



DEPARTMENT OF ENVIRONMENTAL PROTECTION

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County Executive

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**MONTGOMERY COUNTY GOVERNMENT
SOLICITATION AMENDMENT 1
DEP-RRM-101121**

November 22, 2021

FOR THE REQUEST FOR INFORMATION (RFI) OF: **Municipal Solid Waste Acceptance, Processing, Transportation, and Disposal Services**

DESCRIPTION OF AMENDMENT

- I. The due date and time for proposals/bids **HAS CHANGED** as follows.
 - A. The revised due date and time to respond to the RFI is:
January 28, 2022 by 4:30p.m. EST
Responses must be submitted by email only to: Marilu.Enciso@MontgomeryCountyMD.gov.

- II. Last Day for Questions **HAS CHANGED** as follows:
 - A. The revised last day to submit questions regarding the RFI is:
December 15, 2021, at 5:00 p.m.
Please e-mail questions to Marilu Enciso at Marilu.Enciso@montgomerycountymd.gov.

- III. Offerors are being requested to provide a calculation of additional cost information based on tonnages and timeframes of the contract(s), with the Responses. See ATTACHED page 18A to this Amendment.

THERE ARE NO OTHER CHANGES.

END OF AMENDMENT 1

3.6 Adjusted Cost per Ton for TS Operations, Transportation and Disposal Based on Tonnage Reductions and Length of Contract

Tons per Year	Contract Term in Years				
	5	10	15	20	25
600,000					
550,000					
500,000					
450,000					
400,000					
350,000					



**Montgomery County Maryland
Department of Environmental Protection
Recycling and Resource Management Division**

REQUEST FOR INFORMATION

For

**Municipal Solid Waste Acceptance, Processing,
Transportation, and Disposal Services**

RFI #DEP-RRM-101121

Date Issued: October 11, 2021

**Responses Due: December 10, 2021,
by 4:30 p.m. EST**

Table of Contents

1. PURPOSE3

2. PROJECT BACKGROUND3

2.1. COUNTY OWNED SOLID WASTE MANAGEMENT FACILITIES3

2.2. TONNAGE INFORMATION4

2.3. WASTE COMPOSITION5

2.4. WASTE COLLECTION5

2.5. CURRENT WASTE TRANSPORTATION SYSTEM.....6

3. SCOPE.....6

3.1. TRANSFER STATION EXPERIENCE6

3.2. LANDFILL OPTIONS.....7

3.3. LANDFILL PERMIT INFORMATION7

3.4. ENVIRONMENTAL AND SOCIAL JUSTICE CRITERIA7

3.5. PROJECTED TOTAL COST8

4. TRANSPORTATION METHOD(S) FROM TS TO LANDFILL(S).....9

5. GENERAL TERMS AND CONDITIONS9

6. RFI RESPONSES.....10

7. APPENDIX.....13

7.1. DEFINITIONS13

1. Purpose

Montgomery County, Maryland (“County”) is issuing this Request For Information (“RFI”) to obtain information from organizations interested in all or part of the operation of the County’s Shady Grove Processing Facility and Transfer Station (“TS”), including acceptance, processing, transportation, and disposal services for approximately 600,000 tons per year of acceptable solid waste¹. Responses are intended to inform and educate the County on available options for acceptance, processing, transportation, and disposal of acceptable solid waste received at the TS. The County may use responses to this RFI to develop a Request for Proposal (“RFP”) in the future.

This RFI does not constitute a commitment, implied or otherwise. The County will not be responsible for any costs incurred by respondents to prepare and submit their response to this RFI.

This RFI is posted on the County website at: www.montgomerycountymd.gov/DEP/Procurement/RFI-DEP-RRM-101121.html.

2. Project Background

2.1. County Owned Solid Waste Management Facilities

The Shady Grove Processing Facility and Transfer Station is one of several solid waste management facilities in the County. More information on Solid Waste Facilities located in the County can be found in Table 8 in the Appendix.

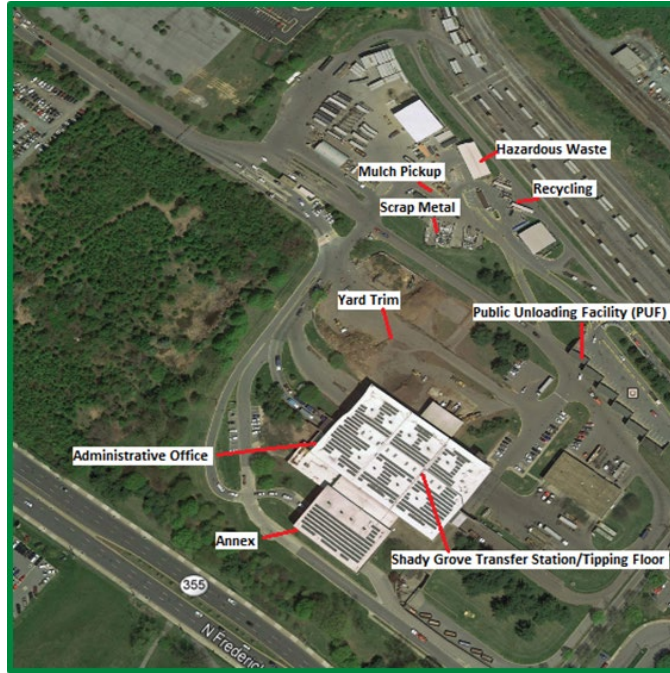
2.2.1 Shady Grove Processing Facility and Transfer Station (“TS”)

