collection]	50,408	0.00
Increase Cost: Motor Pool Adjustment	46,084	0.00
Increase Cost: Capital Equipment Replacement Schedule - Information Technology and Automation [Administration and Support]	36,388	0.00
Increase Cost: Annualization of FY17 Compensation Increases	34,746	0.00
Increase Cost: Capital Equipment Replacement Schedule - Oaks Landfill [Oaks Landfill]	30,000	0.00
Increase Cost: Retirement Adjustment	26,873	0.00
Increase Cost: Charges from the Public Information Office - Disposal Fund [Residential Collection]	11,346	0.20
Increase Cost: Information Technology and Automation - server maintenance contractual increase [Administration and Support]	9,694	0.00
Increase Cost: Charges from the Department of Finance - Disposal Fund [Administration and Support]	5,566	0.00
Increase Cost: Support for Recycling Volunteers - CPI increases on associated contracts [Support for Recycling Volunteers]	2,572	0.00
Increase Cost: Annualization of FY17 Personnel Costs	2,353	0.00
Increase Cost: Yard Trim Reduction - CPI increases on associated contracts [Yard Trim Reduction]	1,881	0.00
Increase Cost: Satellite Sites [Satellite Sites]	892	0.00
Increase Cost: Other Information Technology related cost increases	840	0.00
Decrease Cost: Printing and Mail	(193)	0.00
Decrease Cost: Retiree Health Insurance Pre-Funding	(4,940)	0.00
Decrease Cost: Interdepartmental charges to Environmental Protection - RRF activities [Resource Recovery Facility & Related Waste Transfer]	(7,324)	(0.05)
Decrease Cost: Interdepartmental charges to Environmental Protection - Dickerson Compost Facility [Dickerson Compost Facility]	(16,056)	(0.06)
Decrease Cost: Interdepartmental charges to Environmental Protection - Oaks Landfill [Oaks Landfill]	(92,987)	(0.29)
Decrease Cost: Interdepartmental charges to Environmental Protection - Gude Landfill [Gude Landfill]	(101,244)	(0.31)
Decrease Cost: Waste System Planning - decrease in associated consulting contract [Waste System Planning]	(112,038)	0.00
Decrease Cost: Gude Landfill - reduction in planning costs related to Gude Landfill [Gude Landfill]	(578,015)	0.00
Decrease Cost: Elimination of FY 17 Capital Equipment Replacement Schedule	(3,085,826)	0.00
FY18 RECOMMENDED	89,700,728	93.68

SOLID WASTE COLLECTION

FY17 ORIGINAL APPROPRIATION	6,703,427	11.36
<u>Other Adjustments (with no service impacts)</u>		
Increase Cost: Residential Refuse Collection - CPI increase for associated contracts and increase in homes served [Residential Collection]	103,884	0.00
Increase Cost: FY18 Compensation Adjustment	26,612	0.00
Increase Cost: Charges from the Public Information Office - Collection Fund [Residential Collection]	5,585	0.10
Increase Cost: Annualization of FY17 Compensation Increases	3,745	0.00
Increase Cost: Charges from the Department of Finance - Collection Fund [Administration and Support]	2,098	0.00
Increase Cost: Retirement Adjustment	1,837	0.00

FY18 RECOMMENDED CHANGES

	Expenditures	FTEs
Increase Cost: Program Information Technology and Automation [Administration and Support]	1,203	0.00
Increase Cost: Administration [Administration and Support]	471	0.00
Decrease Cost: Retiree Health Insurance Pre-Funding	(530)	0.00
Decrease Cost: Annualization of FY17 Personnel Costs	(2,062)	0.00
Decrease Cost: Printing and Mail	(3,623)	0.00
FY18 RECOMMENDED	6,842,647	11.46

