



# Recycling and Resource Management

## RECOMMENDED FY23 BUDGET

\$142,634,597

## FULL TIME EQUIVALENTS

113.61

 ADRIANA HOCHBERG, ACTING DIRECTOR

## 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 FY23 Operating Budget for the Recycling and Resource Management is \$142,634,597, an increase of \$7,365,074 or 5.44 percent from the FY22 Approved Budget of \$135,269,523. Personnel Costs comprise 9.39 percent of the budget for 77 full-time position(s) and one part-time position(s), and a total of 113.61 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 90.61 percent of the FY23 budget.



In addition, this department's Capital Improvements Program (CIP) requires current revenue funding.

## COUNTY PRIORITY OUTCOMES

While this program area supports all seven of the County Executive's Priority Outcomes, the following are emphasized:

-  **A Greener County**
-  **Effective, Sustainable Government**

## INITIATIVES

-  Implement a Save-as-You-Throw pilot program to gauge the feasibility of the program in Montgomery County. If successful, it could greatly increase the material sent for recycling rather than refuse disposal.
-  Expand the commercial food scraps recycling program and recruit additional large-scale commercial generators of food scraps, and expand the single-family residential food scraps collection pilot started in FY22 to include an additional 1,700 homes in FY23 added to the initial 1,700 homes already participating in the curbside pilot.

- 
- ★ Improve the processing efficiency at the composting facility using software that maximizes compost process efficiency. A new Load Scan system increases the availability of Leafgro by creating accurate load measurement for bulk shipments of Leafgro. Leafgro is compost sold by the County from yard trim collected from single family homes throughout the County.

## INNOVATIONS AND PRODUCTIVITY IMPROVEMENTS

- ★ The Collection Section of Recycling and Resource Management (RRM) reconfigured collection routes in Service Areas 10, 11, 12, and 13 to re-balance routes that had become unbalanced due to new residential construction in these areas and necessitated longer work hours and increased driving to service them.
- ★ Due to the continuing effects of COVID-19, many education, training, and outreach events were conducted either virtually or online. This has resulted in some cost savings because in-person education and training events were not held at various meeting venues.
- ★ The contractors and the County staff overseeing operations at the Transfer Station continue to increase safety and compliance at the facility. Due diligence by County staff to inspect trash loads for recyclable materials has raised awareness and compliance with Chapter 48, forbidding recyclable material from being disposed of as trash, and helps increase recycling rates.

## PROGRAM CONTACTS

Contact Patrice Bubar of the Recycling and Resource Management at 240.777.7786 or Richard H. Harris of the Office of Management and Budget at 240.777.2795 for more information regarding this department's operating budget.

## PROGRAM 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 FY22 estimates reflect funding based on the FY22 Approved Budget. The FY23 and FY24 figures are performance targets based on the FY23 Recommended Budget and funding for comparable service levels in FY24.

## PROGRAM DESCRIPTIONS

### ★ Administration and Support

Administration and Support provides support to the Department of Environmental Protection Recycling and Resource Management Division's operations, programs, and mission, and overall financial management and policy direction. The work of the program includes the following focus areas:

- Maintain the solid waste enterprise funds in a financially prudent manner and maintain structural stability given the responsibilities and risks associated with the operations of an integrated solid waste management system.
- Develop and evaluate CIP and operating budgets in a strategic and economically responsible manner.
- Perform detailed financial analysis during the annual rate calculation process for a more equitable rate structure, structural stability, budget flexibility, and financial risk mitigation.
- Review and develop policies and procedures that strengthen internal controls.

- Collaborate with organization stakeholders using metrics that assess the strategic health of the business, the alignment of programs with the business strategy, and the balance of the program relative to business needs.
- Use quantitative and financial models and forecasting tools to analyze the fiscal impact of proposed changes to solid waste management activities.
- Assist with execution of procurement actions on a timely basis and at the best possible value.
- Facilitate funding for the maintenance of computer/automation equipment, and related technologies in a cost effective and efficient manner.

The Department of Housing and Community Affairs provides staff to 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.

"Clean or Lien" provides for the removal of dangerous or unsightly trash, perimeter grass, and weeds on properties which the owners have failed to maintain as required.

Department of Environmental Protection staff in Energy and Environment Compliance Division provide surface and subsurface environmental compliance monitoring at all County solid waste facilities, and review reports of air monitoring of the Resource Recovery Facility (RRF).

| FY23 Recommended Changes  | Expenditures     | FTEs         |
|---|------------------|--------------|
| <b>FY22 Approved</b>  | <b>6,761,152</b> | <b>39.16</b> |
| Increase Cost: Debt Service - Disposal Fund   | 1,629,474        | 0.00         |
| Increase Cost: Automation - Disposal  | 110,157          | 0.00         |
| Increase Cost: Reallocation of Positions Based on Actual Work Activities - Disposal Fund  | 33,837           | 0.35         |
| Increase Cost: Reallocation of Positions Based on Actual Work Activities - Collection Fund  | 30,986           | 0.30         |
| Increase Cost: Increased Staffing Cost  | 2,221            | 0.00         |
| Decrease Cost: Miscellaneous Charges - Disposal   | (159)            | 0.00         |
| Decrease Cost: Miscellaneous Charges - Collection   | (1,313)          | 0.00         |
| Decrease Cost: Administration - Disposal  | (52,390)         | 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. | 1,154,559        | 1.00         |
| <b>FY23 Recommended</b>   | <b>9,668,524</b> | <b>40.81</b> |

## Disposal

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 and sold into the competitive energy market. This program also includes costs for related operations at the Transfer Station and for the transportation of waste from the Transfer Station to the RRF. Also, it provides for the operation of the receiving, processing, and shipping facility for municipal solid waste generated within the County.

In addition, the program provides for the rail shipment of ash residue from the 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 is beneficially reused as alternate daily cover and road base within the lined areas of the Old Dominion Landfill. This program also provides for the shipment of non-processible waste, such as construction material and, if necessary, bypass waste, from the Transfer Station to either recycling facilities, rubble landfills, or other contracted landfills. It provides for the operation of a satellite drop-off site at the Poolesville Highway Services Depot and funds the proper disposal of household hazardous waste such as flammable products, insecticides, mercury, and reactive and corrosive chemicals. The materials are handled through the County's hazardous waste contractor and permitted hazardous waste management facilities.