- a. In operation since 1982.
- b. 45-acre parcel
- c. Located at 16101 Frederick Road Derwood, Maryland 20855.
- d. Two entrances
 - i. Shady Grove Road for Commercial vehicles. Approximately 1,000 vehicles per day with loads greater than 500 lbs.
 - ii. Frederick Road (MD Route 355) for residential vehicles. Residential traffic to the Public Unloading Facility can run between 1,000–2,000 vehicles per day with loads of less than 500 lbs.
- e. In 1995, initiated rail transportation of processible (e.g., combustible) waste from the TS to the Resource Recovery Facility (“RRF”).
- f. In 2008, the tipping building and tipping floor area were expanded. Additional TS improvements included:
 - i. Site roads
 - ii. Installation of additional scales
 - iii. An enclosed small vehicle drop-off center was added to the tipping building.
- g. The TS employs four compactors that compress processible waste into 40-foot intermodal containers at 25–27 tons per container. Full containers are driven to the rail yard for shipment to the RRF. If necessary, processible waste is bypassed directly to other permitted disposal sites.

¹ Acceptable waste: materials remaining after recycling and not classified as a Hazardous Waste.

- h. The TS receives approximately 2,100 tons per day of MSW via commercial and residential vehicles. Vehicles with less than 3-ton capacity account for 65% of the total vehicular traffic.
- i. The TS is equipped with seven radioactivity detectors located throughout the TS complex.

Figure 1: Shady Grove Transfer Station and Processing Facility Site Plan



Source: Google Earth, Image Date 04/2018

The TS has an operating permit limit of 821,500 tons per year. The approximate annual waste composition is:

- 550,000 to 625,000 tons of MSW
- 40,000 to 60,000 tons of Construction and Demolition waste
- 80,000 to 90,000 tons of yard trim and natural wood
- 10,000 tons of scrap metal, electronics, and other recyclables.

See Table 6 of the Appendix for the County’s Waste Material Flow Diagram for Calendar Year 2019.

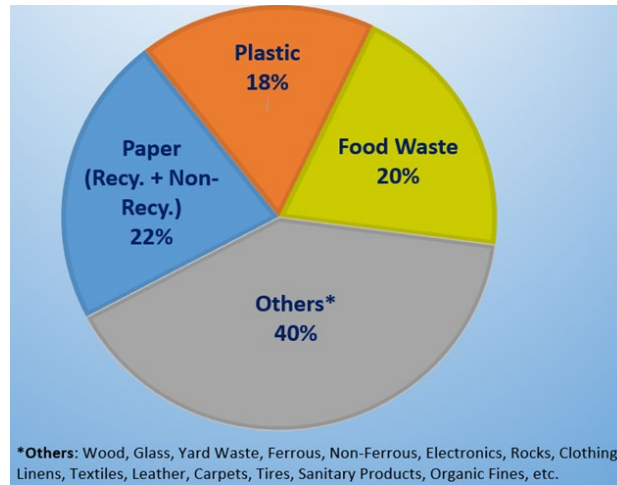
Table 1. Total Tons Received at TS, Tons Processed at RRF, Tons Landfilled

	2018	2019	2020
Total Tons Received at Transfer Station	655,278	661,772	619,877
Total Tons Processed at RRF	613,850	607,553	548,758

2.3. Waste Composition

The County conducts regular waste composition studies. The current waste composition study data is shown in Figure 2.

Figure 2. Composition of County MSW



Does not include C&D

The waste composition by category can be found in Table 5 of the Appendix². The actual tonnage of each commodity received may vary. The County's waste disposed and materials recycled by material type for Calendar Year 2019 can be found in Table 7 in the Appendix.

2.4. Waste Collection

The County is divided into two solid waste collection subdistricts; Subdistrict A and Subdistrict B³. The County contracts with Independent Collection Contractors for dual-stream collection of recyclables from all single-family homes not located in incorporated cities in the County.

The County's Independent Collection Contractors collect solid waste from single-family homes in Subdistrict A. The County does not contract for the collection of recyclables or solid waste from multi-family properties or commercial businesses.

County collection contractors must deliver materials collected in the County to the TS or other County-designated facility. The County's Independent Collection Contractors do not pay a tipping fee and are prohibited from billing County residences any disposal fees.

² The full report can be found here: [Waste Composition Study 2017](https://www.montgomerycountymd.gov/SWS/Resources/Files/studies/waste-composition-study-2017.pdf) located at <https://www.montgomerycountymd.gov/SWS/Resources/Files/studies/waste-composition-study-2017.pdf> at the time of publishing.