PROGRAM SUMMARY

Program Name	FY17 APPR Expenditures	FY17 APPR FTEs	FY18 REC Expenditures	FY18 REC FTEs
Administration and Support	3,620,291	20.02	3,876,788	20.02
Commercial Recycling	1,930,017	11.00	2,093,896	11.00
Enforcement	1,229,322	9.93	1,291,028	9.93
Dickerson Compost Facility	5,472,079	1.15	6,557,329	1.15
Dickerson Master Plan Implementation	99,368	0.57	268,469	0.51
Gude Landfill	1,367,930	1.31	695,369	1.00
Household & Small Quantity Hazardous Waste Management	1,029,241	0.00	1,068,784	0.00
Multi-Family Recycling	865,175	4.00	956,998	4.00
Oaks Landfill	1,747,566	1.52	1,740,088	1.23
Out Of County Refuse Disposal	11,718,610	1.00	12,296,752	1.00
Recycling Outreach And Education	551,118	2.00	663,214	2.00
Satellite Sites	233,999	1.70	238,851	1.70
Transfer Station	4,942,952	16.00	5,323,178	14.00
Yard Trim Reduction	81,799	0.00	83,681	0.00
Recycling Center	6,218,040	2.50	6,989,226	4.50
Residential Collection	27,315,469	28.60	27,621,141	28.90
Resource Recovery Facility & Related Waste Transfer	22,962,210	1.25	23,898,573	1.20
Site 2	111,938	0.40	164,731	0.40
Support for Recycling Volunteers	138,812	0.00	141,384	0.00
Waste System Planning	574,654	2.60	573,895	2.60
Total	92,210,590	105.55	96,543,375	105.14

CHARGES TO OTHER DEPARTMENTS

Charged Department	Charged Fund	FY17 Total\$	FY17 FTES	FY18 Total\$	FY18 FTES
SOLID WASTE DISPOSAL					
General Services	General Fund	258,500	0.00	251,749	0.00
Parking District Services	Bethesda Parking	69,600	0.00	69,558	0.00

CHARGES TO OTHER DEPARTMENTS

Charged Department	Charged Fund	FY17 Total\$	FY17 FTES	FY18 Total\$	FY18 FTES
Parking District Services	Silver Spring Parking	132,700	0.00	134,768	0.00
Parking District Services	Montgomery Hills Parking	2,200	0.00	0	0.00
Parking District Services	Wheaton Parking	13,100	0.00	13,042	0.00
Liquor Control	Liquor	19,700	0.00	19,649	0.00
Total		495,800	0.00	488,766	0.00

FUTURE FISCAL IMPACTS

CE RECOMMENDED (\$000S)

Title	FY18	FY19	FY20	FY21	FY22	FY23
-------	------	------	------	------	------	------

SOLID WASTE DISPOSAL

EXPENDITURES

FY18 Recommended	89,701	89,701	89,701	89,701	89,701	89,701
-------------------------	---------------	---------------	---------------	---------------	---------------	---------------

No inflation or compensation change is included in outyear projections.

Retiree Health Insurance Pre-funding	0	2	6	7	9	9
---	----------	----------	----------	----------	----------	----------

These figures represent the estimated cost of pre-funding retiree health insurance costs for the County's workforce.

Labor Contracts	0	74	74	74	74	74
------------------------	----------	-----------	-----------	-----------	-----------	-----------

These figures represent the estimated annualized cost of general wage adjustments, service increments, and other negotiated items.

Subtotal Expenditures	89,701	89,777	89,781	89,782	89,784	89,784
------------------------------	---------------	---------------	---------------	---------------	---------------	---------------

SOLID WASTE COLLECTION

EXPENDITURES

FY18 Recommended	6,843	6,843	6,843	6,843	6,843	6,843
-------------------------	--------------	--------------	--------------	--------------	--------------	--------------

No inflation or compensation change is included in outyear projections.

Retiree Health Insurance Pre-Funding	0	0	0	0	0	0
---	----------	----------	----------	----------	----------	----------

Labor Contracts	0	9	9	9	9	9
------------------------	----------	----------	----------	----------	----------	----------

These figures represent the estimated annualized cost of general wage adjustments, service increments, and other negotiated items.

Subtotal Expenditures	6,843	6,852	6,852	6,852	6,852	6,852
------------------------------	--------------	--------------	--------------	--------------	--------------	--------------

SOLID WASTE ENTERPRISE FUND

RATES AND FISCAL PROJECTIONS FOR FY18-23

Assumptions:

- In FY18, the County Executive recommends no change in the solid waste system service charges across all sectors:

Single-Family: \$205.11
Multi-Family: \$16.06
Non-Residential: \$596.13
(medium category)

Additionally, in FY18 and FY19, customers in these solid waste service sectors will see no changes to their total solid waste charges.

