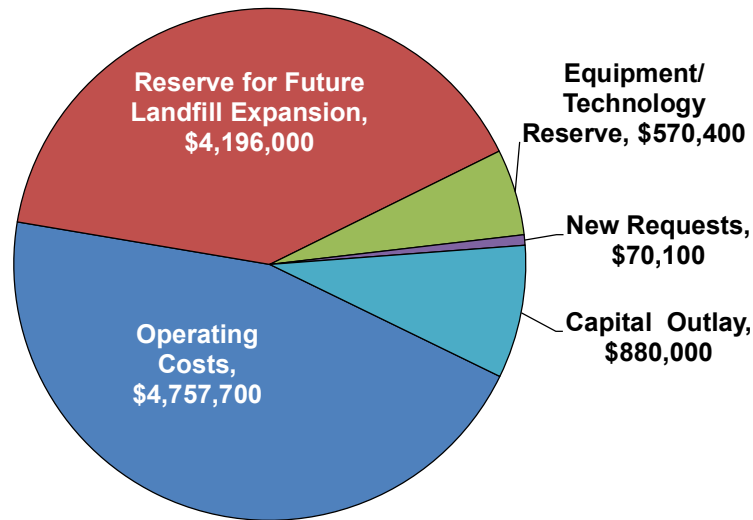


**FISCAL YEAR 2022**  
**Landfill Operations**  
**Total Budget: \$10,474,200**

The landfill operation was established as an enterprise fund for the purpose of charging user fees to the customers of the landfill in order to recover 100% of the operating cost. The fund pays for all related operating costs and provides a reserve for future landfill expansion and closing costs. The FY2022 proposed budget includes funding for 39.9 full-time equivalent positions.



	FY2021 Adopted	FY2022 Requested	FY2022 Proposed	Variance	% Change
Revenues	\$9,098,100	\$9,245,100	\$9,245,100	\$147,000	1.6%
Expenditures	9,306,100	9,524,100	9,594,200	218,000	2.3%
<b>Baseline Surplus/(Deficit)</b>	<b>(\$208,000)</b>	<b>(\$279,000)</b>	<b>(\$349,100)</b>	<b>(\$71,000)</b>	
New Request		(70,100)	0	(70,100)	
<b>Subtotal</b>	<b>(\$208,000)</b>	<b>(\$349,100)</b>	<b>(\$349,100)</b>	<b>(\$141,100)</b>	
Use of Fund Balance - One time items	208,000	0	0	(208,000)	
<b>Total Surplus / (Deficit)</b>	<b>\$0</b>	<b>(\$349,100)</b>	<b>(\$349,100)</b>	<b>(\$349,100)</b>	
Equipment/Tech. Reserve	\$926,000	\$880,000	\$880,000	(\$46,000)	
Capital New & Replacement	(926,000)	(880,000)	(880,000)	46,000	
<b>Surplus / (Deficit)</b>	<b>\$0</b>	<b>(\$349,100)</b>	<b>(\$349,100)</b>	<b>(\$349,100)</b>	

\$1.00 increase on the Tipping Fee adjusts revenues by \$112,788

<b><u>Baseline Changes:</u></b>	<b><u>Change</u></b>
<b>Increase in Operating Revenues</b> Based on current activity.	\$147,000
<b>Landfill Expansion/Closure Cost</b> For the future development of the remaining space at the Landfill.	(159,800)
<b>Contract Services</b> Additional landfill gas contractor work in order to install flares for landfill gas ventilation and flaring.	(100,000)
<b>Personal Services/Fringe Benefits</b> Based on current staffing which includes the full year impact of the classification and compensation study that was approved in FY2021, as well as the full year impact of FY2021 New Positions.	(71,900)
<b>Debt Service</b> Includes debt payment related to various Capital Improvement Projects and leases for various equipment.	(45,700)
<b>Increase in Agency Funding</b> Landfill's contribution towards Other Post Employment Benefits (OPEB).	(27,200)
<b>Increase in Leachate Disposal</b> Due to the cost of the construction of cell 4.	(22,000)
<b>Miscellaneous adjustments in other accounts.</b>	600
<b>Total Baseline Surplus/(Deficit)</b>	<b>(\$279,000)</b>