³ To learn more the County's solid waste collection, refer to Chapter 3 of the 10-Year Solid Waste Plan.

2.5. Current Waste Transportation System

Processible⁴ waste is shipped from the TS by rail to the RRF. Containers are double-stacked on special-purpose rail cars and travel via an existing CSX Transportation, Inc. rail line 18 miles to the RRF for incineration.

3. Scope

The TS is owned by the County and currently operated by Covanta under a contract with the Northeast Maryland Waste Disposal Authority (“Authority”). The NMWDA contract with Covanta expires in April 2026. The County is seeking information from parties interested in working with the County to provide any, all, or a combination of the following solid waste management services:

- Operation and Management of the County’s transfer station, including the Public Unloading Facility.
- Acceptance and processing of approximately 600,000 tons per year of acceptable waste. The County makes no guarantee as to an annual waste tonnage.
- Loading of acceptable waste into tractor-trailers or intermodal rail containers, or both.
- Rail or tractor-trailer transportation and disposal of acceptable solid waste to landfill(s).
- Modifications and/or changes to TS buildings, waste handling processes, and systems to facilitate the respondents preferred TS operational processes, transportation method(s), and loading.

NOTE: The following operations on the TS campus are not included in the RFI:

- MRF
- Yard Trim Acceptance and Processing
- Scalehouse
- Household Hazardous Waste Drop-Off
- Residential Drop-Off (Scrap Metal, Electronics, Oil, etc.)

Sections 3.1 – 3.5, tables are provided to facilitate ease in completing responses and allow the County to review the information submitted efficiently. Please fill out the table(s) in each section below. If additional space is needed, extra pages may be used.

3.1. Transfer Station Experience

In the table below, list three transfer stations your company operates that are similar in volume and scope of the County TS. Use additional sheet(s) as required.

Name of Transfer Station	Location (City and State)	Client Contact Information	Annual Incoming Volume (Tons per Year)	Outbound Transportation (Truck, Rail, Both)	Comments

⁴ Processible Waste – waste acceptable for processing at the County RRF.

3.2. Landfill Options

Fill in the table below for the landfill(s) your company would consider a disposal option for the County’s acceptable waste. Use additional sheet(s) as required.

Name of Landfill	Location City and State	Inbound Transportation (Truck, Rail, Both)	Distance From MoCo TS (Rail and/or Truck Miles)	Material Recovery and Biological Treatment (MRBT) Capacity (Yes or No) If “Yes”, please explain	Comments

3.3. Landfill Permit Information

Fill in the table below for each landfill listed in Section 3.2. Use additional sheet(s) as required.

Name of Landfill	SubTitle D Permit (Yes or No)	NOV’s in Last 5 Years (Yes or No) If “Yes”, please explain	Disposal Capacity Available (Tons per Year)	Permitted Annual Volume (Tons per Year)	Capacity Remaining

3.4. Environmental and Social Justice Criteria

For each landfill listed in Sections 3.2 & 3.3, please fill in the tables below.

Name of Landfill	Total Population (within a 5-mile radius)	Population Density (within a 5-mile radius)	Minority Population Percentage (within a 5-mile radius)	Median Household Income (within a 5-mile radius)	Median Housing Value (within a 5-mile radius)

Name of Landfill	Local Community Seeking to Stop or Limit Expansion or Closure (Yes or No)	Priority to Provide Local Disposal Capacity (Yes or No)	Health Risk Studies Available (Yes or No) If "Yes", please provide a list

Name of Landfill	Landfill Gas Collection System (Yes or No)	Use of Gas (Generate Electricity, Flare, Vehicle Fuel, Pipeline)	Bioreactor (Yes or No) If "Yes", please describe

Name of Landfill	Put or Pay Provision (Yes or No)	Minimum Payment Required (Yes or No)

GHG Emissions in MTCO2E for Each Step in Process					
Transportation Method	TS	Transport	Disposal	Total	Source of GHG Information
Truck					
Rail					
Combination Show % Split					