- In FY18, refuse collection services are maintained at their current level, with the annual household collection charge remaining at \$70.00.
- In FY18, the disposal fee for municipal solid waste received at the Transfer Station (known as the “Tipping Fee”) will increase \$4 (7.1%) from \$56.00 per ton to \$60 per ton. The disposal fee for waste delivered in open-top roll-off boxes will also increase \$4 (6.0%) from \$66.00 per ton to \$70 per ton.
- Expenditures for certain programs, such as the Resource Recovery Facility, Transfer Station, and Out-of-County Haul, are Base Systems Costs and are calculated based on waste generation estimates for each sector. Expenditures for programs such as the Recycling Center, Recycling Collection, and Dickerson Compost Facility are Incremental Costs and calculated based on the cost of the incremental services received by each sector. Other expenditures are increased by inflation, except where contract or scheduled costs apply.

FY18-23 PUBLIC SERVICES PROGRAM: FISCAL PLAN							
Solid Waste Collection							
FISCAL PROJECTIONS	FY17 ESTIMATE	FY18 REC	FY19 PROJECTION	FY20 PROJECTION	FY21 PROJECTION	FY22 PROJECTION	FY23 PROJECTION
ASSUMPTIONS							
Indirect Cost Rate	16.45%	17.39%	17.39%	17.39%	17.39%	17.39%	17.39%
CPI (Fiscal Year)	1.7%	2.3%	2.3%	2.4%	2.5%	2.5%	2.5%
Investment Income Yield	0.7%	1.2%	1.7%	2.2%	2.7%	3.0%	3.0%
Number of Households	91,620	92,003	92,386	92,770	93,045	93,320	93,595
Charge per Household (once-weekly refuse collection)	\$70.00	\$70.00	\$77.00	\$87.00	\$90.00	\$90.00	\$93.00
BEGINNING FUND BALANCE	1,768,599	1,411,044	773,993	772,637	1,005,420	1,337,239	1,419,325
REVENUES							
Charges For Services	6,420,845	6,440,210	7,113,722	8,070,990	8,366,386	8,398,800	8,704,335
Miscellaneous	19,040	32,640	46,240	59,840	73,440	81,600	81,600
Subtotal Revenues	6,439,885	6,472,850	7,159,962	8,130,830	8,439,826	8,480,400	8,785,935
INTERFUND TRANSFERS (Net Non-CIP)	(245,187)	(267,254)	(262,254)	(262,254)	(262,254)	(262,254)	(262,254)
Transfers To The General Fund	(245,187)	(267,254)	(262,254)	(262,254)	(262,254)	(262,254)	(262,254)
Indirect Costs	(240,187)	(262,254)	(262,254)	(262,254)	(262,254)	(262,254)	(262,254)
Other: DCM	(5,000)	(5,000)	0	0	0	0	0
TOTAL RESOURCES	7,963,297	7,616,640	7,671,701	8,641,213	9,182,992	9,555,385	9,943,006
PSP OPER. BUDGET APPROP/ EXP'S.							
Operating Budget	(6,552,253)	(6,842,647)	(6,890,347)	(7,626,866)	(7,836,756)	(8,126,963)	(8,454,222)
Labor Agreement	0	0	(8,637)	(8,637)	(8,637)	(8,637)	(8,637)
Retiree Health Insurance Pre-Funding	0	0	(80)	(290)	(360)	(460)	(460)
Subtotal PSP Oper Budget Approp / Exp's	(6,552,253)	(6,842,647)	(6,899,064)	(7,635,793)	(7,845,753)	(8,136,060)	(8,463,319)
OTHER CLAIMS ON FUND BALANCE	0	0	0	0	0	0	0
TOTAL USE OF RESOURCES	(6,552,253)	(6,842,647)	(6,899,064)	(7,635,793)	(7,845,753)	(8,136,060)	(8,463,319)
YEAR END FUND BALANCE	1,411,044	773,993	772,637	1,005,420	1,337,239	1,419,325	1,479,687
END-OF-YEAR RESERVES AS A PERCENT OF RESOURCES	17.7%	10.2%	10.1%	11.6%	14.6%	14.9%	14.9%
Assumptions: 1. Refuse collection charges are adjusted to achieve cost recovery.							
Notes: 1. The refuse collection charge is adjusted annually to fund the approved service program and to maintain an ending net asset balance between 10% and 15% of resources at the end of the six-year planning period. Year end fund balances in FY19-23 are projections only and will change with the change in the underlying assumptions (i.e. growth in house counts, CPI, Investment Income Yield) in future fiscal years. 2. These projections are based on the County Executive's Recommended budget and include the revenue and resource assumptions of that budget. The projected future expenditures may vary based on changes not assumed here.							