The 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 managing landfill gas through collection, flaring, and gas-to-energy systems, and maintaining leachate storage and pre-treatment facilities. This program also provides for the acceptance and treatment of waste generated by the cleanout of stormwater oil/grit separators. Finally, the program maintains the closed Gude Landfill, including monitoring of air and water quality around the landfill. In addition, planning for remediation mandated by the Maryland Department of the Environment to minimize potentially adverse environmental impacts and the design of post-completion uses for the site that serve the community are part of this program.

| Program Performance Measures  | Actual<br>FY20 | Actual<br>FY21 | Estimated<br>FY22 | Target<br>FY23 | Target<br>FY24 |
|---|----------------|----------------|-------------------|----------------|----------------|
| Number of tons of Municipal Solid Waste accepted at the Transfer Station: Residential, single family, and townhouse communities | 221,564        | 208,462        | 215,881           | 218,039        | 220,220        |
| Number of tons of County-wide yard trim and leaves collected  | 207,080        | 175,821        | 187,845           | 189,723        | 191,621        |
| Number of tons of County-wide Commingled Recycling collected  | 28,190         | 40,136         | 34,100            | 34,441         | 34,786         |
| Number of tons of County-wide Mixed Paper collected   | 114,538        | 98,788         | 110,408           | 111,512        | 112,627        |
| Number of tons of County-wide Food Waste collected  | 7,543          | 3,269          | 4,200             | 8,400          | 14,200         |
| Number of tons of County-wide Household Hazardous Waste collected   | 2,146          | 3,083          | 3,015             | 3,045          | 3,075          |

| FY23 Recommended Changes  | Expenditures      | FTEs         |
|---|-------------------|--------------|
| <b>FY22 Approved</b>  | <b>65,626,411</b> | <b>21.15</b> |
| Increase Cost: Transfer Station Power Infrastructure  | 1,700,000         | 0.00         |
| Increase Cost: Oaks Landfill Capital Equipment and Monitoring   | 1,596,650         | 0.00         |
| Increase Cost: Out-of-County Haul During Recycling Center Upgrade   | 326,303           | 0.00         |
| Add: Beantown Dump Remediation  | 250,000           | 0.00         |
| Increase Cost: Household Hazardous Waste Operations and Capital Equipment   | 89,930            | 0.00         |
| Add: Mid-year Part-time to Full-time Upgrade for Code Enforcement Inspector Position  | 71,582            | 0.50         |
| Increase Cost: Site 2 Maintenance   | 50,057            | 0.00         |
| Increase Cost: Six Percent Inflationary Increase to Non-Profit Service Provider Contracts   | 9,895             | 0.00         |
| Decrease Cost: Various Smaller Changes  | (4,705)           | 0.00         |
| Decrease Cost: Staff turnover   | (45,722)          | 0.00         |
| Decrease Cost: Transfer Station Maintenance and Capital Equipment   | (169,968)         | 0.00         |
| Decrease Cost: Resource Recovery Facility Operations  | (5,587,287)       | 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. | (608,569)         | 0.00         |
| <b>FY23 Recommended</b>   | <b>63,304,577</b> | <b>21.65</b> |

## Materials and Collection

This program provides for collection of refuse from single family residences in the southern parts of the County (Subdistrict A)

and the funds to secure, administer, monitor, and enforce contracts with private collectors for collection of residential recyclables for the entire County. It also responds to the residents' service needs.

In addition, the program enforces the County's recycling regulations as they apply to single-family residences and other waste generators, and the enforcement of requirements of Chapter 48 of the County Code. It also supports solid waste program goals and ensures the success of recycling initiatives and progress to achieve the County's recycling goal. Also, the program provides for mandatory recycling and waste reduction for multi-family properties, for all businesses, and for broadly educating everyone living, visiting, and working in the County. Program efforts include technical support, assistance, education, outreach, and training.

It provides for the separation, processing, and marketing of recyclable materials at the Materials Recovery Facility (MRF, aka the Recycling Center). The MRF receives recyclable material collected under the County curbside collection program from all single-family residences as well as some materials from municipalities, multi-family properties, and non-residential properties that have established recycling programs. The materials are then sorted, baled, and shipped to markets for recycling. The program also provides for the processing, baling, and shipping of the County's residential and some non-residential mixed paper and corrugated paper (cardboard) as well.

The processing, transporting, composting, and marketing of yard trim received by the County is also included in this program, including leaves received from the County's Leaf Vacuuming Program. Processing includes grinding brush to produce mulch at the Transfer Station and composting of all leaves and grass, sold wholesale as LeafGro in bulk and bagged forms.

The program promotes recycling of food scraps as part of the County's overall effort to increase recycling and to reduce the amount of food waste within the County. The program includes initiatives to recycle food scraps and other acceptable organic materials generated by the single-family residential, multi-family residential, and commercial sectors, through composting and/or other technologies.

| Program Performance Measures  | Actual<br>FY20 | Actual<br>FY21 | Estimated<br>FY22 | Target<br>FY23 | Target<br>FY24 |
|---|----------------|----------------|-------------------|----------------|----------------|
| Number of tons of Municipal Solid Waste accepted at the Transfer Station: Commercial and multi-family buildings                     | 203,294        | 202,671        | 210,201           | 212,303        | 214,426        |
| Number of business site visits to provide guidance and recycling support  | 2,622          | 413            | 1,100             | 5,000          | 10,000         |
| Number of Multi-Family Building site visits to provide guidance and recycling support   | 1,460          | 461            | 1,300             | 1,700          | 2,500          |
| Recycling Reports compliance rate for businesses: % of businesses required to submit a report and plan that have done so            | 100%           | 100%           | 100%              | 100%           | 100%           |
| Recycling Reports compliance rate for multi-family buildings: % of buildings required to submit a report and plan that have done so | 100%           | 100%           | 100%              | 100%           | 100%           |
| Average number of refuse collections missed per week, not picked up within 24 hours   | 8.0            | 9.0            | 10.0              | 10.0           | 10.0           |
| Average number of recycling collections missed per week, not picked up within 24 hours  | 13.0           | 51.0           | 20.0              | 15.0           | 15.0           |

| FY23 Recommended Changes   | Expenditures      | FTEs         |
|--|-------------------|--------------|
| <b>FY22 Approved</b>   | <b>62,881,960</b> | <b>51.75</b> |
| Increase Cost: Recycling Programs  | 7,614,382         | 0.00         |
| Add: Save-as-you-Throw Pilot   | 416,910           | 0.00         |
| Increase Cost: Collection Contract Adjustments   | 380,952           | 0.00         |
| Increase Cost: Reallocation of Positions Based on Actual Work Activities - Disposal Fund | 39,504            | 0.40         |
| Increase Cost: Increased Staffing Cost   | 19,068            | 0.00         |
| Increase Cost: Recycling Outreach and Education  | 6,517             | 0.00         |
| Increase Cost: Other various smaller items   | 4,139             | 0.00         |

| <b>FY23 Recommended Changes</b>   | <b>Expenditures</b> | <b>FTEs</b>  |
|---|---------------------|--------------|
| Decrease Cost: Savings due to turnover  | (14,109)            | 0.00         |
| Decrease Cost: Food Waste   | (198,193)           | 0.00         |
| Decrease Cost: Recycling Center Operations and Capital Equipment  | (458,324)           | 0.00         |
| Decrease Cost: Compost Facility - Capital Equipment   | (899,839)           | 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. | (131,471)           | (1.00)       |
| <b>FY23 Recommended</b>   | <b>69,661,496</b>   | <b>51.15</b> |