3.5. Projected Total Cost

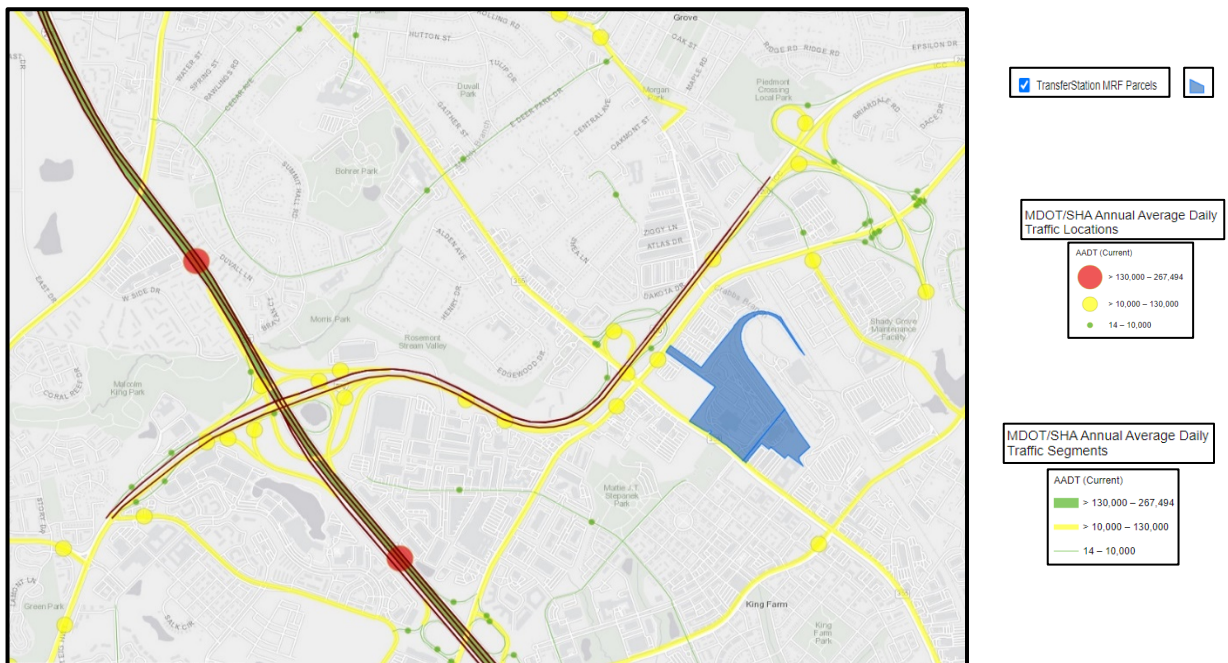
Name of Landfill	Projected Cost per Ton for TS Operation, Transportation and Disposal

4. Transportation Method(s) From TS to Landfill(s)

Responses should include information on the transportation method(s) to landfills, including:

- Recommended method(s);
 - Rail
 - Truck
 - Combination of the two
- Cost per ton for the transportation method(s) recommended.
- TS modifications required to facilitate the proposed method(s).
- Analysis of the GHG emissions impact of the proposed transportation method(s).

Figure 3: Annual Average Daily Traffic Segments and Locations Near the TS:



5. General Terms and Conditions

- A. The County will not be obligated to any Respondent for any costs incurred to prepare and submit a response to this RFI.
- B. The County will not be obligated to pay for any information included in a response.
- C. Responses should be in PDF and/or Microsoft Word formats and be limited to no more than 50 pages (not including drawings, illustrations, etc.).
- D. For economy of presentation, special bindings, colored displays, promotional materials are not required.
- E. **Confidential or Proprietary Information:** All responses received from this RFI become the property of the County and will not be returned. Responses should note any information deemed to be confidential. Under the Maryland Public Information Act, County laws, and regulations, the County cannot guarantee it will not be compelled to disclose all or part of any information submitted, even if noted to be confidential or proprietary.

- F. The County encourages responses with any pertinent information the County should consider, including topics not specifically detailed in this RFI.
- G. The County may request clarification to a submitted response by telephone, electronic communication, and/or a request for a presentation.

6. RFI Responses

A. Respondent Information: Provide the following information:

Company Name:					
Street Address:					
City:		State:		Zip Code:	
Telephone No.			eMail:		
Website address:					

B. Contact Information: Person the County may contact concerning your response and all subsequent information regarding this RFI.

Name:			Title:		
Address:					
City:		State:		Zip Code:	
Office:			Mobile:		
Email:					

C. Content: The County would appreciate receiving responses that include the following elements:

1. **Cover Letter:** On company letterhead, briefly introduce your company and include any portion of the described operations of particular interest. Examples of areas of interest would include operating the TS, submitting a future bid on potential TS upgrades or modifications, supplying waste handling/processing equipment, logistics and transportation, and waste disposal services.
2. **Company Description:** Include a brief history, operational experience, and provide a list of the current ownership team. Public companies should provide a list of company officers. List and describe the services offered and state if the company’s interest is in operating the County TS, providing transportation services, landfill disposal capacity, supplying MSW processing equipment, other functions related to this RFI, or a turn-key solution.
3. **Operational Information:**
 - a. Recommended operational changes at the TS. Including TS and TS infrastructure modifications, including the TS railyard and TS road network.
 - b. Analysis of TS Transportation infrastructure with recommendations, including impact on local TS and landfill communities.