FY18-23 DIVISION OF SOLID WASTE SERVICES

FISCAL PROJECTIONS	ACTUAL FY16	ESTIMATED FY17	PROJECTED FY18	PROJECTED FY19	PROJECTED FY20	PROJECTED FY21	PROJECTED FY22	PROJECTED FY23
Single-Family Charges (\$/Household)	205.11	205.11	205.11	198.11	202.69	207.87	213.30	218.60
% change in rate from previous year	-4.0%	0.0%	0.0%	-3.4%	2.3%	2.6%	2.6%	2.5%
Multi-Family Charges (\$/Dwelling Unit)	16.06	16.06	16.06	16.06	5.31	2.12	1.33	1.03
% change in rate from previous year	-4.0%	0.0%	0.0%	0.0%	-66.9%	-60.1%	-37.4%	-22.6%
Nonresidential Charges (medium "category" charge)	596.13	596.13	596.13	596.13	337.26	304.01	275.62	240.54
% change in rate from previous year	-4.0%	0.0%	0.0%	0.0%	-43.4%	-9.9%	-9.3%	-12.7%

OPERATIONS CALCULATION

REVENUES								
Disposal Fees	30,207,985	30,588,345	32,940,341	33,342,710	33,999,779	34,111,477	34,083,855	34,056,233
Charges for Services/SBC	56,012,609	56,195,807	55,181,673	53,939,808	46,090,945	46,295,103	46,868,502	46,936,030
Miscellaneous	7,732,614	10,595,020	12,676,556	12,855,768	13,095,550	13,198,261	13,303,213	13,410,502
Investment Income	90,147	177,410	304,130	430,850	557,570	684,290	760,320	760,320
Subtotal Revenues	94,043,355	97,556,582	101,102,700	100,569,136	93,743,844	94,289,131	95,015,890	95,163,085
INTERFUND TRANSFERS *	683,994	323,459	(141,901)	(8,082,988)	(35,869)	757,539	1,257,762	1,653,621
EXPENDITURES								
Personnel Costs	(9,401,384)	(10,246,988)	(10,517,776)	(10,970,040)	(11,452,722)	(11,968,095)	(12,506,659)	(13,069,459)
Operating Expenses	(88,018,689)	(72,086,778)	(75,689,450)	(77,339,695)	(81,904,428)	(85,316,658)	(89,375,202)	(93,502,452)
Capital Outlay	(2,983,192)	(3,085,826)	(3,493,502)	(8,270,519)	(7,229,196)	(1,845,450)	(2,187,409)	(86,471)
Subtotal Expenditures	(100,403,265)	(85,419,592)	(89,700,728)	(96,580,254)	(100,586,346)	(99,130,202)	(104,069,270)	(106,658,382)
CURRENT RECEIPTS TO CIP	-	-	(1,000,000)	(10,500,000)	(10,500,000)	(6,700,000)	-	-
OTHER CLAIMS ON FUND BALANCE	(718,000)							
PAYOUT OF GUDE REMEDIATION	-	-	1,000,000	10,500,000	10,500,000	6,700,000	-	-
CY GUDE REMEDIATION		(200,000)	-	-	-	-	-	-
PAYOUT OF CLOSURE COSTS (Non-CIP)	1,334,306	1,657,566	1,675,088	1,716,104	1,759,888	1,806,596	1,854,594	1,903,919
CY ACCRUED CLOSURE COSTS	(1,467,866)	(33,479)	(41,518)	(41,017)	(43,783)	(46,708)	(47,998)	(49,325)
NET CHANGE	(6,527,476)	13,884,536	12,893,641	(2,419,019)	(5,162,267)	(2,323,643)	(5,989,022)	(7,987,082)