## BUDGET SUMMARY

|  | <b>Actual<br/>FY21</b> | <b>Budget<br/>FY22</b> | <b>Estimate<br/>FY22</b> | <b>Recommended<br/>FY23</b> | <b>%Chg<br/>Bud/Rec</b> |
|--|------------------------|------------------------|--------------------------|-----------------------------|-------------------------|
| <b>SOLID WASTE DISPOSAL</b>                  |                        |                        |                          |                             |                         |
| <b>EXPENDITURES</b>                          |                        |                        |                          |                             |                         |
| Salaries and Wages                           | 9,128,570              | 8,783,570              | 8,393,948                | 9,104,945                   | 3.7 %                   |
| Employee Benefits                            | 2,386,857              | 2,611,188              | 2,500,810                | 2,601,275                   | -0.4 %                  |
| <b>Solid Waste Disposal Personnel Costs</b>  | <b>11,515,427</b>      | <b>11,394,758</b>      | <b>10,894,758</b>        | <b>11,706,220</b>           | <b>2.7 %</b>            |
| Operating Expenses                           | 114,524,981            | 110,956,615            | 109,786,615              | 115,718,515                 | 4.3 %                   |
| Capital Outlay                               | 1,953,916              | 2,291,444              | 2,291,444                | 2,315,605                   | 1.1 %                   |
| Debt Service Other                           | 0                      | 0                      | 0                        | 1,629,474                   | —                       |
| <b>Solid Waste Disposal Expenditures</b>     | <b>127,994,324</b>     | <b>124,642,817</b>     | <b>122,972,817</b>       | <b>131,369,814</b>          | <b>5.4 %</b>            |
| <b>PERSONNEL</b>                             |                        |                        |                          |                             |                         |
| Full-Time                                    | 79                     | 79                     | 79                       | 73                          | -7.6 %                  |
| Part-Time                                    | 2                      | 2                      | 2                        | 1                           | -50.0 %                 |
| FTEs   | 99.78                  | 100.28                 | 100.28                   | 101.53                      | 1.3 %                   |
| <b>REVENUES</b>                              |                        |                        |                          |                             |                         |
| Investment Income                            | 112,092                | 1,229,230              | 99,290                   | 592,670                     | -51.8 %                 |
| Miscellaneous Revenues                       | 1,464,812              | 221,778                | 1,841,432                | 55,000                      | -75.2 %                 |
| Other Charges/Fees                           | 219,999                | 224,466                | 209,242                  | 209,242                     | -6.8 %                  |
| Other Fines/Forfeitures                      | 21,550                 | 43,440                 | 30,090                   | 30,090                      | -30.7 %                 |
| Other Licenses/Permits                       | 10,597                 | 9,435                  | 10,111                   | 10,111                      | 7.2 %                   |
| Property Rentals                             | 10,198                 | 16,558                 | 10,198                   | 10,198                      | -38.4 %                 |
| Sale of Recycled Materials                   | 5,143,886              | 4,412,404              | 5,477,987                | 4,961,166                   | 12.4 %                  |
| Solid Waste Disposal Fees/Operating Revenues | 37,075,106             | 29,363,397             | 41,318,240               | 30,497,324                  | 3.9 %                   |
| Systems Benefit Charge                       | 60,113,506             | 77,985,100             | 67,381,319               | 89,050,632                  | 14.2 %                  |
| <b>Solid Waste Disposal Revenues</b>         | <b>104,171,746</b>     | <b>113,505,808</b>     | <b>116,377,909</b>       | <b>125,416,433</b>          | <b>10.5 %</b>           |

## SOLID WASTE COLLECTION

|   |                  |                  |                  |                  |              |
|---|------------------|------------------|------------------|------------------|--------------|
| <b>EXPENDITURES</b>                           |                  |                  |                  |                  |              |
| Salaries and Wages                            | 1,256,619        | 1,246,684        | 1,230,690        | 1,329,210        | 6.6 %        |
| Employee Benefits                             | 240,300          | 361,678          | 357,672          | 358,168          | -1.0 %       |
| <b>Solid Waste Collection Personnel Costs</b> | <b>1,496,919</b> | <b>1,608,362</b> | <b>1,588,362</b> | <b>1,687,378</b> | <b>4.9 %</b> |

## BUDGET SUMMARY

|  | Actual<br>FY21   | Budget<br>FY22    | Estimate<br>FY22  | Recommended<br>FY23 | %Chg<br>Bud/Rec |
|--|------------------|-------------------|-------------------|---------------------|-----------------|
| Operating Expenses                         | 8,374,029        | 9,018,344         | 8,668,344         | 9,577,405           | 6.2 %           |
| <b>Solid Waste Collection Expenditures</b> | <b>9,870,948</b> | <b>10,626,706</b> | <b>10,256,706</b> | <b>11,264,783</b>   | <b>6.0 %</b>    |
| PERSONNEL                                  |                  |                   |                   |                     |                 |
| Full-Time                                  | 4                | 4                 | 4                 | 4                   | —               |
| Part-Time                                  | 0                | 0                 | 0                 | 0                   | —               |
| FTEs                                       | 11.78            | 11.78             | 11.78             | 12.08               | 2.6 %           |
| REVENUES                                   |                  |                   |                   |                     |                 |
| Investment Income                          | 4,682            | 70,610            | 4,150             | 24,770              | -64.9 %         |
| Miscellaneous Revenues                     | 23,173           | 0                 | 15,000            | 0                   | —               |
| Systems Benefit Charge                     | 9,886,990        | 10,851,750        | 10,786,464        | 11,890,756          | 9.6 %           |
| <b>Solid Waste Collection Revenues</b>     | <b>9,914,845</b> | <b>10,922,360</b> | <b>10,805,614</b> | <b>11,915,526</b>   | <b>9.1 %</b>    |

## DEPARTMENT TOTALS

|                                  |                    |                    |                    |                    |                |
|----------------------------------|--------------------|--------------------|--------------------|--------------------|----------------|
| <b>Total Expenditures</b>        | <b>137,865,272</b> | <b>135,269,523</b> | <b>133,229,523</b> | <b>142,634,597</b> | <b>5.4 %</b>   |
| <b>Total Full-Time Positions</b> | <b>83</b>          | <b>83</b>          | <b>83</b>          | <b>77</b>          | <b>-7.2 %</b>  |
| <b>Total Part-Time Positions</b> | <b>2</b>           | <b>2</b>           | <b>2</b>           | <b>1</b>           | <b>-50.0 %</b> |
| <b>Total FTEs</b>                | <b>111.56</b>      | <b>112.06</b>      | <b>112.06</b>      | <b>113.61</b>      | <b>1.4 %</b>   |
| <b>Total Revenues</b>            | <b>114,086,591</b> | <b>124,428,168</b> | <b>127,183,523</b> | <b>137,331,959</b> | <b>10.4 %</b>  |