- c. A list of recommended landfills based on criteria in Sections 3.1 – 3.4 of this RFI.
- d. An estimated cost range to provide waste acceptance, transportation, and disposal services to the County.
 - i. The price per ton should include the cost to furnish, maintain, and operate a sufficient number of vehicles, trailers, tractors, rail containers, and equipment (if applicable) to accept and transport the anticipated tonnage of Acceptable Material.
 - ii. If possible, use existing contracts with other municipalities to provide a brief overview of how payments can be structured.
- e. Propose term of initial contract and renewal options.
- f. Discuss the feasibility of a new system being operational by April 1, 2026. Include a timeline for meeting an April 1, 2026 start-up.
 - i. If not feasible, provide a projected start date with a timeline.
 - ii. Describe how you foresee the TS would transition from current operations from new system contract award, construction/modifications, and projected new system start date.
- g. Information on technologies to be employed to improve waste acceptance, processing, and loading with equipment performance specifications.
- h. Description of material handling systems to be employed to maximize efficiency.
- i. Descriptions and information on how your system will eliminate unsafe, repetitive jobs and protect worker safety, health, and welfare.
- j. Provide details on workplace and contract equity programs to ensure Minority Business Enterprise firms and/or Women-owned businesses would be included in a future proposal from your company.
- k. Information on energy-saving systems, processes, materials for transfer stations.
- l. Any other pertinent information relevant to this RFI.

D. Site Tours

Site Tours are available on October 27, 2021, at the following times:

1. 10:00 a.m. to 12:00 p.m. or
2. 1:00 p.m. to 3:00 p.m.

Participation in either of the other Site Vists is not required but highly encouraged.

To register your Firm and the number of attendees, please contact Marilu Enciso by email at Marilu.Enciso@montgomerycountymd.gov. There is a maximum of ten attendees per tour. Attendees are required to provide their own Personal Protective Equipment as follows:

- Safety Vest,
- Hard Hat,
- Safety Glasses,
- Comfortable closed-toe walking shoes. Steel toe or safety toe shoes are not required. High heels, flip flops, or sling-back shoes will not be permitted on tour.
- Carpooling is recommended because parking is limited at the Transfer Station Main Office lot. To get to the TS Main Office Parking lot, use the Frederick Road (MD Route 355) entrance, make an immediate left and follow the access road around to the Main Offices.

Any oral response given during the Site Tours not confirmed in writing and posted with this RFI shall not be official or binding on the County. After the Site Tours, respondents are encouraged to submit questions asked during the meeting in writing to the County Staff person identified below.

E. Questions and Response Due Date:

Last Day for Questions is November 15, 2021, at 5:00 p.m. Please e-mail questions to Marilu Enciso at Marilu.Enciso@montgomerycountymd.gov. Responses to questions will be posted as Amendments on the website listed on page 3. Questions received after this date will not be answered.

Responses to this RFI are due no later than **December 10, 2021, by 4:30 p.m. EST.**

Responses must be submitted by email only to: Marilu.Enciso@MontgomeryCountyMD.gov. Proposals will only be accepted in an electronic format either as an Adobe® PDF (preferred) document or a Microsoft® Word document. Offers MUST be submitted by email to the email address specified above, and they must be received no later than the proposal due date of **December 10, 2021, by 4:30 p.m. EST.** The maximum file size that can be submitted through the County server is 30 Megabytes. Therefore, Offerors must ensure the Proposal file is compressed to reduce the file size below that threshold. This includes but is not limited to compressing all images and deleting any cropped areas, flattening layered images, and optimizing image quality to reduce their size. PDF files should be compressed before sending. The email submission of a link to download a larger file (Dropbox, SharePoint, OneDrive, etc.) will not be accepted. It is the Offerors' responsibility to ensure their mail server will transmit the final document size.

A confirmation of receipt of the Proposal will be sent by email. If the Offeror does not receive a confirmation within an hour of submission, please call Marilu Enciso at 240-777-6458 to confirm receipt. County staff is unable to provide technical support for the transmission of Proposals through the mail servers.

Proposals received after the due date and time may be disqualified from review and consideration at the County's sole discretion.

F. Review Process:

Responses will be reviewed and used to assess County needs and better define County requirements.

The County issued this RFI to survey the industry to secure information to assist the County in developing a waste acceptance, processing, transport, and disposal strategy. This strategy may be used by the County to prepare an RFP for such services in the future.

7. Appendix

7.1. Definitions

Acceptable Waste: Materials not collected as recyclables or yard trim and not classified as Hazardous Waste.

By-Pass: Under certain conditions, the current TS Service Agreement (“SA”) allows processible waste to be shipped directly to an approved landfill instead of being shipped by rail to the RRF. The SA includes a method for determining whether the Contractor or the County pays for the bypass.

C&D: Construction and Demolition (C&D) Debris - solid waste from construction, demolition, and renovation projects that produce debris including wood, wood products such as fiberboard and particleboard, cardboard, sheetrock, and other drywall, plaster, fiberglass, plastic, glass, stone, steel, and other metals, asphalt, concrete, brick and mortar, rock, dirt, rubble, tree stumps, logs, and large tree limbs.

MSW: Municipal Solid Waste: Solid waste generated at residences, commercial establishments, and institutions; excludes land clearing, construction, and demolition debris.

Non-Processible Waste: a waste material that cannot be processed at the RRF due to its size, bulkiness, composition, or regulatory restrictions.

Northeast Maryland Waste Disposal Authority (NMWDA): the NMWDA is a multi-county agency that provides support for the waste and recycling management systems for the eight participating jurisdictions in the state.