CASH POSITION

ENDING CASH & INVESTMENTS								
Unrestricted Cash	35,442,049	46,863,138	58,265,145	42,955,027	24,933,007	15,434,837	12,632,664	5,363,483
Restricted Cash	27,338,200	30,219,284	31,102,317	34,092,090	36,868,965	37,227,482	34,410,986	33,851,382
Subtotal Cash & Investments	62,780,249	77,082,422	89,367,462	77,047,117	61,801,972	52,662,319	47,043,650	39,214,865
RESERVE & LIABILITY REQUIREMENTS								
Management Reserve	(21,378,874)	(22,425,182)	(24,145,064)	(25,146,586)	(24,782,551)	(26,017,318)	(26,664,595)	(26,664,595)
Future System Contingency Reserve	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)
Research & Development Reserve	(298,080)	(298,080)	(298,080)	(298,080)	(298,080)	(298,080)	(298,080)	(298,080)
Renewal & Replacement Reserve	(4,161,246)	(4,236,148)	(4,333,580)	(4,433,251)	(4,539,650)	(4,653,141)	(4,769,470)	(4,888,707)
Stability Reserve	(500,000)	(2,259,874)	(1,325,593)	(3,214,172)	(6,248,684)	(5,258,943)	(1,678,841)	(1,000,000)
Subtotal Reserve Requirements	(27,338,200)	(30,219,284)	(31,102,317)	(34,092,090)	(36,868,965)	(37,227,482)	(34,410,986)	(33,851,382)
Closure/Postclosure Liability	(15,539,478)	(13,915,391)	(12,281,822)	(10,606,734)	(8,890,630)	(7,130,742)	(5,324,146)	(3,530,480)
Gude Remediation Liability	(28,500,000)	(28,700,000)	(27,700,000)	(17,200,000)	(6,700,000)	-	-	-
Subtotal Reserve & Liability Requirements	(71,377,678)	(72,834,675)	(71,084,139)	(61,898,824)	(52,459,595)	(44,358,224)	(39,735,132)	(37,381,863)
CASH & INVESTMENTS OVER/(UNDER) RESERVE & LIABILITY REQUIREMENTS	(8,597,429)	4,247,747	18,283,323	15,148,293	9,342,378	8,304,095	7,308,518	1,833,002

Net Assets

ENDING NET ASSETS	51,379,280	67,482,805	83,159,177	88,230,234	89,445,603	87,985,419	83,712,090	75,315,766
Less: Reserve Requirements	(27,338,200)	(30,219,284)	(31,102,317)	(34,092,090)	(36,868,965)	(37,227,482)	(34,410,986)	(33,851,382)
NET ASSETS OVER/(UNDER) RESERVE REQUIREMENTS	24,041,080	37,263,521	52,056,860	54,138,144	52,576,638	50,757,937	49,301,104	41,464,384

* Interfund Transfers include \$8.3 million in FY19 and \$0.535 million in FY20 for the Wheaton Redevelopment capital project.

FY18 Solid Waste Service Charges

1. **Purpose** - To fund solid waste management services provided to residents and businesses in Montgomery County through service charges to all entities that benefit from such services.
2. **Classification of Service Charges** - There are five basic categories of service charges:

Base Systems Benefit Charge - Paid by all entities to cover costs of system administration, historical debt service, waste reduction, and "stand-by" disposal capacity.

Incremental Systems Benefit Charge - Paid by entities based on sector-specific services they receive (single-family homeowners pay for curbside recycling collection and processing, businesses pay for the commercial recycling program, etc.)

Disposal Charges - Paid as a service charge via the tax bill or at the Transfer Station by all entities who deliver solid waste to Montgomery County for disposal. At the Solid Waste Transfer Station, this charge is referred to as the "Tipping Fee" for accepting municipal solid waste for disposal.

Leaf Vacuuming Charge - Covers the cost of leaf vacuuming service provided in the Leaf Vacuuming District.

Refuse Collection Charge - Paid by homeowners who receive once weekly refuse collection service by County contractors.