## FY23 RECOMMENDED CHANGES

|   | Expenditures                       | FTEs                      |
|---|------------------------------------|---------------------------|
| <b>SOLID WASTE DISPOSAL</b>   |                                    |                           |
|   | <b>FY22 ORIGINAL APPROPRIATION</b> | <b>124,642,817 100.28</b> |
| <b><u>Changes (with service impacts)</u></b>  |                                    |                           |
| Add: Save-as-you-Throw Pilot [Materials and Collection]   | 416,910                            | 0.00                      |
| Add: Beantown Dump Remediation [Disposal]   | 250,000                            | 0.00                      |
| Add: Mid-year Part-time to Full-time Upgrade for Code Enforcement Inspector Position [Disposal] | 71,582                             | 0.50                      |
| <b><u>Other Adjustments (with no service impacts)</u></b>                                       |                                    |                           |
| Increase Cost: Recycling Programs [Materials and Collection]                                    | 7,614,382                          | 0.00                      |
| Increase Cost: Transfer Station Power Infrastructure [Disposal]                                 | 1,700,000                          | 0.00                      |
| Increase Cost: Debt Service - Disposal Fund [Administration and Support]                        | 1,629,474                          | 0.00                      |
| Increase Cost: Oaks Landfill Capital Equipment and Monitoring [Disposal]                        | 1,596,650                          | 0.00                      |
| Increase Cost: Risk Management Adjustment   | 538,471                            | 0.00                      |
| Increase Cost: Out-of-County Haul During Recycling Center Upgrade [Disposal]                    | 326,303                            | 0.00                      |
| Increase Cost: Annualization of FY22 Compensation Increases                                     | 207,793                            | 0.00                      |
| Increase Cost: FY23 Compensation Adjustment   | 143,484                            | 0.00                      |
| Increase Cost: Automation - Disposal [Administration and Support]                               | 110,157                            | 0.00                      |
| Increase Cost: Household Hazardous Waste Operations and Capital Equipment [Disposal]            | 89,930                             | 0.00                      |



## FY23 RECOMMENDED CHANGES

|   | Expenditures | FTEs                      |
|---|--------------|---------------------------|
| Increase Cost: Site 2 Maintenance [Disposal]  | 50,057       | 0.00                      |
| Increase Cost: Reallocation of Positions Based on Actual Work Activities - Disposal Fund [Materials and Collection]   | 39,504       | 0.40                      |
| Increase Cost: Reallocation of Positions Based on Actual Work Activities - Disposal Fund [Administration and Support] | 33,837       | 0.35                      |
| Increase Cost: Six Percent Inflationary Increase to Non-Profit Service Provider Contracts [Disposal]                  | 9,895        | 0.00                      |
| Increase Cost: Motor Pool Adjustment  | 9,496        | 0.00                      |
| Increase Cost: Annualization of FY22 Lapsed Positions   | 8,647        | 0.00                      |
| Increase Cost: Recycling Outreach and Education [Materials and Collection]  | 6,517        | 0.00                      |
| Increase Cost: Other various smaller items [Materials and Collection]   | 4,139        | 0.00                      |
| Increase Cost: Printing and Mail Adjustment   | 1,395        | 0.00                      |
| Increase Cost: Annualization of FY22 Personnel Costs  | 751          | 0.00                      |
| Decrease Cost: Miscellaneous Charges - Disposal [Administration and Support]  | (159)        | 0.00                      |
| Decrease Cost: Various Smaller Changes [Disposal]   | (4,705)      | 0.00                      |
| Decrease Cost: Savings due to turnover [Materials and Collection]   | (14,109)     | 0.00                      |
| Decrease Cost: Staff turnover [Disposal]  | (45,722)     | 0.00                      |
| Decrease Cost: Administration - Disposal [Administration and Support]   | (52,390)     | 0.00                      |
| Decrease Cost: OPEB Adjustment  | (95,520)     | 0.00                      |
| Decrease Cost: Retirement Adjustment  | (134,305)    | 0.00                      |
| Decrease Cost: Transfer Station Maintenance and Capital Equipment [Disposal]  | (169,968)    | 0.00                      |
| Decrease Cost: Food Waste [Materials and Collection]  | (198,193)    | 0.00                      |
| Decrease Cost: Recycling Center Operations and Capital Equipment [Materials and Collection]                           | (458,324)    | 0.00                      |
| Decrease Cost: Elimination of One-Time Items Approved in FY22   | (471,856)    | 0.00                      |
| Decrease Cost: Compost Facility - Capital Equipment [Materials and Collection]  | (899,839)    | 0.00                      |
| Decrease Cost: Resource Recovery Facility Operations [Disposal]   | (5,587,287)  | 0.00                      |
| <b>FY23 RECOMMENDED</b>   |              | <b>131,369,814 101.53</b> |

### SOLID WASTE COLLECTION

|   |         |                         |
|---|---------|-------------------------|
| <b>FY22 ORIGINAL APPROPRIATION</b>  |         | <b>10,626,706 11.78</b> |
| <b><u>Other Adjustments (with no service impacts)</u></b>   |         |                         |
| Increase Cost: Collection Contract Adjustments [Materials and Collection]   | 380,952 | 0.00                    |
| Increase Cost: Risk Management Adjustment   | 178,308 | 0.00                    |
| Increase Cost: Reallocation of Positions Based on Actual Work Activities - Collection Fund [Administration and Support] | 30,986  | 0.30                    |
| Increase Cost: Annualization of FY22 Compensation Increases   | 25,914  | 0.00                    |
| Increase Cost: Increased Staffing Cost [Materials and Collection]   | 19,068  | 0.00                    |
| Increase Cost: FY23 Compensation Adjustment   | 16,168  | 0.00                    |
| Increase Cost: Motor Pool Adjustment  | 5,943   | 0.00                    |
| Increase Cost: Increased Staffing Cost [Administration and Support]   | 2,221   | 0.00                    |
| Increase Cost: Annualization of FY22 Personnel Costs  | 189     | 0.00                    |



## FY23 RECOMMENDED CHANGES

|  | Expenditures      | FTEs         |
|--|-------------------|--------------|
| Increase Cost: Printing and Mail Adjustment                                    | 71                | 0.00         |
| Decrease Cost: Miscellaneous Changes - Collection [Administration and Support] | (1,313)           | 0.00         |
| Decrease Cost: OPEB Adjustment   | (4,900)           | 0.00         |
| Decrease Cost: Retirement Adjustment   | (15,530)          | 0.00         |
| <b>FY23 RECOMMENDED</b>  | <b>11,264,783</b> | <b>12.08</b> |