Processible Waste: The portion of the County’s waste stream acceptable for processing at the RRF.

Recyclables: For this RFI, recyclables refer to materials collected through the County’s dual-stream collection program. Paper, corrugated cartons, etc., go in the “Fiber” bin. Plastics, steel & aluminum containers and glass are placed in the “Commingled” bin.

Resource Recovery Facility (“RRF”): The County’s Waste to Energy facility in Dickerson, MD.

Solid Waste Charges: County charges fees for the waste management services the County provides. These include: base and incremental systems benefit charges, refuse collection charges, and disposal fees. Residents in the leaf vacuuming collection district may pay an additional charge for the leaf collection service.

Solid Waste Collection Districts: Special service districts in certain areas of the County where County contractors collect recyclables and solid waste.

Sub-District A & Sub-District B: The two sub-districts of the County’s collection districts.

Waste: materials collected from residences and businesses generally consisting of trash, recyclables, food scraps, yard trim, source-separated organics, scrap metal, electronics, household hazardous waste, and bulk trash.

Table 5. Overall Weighted Composition by Category

CATEGORY	Overall Weighted Composition
Paper	Average
PET (#1) Bottle Bill Bottles	1.90%
Other PET (#1) Bottles	0.06%
#1PET Thermoforms	0.52%
HDPE (#2) Narrow Neck Bottles-Natural	0.50%
HDPE (#2) Narrow Neck Bottles-Colored	0.44%
#3-#7 Bottles	0.02%
Banned Polystyrene	0.04%
Other Polystyrene	0.80%
Plastic Flower Pots	0.09%
Other Plastic Containers/Tubs	2.24%
Film Plastic - Shopping Bags	0.77%
Film Plastic - Other	6.73%
Other Rigid Plastic	3.52%
Organic	
Food Waste - Vegetative	16.93%
Food Waste - Non-Vegetative	3.02%
Clothing/Linens/Textiles/Leather	3.83%
Carpets/Rugs/Carpet Padding	1.88%
Automobile Tires	0.10%
Diapers & Sanitary Products	2.82%
Fines	2.68%
Miscellaneous Organics	8.42%
Yard Waste	
Grass/Leaves	1.97%
Brush/Pruning	0.71%
Wood	
Lumber	1.99%
Pallets	1.21%
Other Wood	3.77%
Ferrous Metals	
Ferrous/Bi-metal Cans	0.40%
Other Ferrous	1.53%
Non-Ferrous Metals	
Aluminum Cans	0.38%
Aluminum Pans/Foil	0.29%
Other Non-Ferrous	0.26%
Glass	
Clear	1.36%
Brown	0.24%
Green	0.22%
Non-container Glass	0.21%
Inorganic	
Concrete/Brick/Rock	0.21%
Sheet Rock	0.74%
Latex Paints	0.04%
Fluorescent Lamps	0.00%
Electronics	1.40%
Miscellaneous Inorganic	3.42%
Hazardous	
Lead-Acid Batteries	0.00%
Other Rechargeable Batteries	0.00%
Other Batteries	0.00%
HW Containers	0.00%
Other Hazardous	0.01%