3. **Implementation of Service Charges** - Service charges are collected from the various sectors in the following manner:

	Base Systems Benefit Charge	Incremental Systems Benefit Charge	Disposal Charge	Leaf Vacuuming Charge	Refuse Collection Charge
Unincorporated Single-Family	Via tax bill	Via tax bill	Via tax bill	Via tax bill to those serviced	Via tax bill to those serviced
Incorporated Single-Family	Via tax bill	Not applicable	Charged at Transfer Station	Not applicable	Not applicable
Unincorporated Multi-family	Via tax bill	Via tax bill	Charged at Transfer Station	Via tax bill to those serviced	Not applicable
Incorporated Multi-family	Via tax bill	Via tax bill	Charged at Transfer Station	Not applicable	Not applicable
Unincorporated Non-Residential	Via tax bill	Via tax bill	Charged at Transfer Station	Not applicable	Not applicable
Incorporated	Via tax bill	Via tax bill	Charged at	Not	Not

FY18 RECOMMENDED SOLID WASTE SERVICE CHARGES TO BE COLLECTED VIA REAL PROPERTY ACCOUNT BILLING															
	Base Charge (\$/ton)	x	Billing Rate (tons/HH)	=	Disposal Charge	+	Base Systems Benefit Charge	+	Incremental Systems Benefit Charge	+	Refuse Collection Charge	+	Leaf Vacuuming Charge	=	Total Bill
Code Reference	48-32(a)(1)				48-32(c)(2)		48-8A(b)(2)(A)		48-8A(b)(2)(B)		48-29		48-47		
SUBDISTRICT A (Refuse Collection District)*															
Inside Leaf Vacuuming District	\$ 60.00		0.84034		\$ 50.42		\$ 30.16		\$ 124.53		\$ 70.00		\$ 97.99		\$ 373.10
Outside Leaf Vacuuming District	\$ 60.00		0.84034		\$ 50.42		\$ 30.16		\$ 124.53		\$ 70.00				\$ 275.11
Incorporated							\$ 30.16								\$ 30.16
SUBDISTRICT B SINGLE-FAMILY**															
Incorporated							\$ 30.16								\$ 30.16
Inside Leaf Vacuuming District															
Unincorporated	\$ 60.00		0.84034		\$ 50.42		\$ 30.16		\$ 124.53				\$ 97.99		\$ 303.10
Outside Leaf Vacuuming District															
Unincorporated	\$ 60.00		0.84034		\$ 50.42		\$ 30.16		\$ 124.53						\$ 205.11
MULTI-FAMILY RESIDENTIAL**															
Incorporated							\$ 0.74		\$ 15.32						\$ 16.06
Unincorporated															
Outside Leaf Vacuuming District							\$ 0.74		\$ 15.32						\$ 16.06
Inside Leaf Vacuuming District							\$ 0.74		\$ 15.32				\$ 3.86		\$ 19.92
NONRESIDENTIAL - \$/2,000 SQ. FT. ***															
Code Reference															
Waste Generation Categories															
Low							\$ 81.23		\$ 38.00						\$ 119.23
Medium Low							\$ 243.69		\$ 113.98						\$ 357.67
Medium							\$ 406.14		\$ 189.99						\$ 596.13
Medium High							\$ -		\$ -						\$ -
High							\$ 731.06		\$ 341.96						\$ 1,073.02
OTHER RECOMMENDED FY18 SOLID WASTE FEES															
Base Solid Waste Charge under Section 48-32(a)(1): (This is known as the "Tipping Fee") \$60.00 /disposal ton															
Waste delivered for disposal <500 lb loads in privately owned and operated vehicles or trailers <1,000 capacity per Section 48-32(c)(2): \$0.00/disposal ton							Solid Waste Service Charges (Section 48-32(a)(2)): Paper and Commingled Containers \$0.00 /ton Solid Waste Service Charges (Section 48-32(b)(2)): All Yard Trim received at the Transfer Station (weighing > 500 pounds/load) \$46.00 /ton								
Waste delivered in open-top roll-off box \$70.00 /disposal ton							Miscellaneous (48-31(f)): Compost Bins \$0.00 each								

* Note: Base Systems Benefit Charges are set to cover County Base Systems Costs net of Disposal Charges.

** With respect to Base and Incremental Systems Benefit Charges, this category includes dwellings in buildings of six or fewer households.

*** The Nonresidential rate multiplied by the total number of 2,000 square foot units of enclosed area equals the nonresidential charge.