## PROGRAM SUMMARY

| Program Name               | FY22 APPR Expenditures | FY22 APPR FTEs | FY23 REC Expenditures | FY23 REC FTEs |
|----------------------------|------------------------|----------------|-----------------------|---------------|
| Administration and Support | 6,761,152              | 39.16          | 9,668,524             | 40.81         |
| Disposal                   | 65,626,411             | 21.15          | 63,304,577            | 21.65         |
| Materials and Collection   | 62,881,960             | 51.75          | 69,661,496            | 51.15         |
| <b>Total</b>               | <b>135,269,523</b>     | <b>112.06</b>  | <b>142,634,597</b>    | <b>113.61</b> |

## CHARGES TO OTHER DEPARTMENTS

| Charged Department          | Charged Fund          | FY22 Total\$   | FY22 FTEs   | FY23 Total\$   | FY23 FTEs   |
|-----------------------------|-----------------------|----------------|-------------|----------------|-------------|
| <b>SOLID WASTE DISPOSAL</b> |                       |                |             |                |             |
| General Services            | General Fund          | 300,743        | 0.00        | 322,697        | 0.00        |
| Parking District Services   | Bethesda Parking      | 65,281         | 0.00        | 70,046         | 0.00        |
| Parking District Services   | Silver Spring Parking | 126,481        | 0.00        | 135,714        | 0.00        |
| Parking District Services   | Wheaton Parking       | 12,240         | 0.00        | 13,134         | 0.00        |
| Alcohol Beverage Services   | Liquor                | 16,589         | 0.00        | 17,800         | 0.00        |
|                             | <b>Total</b>          | <b>521,334</b> | <b>0.00</b> | <b>559,391</b> | <b>0.00</b> |

## FUNDING PARAMETER ITEMS

CE RECOMMENDED (\$000S)

| Title   | FY23           | FY24           | FY25           | FY26           | FY27           | FY28           |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>SOLID WASTE DISPOSAL</b>   |                |                |                |                |                |                |
| <b>EXPENDITURES</b>   |                |                |                |                |                |                |
| <b>FY23 Recommended</b>   | <b>131,370</b> | <b>131,370</b> | <b>131,370</b> | <b>131,370</b> | <b>131,370</b> | <b>131,370</b> |
| No inflation or compensation change is included in outyear projections.   |                |                |                |                |                |                |
| <b>Elimination of One-Time Items Recommended in FY23</b>  | <b>(3,450)</b> | <b>(3,450)</b> | <b>(3,450)</b> | <b>(3,450)</b> | <b>(3,450)</b> | <b>(3,450)</b> |
| Items recommended for one-time funding in FY23, including funding for capital equipment at the Oaks Landfill and for electrical power infrastructure at the Transfer Station, will be eliminated from the base in the outyears. |                |                |                |                |                |                |

## FUNDING PARAMETER ITEMS

CE RECOMMENDED (\$000S)

| Title  | FY23           | FY24           | FY25           | FY26           | FY27           | FY28           |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>Labor Contracts</b>   | <b>0</b>       | <b>461</b>     | <b>461</b>     | <b>461</b>     | <b>461</b>     | <b>461</b>     |
| These figures represent the estimated annualized cost of general wage adjustments, service increments, and other negotiated items. |                |                |                |                |                |                |
| <b>Subtotal Expenditures</b>   | <b>127,920</b> | <b>128,381</b> | <b>128,381</b> | <b>128,381</b> | <b>128,381</b> | <b>128,381</b> |

### SOLID WASTE COLLECTION

#### EXPENDITURES

|  |               |               |               |               |               |               |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>FY23 Recommended</b>  | <b>11,265</b> | <b>11,265</b> | <b>11,265</b> | <b>11,265</b> | <b>11,265</b> | <b>11,265</b> |
| No inflation or compensation change is included in outyear projections.  |               |               |               |               |               |               |
| <b>Labor Contracts</b>   | <b>0</b>      | <b>56</b>     | <b>56</b>     | <b>56</b>     | <b>56</b>     | <b>56</b>     |
| These figures represent the estimated annualized cost of general wage adjustments, service increments, and other negotiated items. |               |               |               |               |               |               |
| <b>Subtotal Expenditures</b>   | <b>11,265</b> | <b>11,322</b> | <b>11,322</b> | <b>11,322</b> | <b>11,322</b> | <b>11,322</b> |

---

## SOLID WASTE ENTERPRISE FUND

### RATES AND FISCAL PROJECTIONS FOR FY23-28

#### Assumptions:

- In FY23, the County Executive recommends the following solid waste system service charges:  
  
Single-Family: \$288.20  
Multi-Family: \$17.83  
Non-Residential: \$664.71  
(Medium category)
- Refuse collection services are maintained at their current levels, with the annual collection charge increasing \$10.00 (8.5%) from \$117.00/ household in FY22 to \$127.00/household in FY23.
- The disposal fee for municipal solid waste received at the Transfer Station (known as the “Tipping Fee”) is unchanged at \$60 per ton. Construction and demolition material and waste material delivered in open-top roll-off boxes will remain at \$76 per ton. Tipping fees for concrete rubble will remain at \$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 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.