Table 6. Materials Flow Diagram Calendar Year 2019

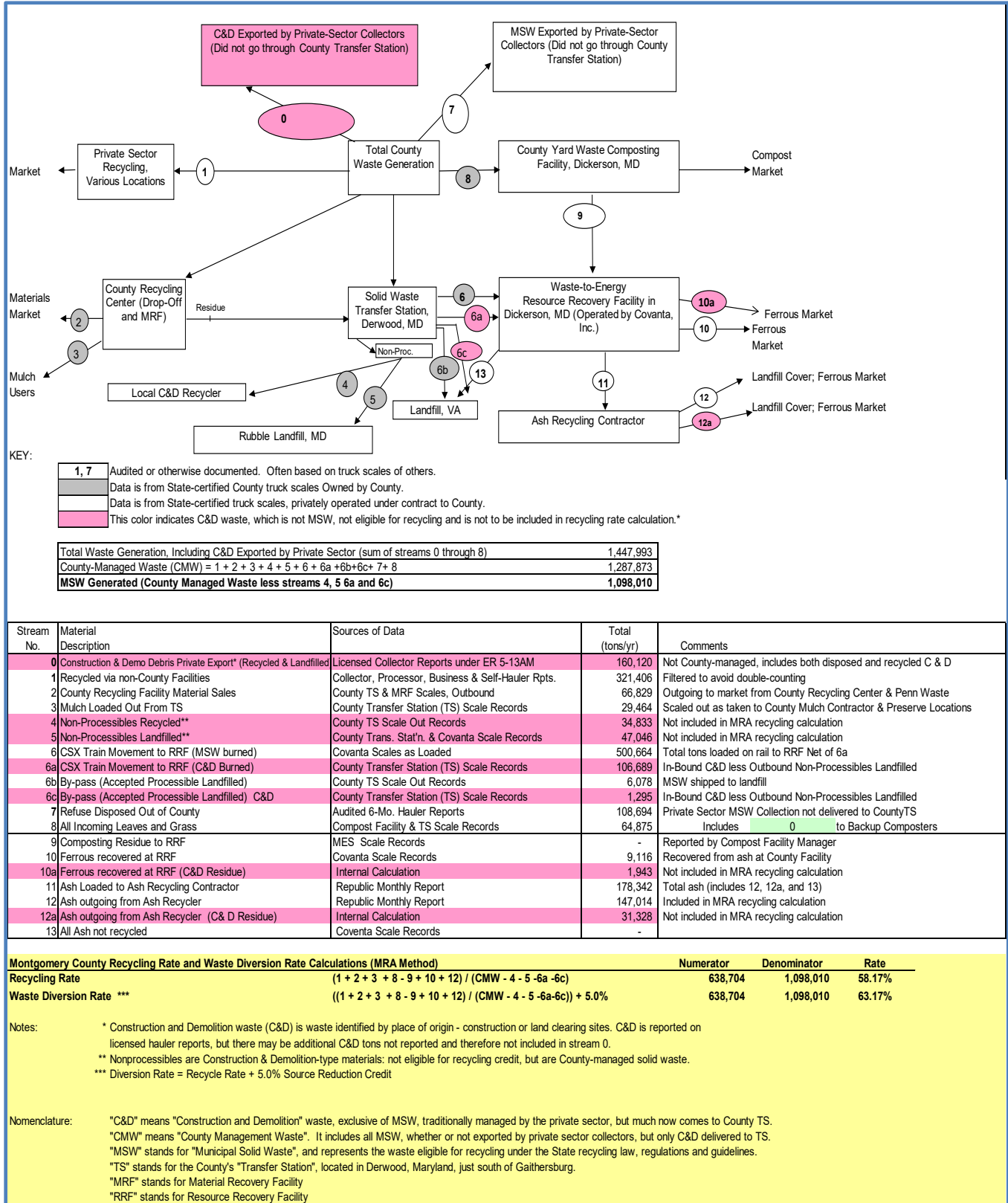


Table 7. Overall Waste Disposed and Recycled by Material Type 2019: Achievement and Opportunity in Montgomery County

Basis: CY19 actual recycled tonnages plus composition of the disposed waste from FY17 "Tip&Sort" applied to CY19 disposed waste tonnages.		CY19 Actuals											Opportunity			Currently Disposed (Tons)	
		Single-Family			Multi-Family			Non-Residential			Aggregate Actual CY19			Disposed by Sector (tons)			
		Generated (tons)	Captured (tons)	Capture Rate %	Generated (tons)	Captured (tons)	Capture Rate %	Generated (tons)	Captured (tons)	Capture Rate %	Generated (tons)	Captured (tons)	Capture Rate %	Single-Family	Multi-Family		Non-Residential
Banned ER1-15	Subtotal, Banned Components	273,535	215,202	78.7%	33,039	7,310	22.1%	314,632	233,215	74.1%	621,206	455,727	73.4%	58,333	25,730	81,417	165,479
	Paper	76,969	46,166	60.0%	14,991	2,819	18.8%	107,395	65,553	61.0%	199,356	114,537	57.5%	30,803	12,172	41,843	84,818
	Glass	17,695	12,511	70.7%	2,414	421	17.4%	8,201	4,171	50.9%	28,310	17,103	60.4%	5,184	1,993	4,030	11,207
	Other Ferrous	11,975	11,122	92.9%	3,337	1,344	40.3%	104,433	97,511	93.4%	119,745	109,977	91.8%	853	1,993	6,922	9,768
	Yardwaste	147,397	139,974	95.0%	5,117	2,585	50.5%	71,052	64,521	90.8%	223,566	207,080	92.6%	7,423	2,533	6,530	16,486
	Narrow-Neck Plastics	8,776	2,925	33.3%	3,388	29	0.9%	12,075	92	0.8%	24,240	3,047	12.6%	5,851	3,359	11,983	21,193
	Ferrous/Bimetal Containers	3,412	1,919	56.2%	756	101	13.4%	1,545	1,261	81.6%	5,713	3,281	57.4%	1,493	655	284	2,433
	Aluminum Beverage Cans	1,500	463	30.9%	522	10	1.8%	920	102	11.1%	2,942	575	19.6%	1,037	512	818	2,367
	Plastic Tubs/ Lids	4,412	103	2.3%	1,700	1	0.1%	7,811	3	0.0%	13,923	108	0.8%	4,309	1,699	7,808	13,815
	Other Aluminum (Pans/ Foil)	410	18	4.5%	216	0	0.1%	1,169	1	0.0%	1,795	19	1.1%	392	216	1,168	1,776
	Other Non-Ferrous Metal	988	-	-	597	-	-	32	0	-	1,617	0	-	988	597	32	1,617
Potential and Encouraged	Food Waste	43,679	842	1.9%	16,854	157	0.9%	69,751	6,544	9.4%	130,285	7,543	5.8%	42,837	16,697	63,207	122,741
	Non-Recyclable Paper	19,266	-	-	7,552	-	-	24,918	-	-	51,736	-	-	19,266	7,552	24,918	51,736
	Manure	-	-	-	-	-	-	2,707	2,707	100.0%	2,707	2,707	100.0%	-	-	-	-
	Shopping Bags	1,914	-	-	713	-	-	2,173	51	2.4%	4,800	51	1.1%	1,914	713	2,122	4,749
	Other Film Plastic	13,593	-	-	5,616	-	-	22,733	535	2.4%	41,942	535	1.3%	13,593	5,616	22,198	41,408
	Other Rigid Plastic (inc. Flower Pots)	8,830	1,359	15.4%	2,990	161	5.4%	14,581	2,636	18.1%	26,401	4,157	15.7%	7,471	2,829	11,945	22,245
	Textiles/ Leather/ Carpets	12,025	78	0.6%	5,798	15	0.3%	23,139	5,712	24.7%	40,961	5,805	14.2%	11,947	5,783	17,426	35,156
	Wood Waste (inc. Pallets)	4,834	-	-	2,441	36	1.5%	15,425	2,999	19.4%	22,700	3,035	13.4%	4,834	2,405	12,426	19,666
	Whole Tires (as Rubber)	2,945	2,935	99.7%	1,296	734	56.6%	3,692	3,669	99.4%	7,932	7,338	92.5%	9	562	23	594
	Electronics	7,138	1,313	18.4%	2,786	13	0.5%	951	951	100.0%	10,875	2,278	20.9%	5,824	2,773	-	8,597
	Batteries	120	103	86.0%	5	3	60.8%	909	909	100.0%	1,034	1,016	98.2%	17	2	-	19
Animal Protein	-	-	-	-	-	-	924	924	100.0%	924	924	100.0%	-	-	-	-	
No Markets	Other Wood	5,598	-	-	189	-	-	17,406	-	-	23,193	-	-	-	-	-	-
	Other Glass	790	-	-	489	-	-	29	-	-	1,308	-	-	-	-	-	-
	Disposable Diapers	8,998	-	-	2,754	-	-	5,585	-	-	17,337	-	-	-	-	-	-
	Other Waste	37,322	127	-	16,162	1	-	39,183	446	-	92,667	574	-	-	-	-	-
RRF Ash	-	63,498	-	-	19,467	-	-	64,049	-	-	147,014	-	-	-	-	-	
TOTAL	440,588	285,459	64.8%	98,685	27,897	28.3%	558,738	325,347	58.2%	1,098,010	638,704	58.2%	166,046	70,661	235,683	472,389	