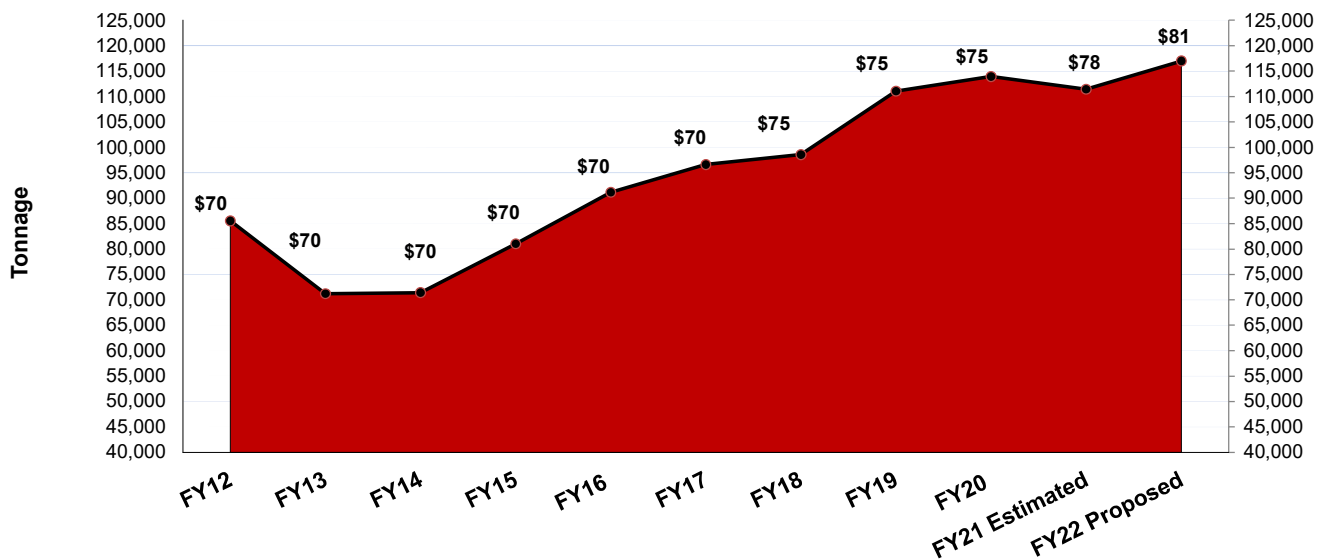
<b><u>New Requests for FY2022:</u></b>	<b><u>Request</u></b>
<b>Increase in Indirect Cost Allocation: Workers Comp Specialist</b> <i>Landfill Fund support of new position being requested in the General Fund.</i>	(19,100)
<b>Increase in Indirect Cost Allocation: Accounts Payable Manager</b> <i>Landfill Fund support of new position being requested in the General Fund.</i>	(11,300)
<b>Excavator</b> <i>Excavator needed in landfill for excavation of slopes for proper drainage and filling</i>	Total Value: \$300,000      Lease Value      (31,600)
<b>Zero Turn Mower</b> <i>To help expedite mowing as the site becomes larger.</i>	Total Value: \$17,500      Lease Value      (1,900)
<b>Wooden Deck Dual Axle Trailer</b> <i>Trailer to be pulled by tractor to carry straw blower and straw for covering slopes. As the landfill expands and approaches capacity, more and more slopes need to be strawed for stability.</i>	Direct Purchase      (6,200)
	(70,100)
	Surplus/(Deficit)      (\$349,100)

## Landfill Fees:

	<u>FY2021</u>	<u>FY2022</u>
Tipping Fee	\$78 per ton	\$81 per ton
Tag-A-Bag	\$2.25 per tag	\$2.25 per tag
Car/Van/SUV	\$5 per load	\$5 per load
Pick Up Truck without trailer	\$15 per load	\$15 per load
Vehicles with trailer	\$78 per ton /	\$81 per ton /
Weigh In	\$15 min fee	\$15 min fee
Commercial Vehicle	\$15 per load	\$15 per load
Bulk Rate		
Contaminated Soil for Commercial	\$78 per ton	\$81 per ton
Generators		
Open Top Roll-Off Container*	\$85 per ton	\$88 per ton