**FY23 - FY28 Solid Waste Refuse Collection: Net Asset Balance and Collection Charge Calculation**

|   | FY22                | FY23                | FY24                | FY25                | FY26                | FY27                | FY28                |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|   | Estimate            | CE Rec              | Projection          | Projection          | Projection          | Projection          | Projection          |
| <b>ASSUMPTIONS</b>                              |                     |                     |                     |                     |                     |                     |                     |
| Indirect Cost Rate                              | 19.18%              | 18.35%              | 18.35%              | 18.35%              | 18.35%              | 18.35%              | 18.35%              |
| CPI (Fiscal Year)                               | 1.62%               | 3.04%               | 2.26%               | 2.37%               | 2.37%               | 2.28%               | 2.16%               |
| Number of Households (mid-FY)                   | 93,339              | 93,628              | 93,917              | 94,206              | 94,568              | 95,001              | 95,435              |
| <b>Charge Per Household</b>                     | <b>\$ 117.00</b>    | <b>\$ 127.00</b>    | <b>\$ 137.00</b>    | <b>\$ 147.00</b>    | <b>\$ 157.00</b>    | <b>\$ 167.00</b>    | <b>\$ 177.00</b>    |
| Percent Rate Increase (Decrease)                | 9.35%               | 8.55%               | 7.87%               | 7.30%               | 6.80%               | 6.37%               | 5.99%               |
| <b>Beginning Cash</b>                           | 1,721,560           | 1,931,379           | 1,456,883           | 1,706,431           | 2,156,237           | 1,322,039           | 1,030,506           |
| Revenues  | 10,790,614          | 11,915,526          | 12,899,049          | 13,881,942          | 14,882,116          | 15,901,437          | 16,929,645          |
| Loans   |                     |                     |                     |                     |                     |                     |                     |
| Expenses  | (10,267,311)        | (11,275,388)        | (11,521,677)        | (12,290,204)        | (14,559,658)        | (15,021,264)        | (15,348,700)        |
| Transfers                                       | (313,484)           | (314,634)           | (327,824)           | (341,932)           | (356,656)           | (371,706)           | (386,961)           |
| Change in Asset/Liability Accounts              |                     |                     |                     |                     |                     |                     |                     |
| Loan Payoff                                     |                     | (800,000)           | (800,000)           | (800,000)           | (800,000)           | (800,000)           |                     |
| <b>Ending Cash Balance</b>                      | 1,931,379           | 1,456,883           | 1,706,431           | 2,156,237           | 1,322,039           | 1,030,506           | 2,224,490           |
| <b>BEGINNING NET ASSETS</b>                     | (3,325,006)         | (3,100,187)         | (2,774,683)         | (1,725,135)         | (475,329)           | (509,527)           | (1,060)             |
| <b>REVENUES</b>                                 |                     |                     |                     |                     |                     |                     |                     |
| Charges for Services                            | 10,786,464          | 11,890,756          | 12,866,629          | 13,848,282          | 14,847,176          | 15,865,167          | 16,891,995          |
| Investment Income (per Dept. of Finance)        | 4,150               | 24,770              | 32,420              | 33,660              | 34,940              | 36,270              | 37,650              |
| Miscellaneous                                   | 15,000              |                     |                     |                     |                     |                     |                     |
| <b>Subtotal Revenues</b>                        | <b>10,805,614</b>   | <b>11,915,526</b>   | <b>12,899,049</b>   | <b>13,881,942</b>   | <b>14,882,116</b>   | <b>15,901,437</b>   | <b>16,929,645</b>   |
| <b>INTERFUND TRANSFERS (Net Non-CIP)</b>        | <b>(313,484)</b>    | <b>(314,634)</b>    | <b>(327,824)</b>    | <b>(341,932)</b>    | <b>(356,656)</b>    | <b>(371,706)</b>    | <b>(386,961)</b>    |
| <b>OMB Transfer Change</b>                      | -                   | -                   | -                   | -                   | -                   | -                   | -                   |
| <b>TOTAL RESOURCES</b>                          | <b>7,167,124</b>    | <b>8,500,705</b>    | <b>9,796,542</b>    | <b>11,814,875</b>   | <b>14,050,131</b>   | <b>15,020,204</b>   | <b>16,541,624</b>   |
| <b>OPERATING BUDGET APPROP/EXPENSES</b>         |                     |                     |                     |                     |                     |                     |                     |
| Personnel Costs                                 | (1,588,362)         | (1,687,378)         | (1,759,260)         | (1,836,140)         | (1,916,379)         | (1,998,400)         | (2,081,534)         |
| OMB Adjustments - Labor Adjustments             |                     |                     |                     |                     |                     |                     |                     |
| OMB Adjustments Labor Contracts other           |                     |                     |                     |                     |                     |                     |                     |
| Refuse Collection Contracts                     | (8,338,271)         | (9,075,167)         | (9,248,828)         | (9,928,303)         | (12,105,057)        | (12,472,371)        | (12,704,782)        |
| Other Operating Costs                           | (330,073)           | (502,238)           | (513,589)           | (525,761)           | (538,222)           | (550,493)           | (562,384)           |
| OMB Adjustments - Retiree Health Insurance OPEB | (10,605)            | (10,605)            |                     |                     |                     |                     |                     |
| OPEB Prepaid                                    |                     |                     |                     |                     |                     |                     |                     |
| Other Claims against Net Assets                 | -                   | -                   |                     |                     |                     |                     |                     |
| Subtotal PSP Oper. Budget Approp / Exp.         | (10,267,311)        | (11,275,388)        | (11,521,677)        | (12,290,204)        | (14,559,658)        | (15,021,264)        | (15,348,700)        |
| <b>TOTAL USE OF RESOURCES</b>                   | <b>(10,267,311)</b> | <b>(11,275,388)</b> | <b>(11,521,677)</b> | <b>(12,290,204)</b> | <b>(14,559,658)</b> | <b>(15,021,264)</b> | <b>(15,348,700)</b> |
| <b>YEAR END - NET ASSETS*</b>                   | <b>(3,100,187)</b>  | <b>(2,774,683)</b>  | <b>(1,725,135)</b>  | <b>(475,329)</b>    | <b>(509,527)</b>    | <b>(1,060)</b>      | <b>1,192,924</b>    |
| <b>End-of-Year Earnings as a % of Resources</b> | <b>-43.3%</b>       | <b>-32.6%</b>       | <b>-17.6%</b>       | <b>-4.0%</b>        | <b>-3.6%</b>        | <b>0.0%</b>         | <b>7.2%</b>         |