Notes:
Banned ER1-15: These materials are required to be recycled under Executive Regulation 1-15, and are banned from disposal in waste from all sectors.
Potential and Encouraged: Markets vary for these materials. Although not subject to the disposal ban, recycling is encouraged for all materials for which there are available markets.
No Markets: No existing or anticipated markets for these materials.

Table 8. Solid Waste Acceptance and Major Composting Facilities Located in Montgomery County

Facility Type/Name	Location (Maryland Grid Coordinates)	Size (Acres)	Owner	Permit Type	Operating Status	Remaining Life	Types of Waste	Annual Tons ⁵
Construction Debris Reclamation Facilities C&D Recovery LLC Processing Facility	24120 Frederick Rd Clarksburg (1226619, 578608)	10.81	Environmental Alternatives Reclamation, Inc.	Refuse Disposal Processing Facility	Active	Indefinite	Construction and demolition debris	75,849
Transfer Station, Public Shady Grove Processing Facility and Transfer Station	16101 Frederick Rd Derwood (1263505, 529641)	43.12	Montgomery County	Refuse Disposal and Transfer Station Facility	Active	Indefinite	Solid Waste Non-processible waste, Yard trim	608,309 56,521 ⁶ 55,480 29,009
Resource Recovery Facilities Montgomery County Resource Recovery Facility	21204 Martinsburg Rd Dickerson (1183469, 559168)	35	Montgomery County (land); Northeast MD Waste Disposal Authority (RRF)	Refuse Disposal Permit	Active	Indefinite	Solid Waste Shipped by Rail (includes some C&D)	575,162
Site 2 Landfill Site (land held in reserve, see Section 3.3.1.7)	20130 Wasche Rd Dickerson (1183472, 553143)	820	Montgomery County	Refuse Disposal Permit	Land reserved for possible future need	--	--	--
Composting Facilities Montgomery County Yard Trim Compost Facility	21210 Martinsburg Rd Dickerson (1185038, 558347)	49	Montgomery County	Composting	Active	Indefinite	Yard Trim	55,480
ACME Biomass Reduction, Inc. Composting Facility	21601 New Hampshire Av Brookville	107.5	Robert Turner	Composting Permit	Active	Indefinite	Yard Trimmings	19,000

⁵ Annual tons received by County Facilities are based on the materials flow diagram used for the MRA report.

⁶ Non-burnable materials.