| FY23-28 DIVISION OF RECYCLING AND RESOURCE MANAGEMENT                               |                      |                      |                      |                      |                      |                      |                      |
|---|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| FISCAL PROJECTIONS  | ESTIMATED<br>FY22    | CE Rec<br>FY23       | PROJECTED<br>FY24    | PROJECTED<br>FY25    | PROJECTED<br>FY26    | PROJECTED<br>FY27    | PROJECTED<br>FY28    |
| Single-Family Charges (\$/Household)  | 244.78               | 288.20               | 316.29               | 343.75               | 368.95               | 386.33               | 406.10               |
| % change in rate from previous year   | 9.8%                 | 17.7%                | 9.7%                 | 8.7%                 | 7.3%                 | 4.7%                 | 5.1%                 |
| Multi-Family Charges (\$/Dwelling Unit)   | 17.29                | 17.83                | 18.63                | 19.36                | 20.18                | 21.48                | 23.77                |
| % change in rate from previous year   | 6.4%                 | 3.2%                 | 4.4%                 | 3.9%                 | 4.2%                 | 6.5%                 | 10.6%                |
| Nonresidential Charges (medium "category" charge)                                   | 644.61               | 664.71               | 692.54               | 707.14               | 733.80               | 757.17               | 803.33               |
| % change in rate from previous year   | 5.9%                 | 3.1%                 | 4.2%                 | 2.1%                 | 3.8%                 | 3.2%                 | 6.1%                 |
| <b>OPERATIONS CALCULATION</b>   |                      |                      |                      |                      |                      |                      |                      |
| <b>REVENUES</b>   |                      |                      |                      |                      |                      |                      |                      |
| Disposal Fees   | 28,269,206           | 29,237,262           | 29,305,726           | 29,373,982           | 29,330,637           | 29,285,459           | 29,220,751           |
| Charges for Services/SBC  | 67,381,319           | 78,181,938           | 85,793,159           | 93,163,195           | 100,647,695          | 106,306,120          | 113,923,536          |
| Miscellaneous   | 20,628,247           | 17,404,563           | 17,990,420           | 18,211,988           | 18,491,309           | 18,739,053           | 19,033,766           |
| Investment Income   | 99,290               | 592,670              | 775,750              | 805,300              | 835,980              | 867,830              | 900,890              |
| <b>Subtotal Revenues</b>  | <b>116,378,061</b>   | <b>125,416,433</b>   | <b>133,865,055</b>   | <b>141,554,465</b>   | <b>149,305,621</b>   | <b>155,198,462</b>   | <b>163,078,943</b>   |
| <b>INTERFUND TRANSFERS</b>  | <b>215,596</b>       | <b>(273,126)</b>     | <b>(176,067)</b>     | <b>(369,693)</b>     | <b>(184,805)</b>     | <b>(348,193)</b>     | <b>(412,645)</b>     |
| <b>EXPENDITURES</b>   |                      |                      |                      |                      |                      |                      |                      |
| Personnel Costs   | (10,894,758)         | (11,706,220)         | (12,204,905)         | (12,738,259)         | (13,294,921)         | (13,863,944)         | (14,440,684)         |
| Operating Expenses  | (109,786,615)        | (117,347,989)        | (117,866,635)        | (123,738,174)        | (131,681,236)        | (135,755,540)        | (142,312,236)        |
| Capital Outlay  | (2,291,444)          | (2,315,605)          | (1,172,998)          | (956,488)            | (1,351,706)          | (1,384,183)          | (1,884,183)          |
| <b>Subtotal Expenditures</b>  | <b>(122,972,817)</b> | <b>(131,369,814)</b> | <b>(131,244,538)</b> | <b>(137,432,921)</b> | <b>(146,327,863)</b> | <b>(151,003,667)</b> | <b>(158,637,103)</b> |
| <b>CURRENT RECEIPTS TO CIP</b>  | <b>(24,801,563)</b>  | <b>(1,845,000)</b>   | -                    | -                    | -                    | -                    | -                    |
| <b>OTHER CLAIMS ON FUND BALANCE - OPEB</b>  | <b>(84,842)</b>      | <b>(84,842)</b>      | -                    | -                    | -                    | -                    | -                    |
| <b>REMOVAL OF ONE-TIME ITEMS</b>  | -                    | 3,450,000            | 3,450,000            | 3,450,000            | 3,450,000            | 3,450,000            | 3,450,000            |
| <b>POTENTIAL FUTURE EXPENDITURES - LABOR CONTRACT</b>                               | -                    | (460,889)            | (460,889)            | (460,889)            | (460,889)            | (460,889)            | (460,889)            |
| <b>PAYOUT OF GUDE REMEDIATION</b>   | <b>18,329,000</b>    | <b>1,584,034</b>     | -                    | -                    | -                    | -                    | -                    |
| <b>PAYOUT OF CLOSURE COSTS (Non-CIP)</b>  | <b>2,071,036</b>     | <b>2,290,056</b>     | <b>2,329,424</b>     | <b>2,233,747</b>     | <b>2,289,469</b>     | <b>2,344,989</b>     | <b>2,388,551</b>     |
| <b>CY ACCRUED CLOSURE COSTS</b>   | <b>(25,755)</b>      | <b>(65,168)</b>      | <b>(54,017)</b>      | <b>(57,566)</b>      | <b>(55,401)</b>      | <b>(54,769)</b>      | <b>(53,331)</b>      |
| <b>NET CHANGE</b>   | <b>(10,891,284)</b>  | <b>(1,358,316)</b>   | <b>7,708,968</b>     | <b>8,917,144</b>     | <b>8,016,132</b>     | <b>9,125,933</b>     | <b>9,353,526</b>     |
| <b>CASH POSITION</b>  |                      |                      |                      |                      |                      |                      |                      |
| <b>ENDING CASH &amp; INVESTMENTS</b>  |                      |                      |                      |                      |                      |                      |                      |
| Unrestricted Cash   | 28,407,453           | 29,907,428           | 30,308,173           | 35,183,373           | 40,681,325           | 41,534,913           | 51,170,691           |
| Restricted Cash   | 36,686,761           | 36,689,366           | 40,286,012           | 43,267,107           | 43,481,048           | 44,324,496           | 40,739,679           |
| <b>Subtotal Cash &amp; Investments</b>  | <b>65,094,214</b>    | <b>66,596,794</b>    | <b>70,594,185</b>    | <b>78,450,480</b>    | <b>84,162,373</b>    | <b>85,859,409</b>    | <b>91,910,370</b>    |
| <b>RESERVE &amp; LIABILITY REQUIREMENTS</b>   |                      |                      |                      |                      |                      |                      |                      |
| Management Reserve  | (27,368,711)         | (27,003,138)         | (28,291,984)         | (30,145,305)         | (31,119,889)         | (32,709,855)         | (32,709,855)         |
| Debt Service Reserve  | (2,204,500)          | (2,141,000)          | (2,063,500)          | (1,983,000)          | (1,899,500)          | (1,812,500)          | (1,812,500)          |
| Renewal & Replacement Reserve   | (4,521,882)          | (4,659,348)          | (4,764,648)          | (4,877,570)          | (4,993,169)          | (5,107,013)          | (5,217,324)          |
| Stability Reserve   | (2,591,668)          | (2,885,880)          | (5,165,880)          | (6,261,232)          | (5,468,490)          | (4,695,128)          | (1,000,000)          |
| <b>Subtotal Reserve Requirements</b>  | <b>(36,686,761)</b>  | <b>(36,689,366)</b>  | <b>(40,286,012)</b>  | <b>(43,267,107)</b>  | <b>(43,481,048)</b>  | <b>(44,324,496)</b>  | <b>(40,739,679)</b>  |
| Closure/Postclosure Liability   | (19,360,188)         | (17,196,228)         | (14,981,749)         | (12,866,495)         | (10,693,355)         | (8,464,063)          | (6,189,771)          |
| Gude Remediation Liability  | (40,630,034)         | (39,046,000)         | (39,046,000)         | (39,046,000)         | (39,046,000)         | (39,046,000)         | (39,046,000)         |
| <b>Subtotal Reserve &amp; Liability Requirements</b>                                | <b>(96,676,983)</b>  | <b>(92,931,594)</b>  | <b>(94,313,761)</b>  | <b>(95,179,602)</b>  | <b>(93,220,403)</b>  | <b>(91,834,559)</b>  | <b>(85,975,450)</b>  |
| <b>CASH &amp; INVESTMENTS OVER/(UNDER)<br/>RESERVE &amp; LIABILITY REQUIREMENTS</b> | <b>(31,582,769)</b>  | <b>(26,334,800)</b>  | <b>(23,719,576)</b>  | <b>(16,729,122)</b>  | <b>(9,058,030)</b>   | <b>(5,975,150)</b>   | <b>5,934,920</b>     |
| <b>Net Assets</b>   |                      |                      |                      |                      |                      |                      |                      |
| <b>ENDING NET ASSETS</b>  | <b>42,000,673</b>    | <b>44,156,361</b>    | <b>53,181,713</b>    | <b>64,031,825</b>    | <b>73,164,289</b>    | <b>78,368,362</b>    | <b>89,238,027</b>    |
| Less: Reserve Requirements  | (36,686,761)         | (36,689,366)         | (40,286,012)         | (43,267,107)         | (43,481,048)         | (44,324,496)         | (40,739,679)         |
| <b>NET ASSETS OVER/(UNDER)<br/>RESERVE REQUIREMENTS</b>                             | <b>5,313,912</b>     | <b>7,466,995</b>     | <b>12,895,701</b>    | <b>20,764,718</b>    | <b>29,683,241</b>    | <b>34,043,866</b>    | <b>48,498,348</b>    |

---

## FY23 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 | Incremental Systems Benefit | 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 Non-Residential   | Via tax bill         | Via tax bill                | Charged at Transfer Station | Not applicable                 | Not applicable                 |

| FY23 SOLID WASTE SERVICE CHARGES TO BE COLLECTED VIA REAL PROPERTY ACCOUNT BILLING  |                      |   |                        |   |                 |  |                             |   |                                    |   |                          |                     |                       |   |             |
|---|----------------------|---|------------------------|---|-----------------|--|-----------------------------|---|------------------------------------|---|--------------------------|---------------------|-----------------------|---|-------------|
| Code Reference  | 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  |
| 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             |   | 0.81933                |   | \$ 49.16        |  | \$ 40.15                    |   | \$ 198.89                          |   | \$ 127.00                |                     | \$ 118.67             |   | \$ 533.87   |
| Outside Leaf Vacuuming District   | \$ 60.00             |   | 0.81933                |   | \$ 49.16        |  | \$ 40.15                    |   | \$ 198.89                          |   | \$ 127.00                |                     |                       |   | \$ 415.20   |
| Incorporated  |                      |   |                        |   |                 |  | \$ 40.15                    |   |                                    |   |                          |                     |                       |   | \$ 40.15    |
| SUBDISTRICT B SINGLE-FAMILY**   |                      |   |                        |   |                 |  |                             |   |                                    |   |                          |                     |                       |   |             |
| Incorporated  |                      |   |                        |   |                 |  | \$ 40.15                    |   |                                    |   |                          |                     |                       |   | \$ 40.15    |
| Inside Leaf Vacuuming District  |                      |   |                        |   |                 |  |                             |   |                                    |   |                          |                     |                       |   |             |
| Unincorporated  | \$ 60.00             |   | 0.81933                |   | \$ 49.16        |  | \$ 40.15                    |   | \$ 198.89                          |   |                          |                     | \$ 118.67             |   | \$ 406.87   |
| Outside Leaf Vacuuming District   |                      |   |                        |   |                 |  |                             |   |                                    |   |                          |                     |                       |   |             |
| Unincorporated  | \$ 60.00             |   | 0.81933                |   | \$ 49.16        |  | \$ 40.15                    |   | \$ 198.89                          |   |                          |                     |                       |   | \$ 288.20   |
| MULTI-FAMILY RESIDENTIAL**  |                      |   |                        |   |                 |  |                             |   |                                    |   |                          |                     |                       |   |             |
| Incorporated  |                      |   |                        |   |                 |  | \$ 6.23                     |   | \$ 11.60                           |   |                          |                     |                       |   | \$ 17.83    |
| Unincorporated  |                      |   |                        |   |                 |  |                             |   |                                    |   |                          |                     |                       |   |             |
| Outside Leaf Vacuuming District   |                      |   |                        |   |                 |  | \$ 6.23                     |   | \$ 11.60                           |   |                          |                     |                       |   | \$ 17.83    |
| Inside Leaf Vacuuming District  |                      |   |                        |   |                 |  | \$ 6.23                     |   | \$ 11.60                           |   |                          |                     | \$ 4.43               |   | \$ 22.26    |
| NONRESIDENTIAL - \$/2,000 SQ. FT. ***   |                      |   |                        |   |                 |  |                             |   |                                    |   |                          |                     |                       |   |             |
| Code Reference  |                      |   |                        |   |                 |  |                             |   |                                    |   |                          |                     |                       |   |             |
| Waste Generation Categories   |                      |   |                        |   |                 |  |                             |   |                                    |   |                          |                     |                       |   |             |
| Low   |                      |   |                        |   |                 |  | \$ 106.81                   |   | \$ 26.13                           |   |                          |                     |                       |   | \$ 132.94   |
| Medium Low  |                      |   |                        |   |                 |  | \$ 320.43                   |   | \$ 78.40                           |   |                          |                     |                       |   | \$ 398.83   |
| Medium  |                      |   |                        |   |                 |  | \$ 534.04                   |   | \$ 130.67                          |   |                          |                     |                       |   | \$ 664.71   |
| Medium High   |                      |   |                        |   |                 |  | \$ -                        |   | \$ -                               |   |                          |                     |                       |   |             |
| High  |                      |   |                        |   |                 |  | \$ 961.27                   |   | \$ 235.21                          |   |                          |                     |                       |   | \$ 1,196.48 |
| OTHER FY23 SOLID WASTE FEES   |                      |   |                        |   |                 |  |                             |   |                                    |   |                          |                     |                       |   |             |
| Base Solid Waste Charge under Section 48-32(a)(1):<br>(This is known as the "Tipping Fee")  |                      |   |                        |   |                 | Concrete/dirt rubble delivered for disposal  |                             |   |                                    |   |                          | \$70 / disposal ton |                       |   |             |
| \$ 60.00 / disposal ton   |                      |   |                        |   |                 |  |                             |   |                                    |   |                          |                     |                       |   |             |
| Waste delivered for disposal <500 lb loads in privately owned and operated vehicles or trailers<br><1,000 capacity per Section 48-32(c)(2): \$0.00/disposal ton |                      |   |                        |   |                 | Solid Waste Service Charges (Section 48-32(a)(2)):<br>Paper and Commingled Containers \$0.00 / ton   |                             |   |                                    |   |                          |                     |                       |   |             |
|   |                      |   |                        |   |                 | Solid Waste Service Charges (Section 48-32(b)(2)):<br>All Yard Trim received at the Transfer Station<br>(weighing > 500 pounds/load) \$46.00 / ton |                             |   |                                    |   |                          |                     |                       |   |             |
| Waste delivered in open-top roll-off box & declared C&D \$ 76.00 / disposal ton   |                      |   |                        |   |                 | Miscellaneous (48-31(f)):<br>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.



---

THIS PAGE INTENTIONALLY LEFT BLANK