*\*Bulky material received from open roll-off containers is more costly to handle. These wastes do not decay, are difficult to compact, and can damage equipment.*

## Tons of Refuse



# LANDFILL FUND

	FY2021 Adopted	FY2022 Request	FY2022 Proposed	Variance	% Change
<b><u>Revenue</u></b>					
Tipping Fees	\$8,888,000	\$9,040,100	\$9,040,100	\$152,100	1.7%
Tag-a-bag Fees @ \$2.25 per bag	200,000	200,000	200,000	0	0.0%
Permits & Miscellaneous	10,100	5,000	5,000	(5,100)	-50.5%
Total Operating Revenues	\$9,098,100	\$9,245,100	\$9,245,100	\$147,000	1.6%
Use of Fund Balance*	208,000	0	0	(208,000)	-100.0%
Total Revenues	\$9,306,100	\$9,245,100	\$9,245,100	(\$61,000)	-0.7%

<b><u>Expenditures</u></b>					
Salary & Fringe	\$2,640,300	\$2,776,200	\$2,776,200	\$135,900	5.1%
Operating Costs	1,614,700	1,584,100	1,614,500	(200)	0.0%
Debt Service	249,200	294,900	328,400	79,200	31.8%
Operating Contingency	137,300	102,500	102,500	(34,800)	-25.3%
Capital Outlay	58,000	0	6,200	(51,800)	-89.3%
Landfill Expansion/Closure Reserve	4,036,200	4,196,000	4,196,000	159,800	4.0%
Equipment/Technology Reserve	570,400	570,400	570,400	0	0.0%
Total Baseline Expenditures	\$9,306,100	\$9,524,100	\$9,594,200	\$288,100	3.1%
New Requests	0	70,100		\$0	
Total Expenditures	\$9,306,100	\$9,594,200	\$9,594,200	\$288,100	3.1%
Operating Surplus/(Deficit)	\$0	(\$349,100)	(\$349,100)	(\$349,100)	

## **Equipment/Technology Reserve**

Equipment/Technology Reserve	926,000	880,000	880,000	(46,000)	-5.0%
Use of Reserve	(926,000)	(880,000)	(880,000)	46,000	-5.0%
Total Other Uses	\$0	\$0	\$0	\$0	
Total Surplus/(Deficit)	\$0	(\$349,100)	(\$349,100)	(\$349,100)	

## **Replacement Capital -**

<b><u>Use of Equipment/Technology Reserve</u></b>			<b><u>Cost</u></b>
Water Truck			\$205,000
<i>S23- 2003 w/ 30,000 miles. Vehicle is becoming costly to repair. Vehicle meets age requirements for replacement. Vehicle is rusting out due to muddy conditions on landfill.</i>			
Low Boy Trailer			75,000
<i>S43 - 2006. Equipment needs costly repairs due to age and rust. A new low boy is needed to haul equipment to repair facilities and various recycling centers.</i>			
Track Loader			600,000
<i>S64 - 2013 w/ 8,000 hours. Equipment is becoming costly to repair based on hours. A new track loader is needed to process waste on landfill working face.</i>			
			<hr/> \$880,000

**LANDFILL  
FUND**

(\$ in thousands)

**FY2022-FY2026 OPERATING PLAN**

	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>
<b>Revenues</b>					
Operating Revenues	\$9,245.1	\$9,336.3	\$9,427.5	\$9,518.7	\$9,611.0
Fund Balance/ Capital Reserve	880.0	600.8	13.0	0.0	214.6
<b>Revenues</b>	<b>\$10,125.1</b>	<b>\$9,937.1</b>	<b>\$9,440.5</b>	<b>\$9,518.7</b>	<b>\$9,825.6</b>
<b>Expenses</b>					
Operating Expenses	\$9,265.8	\$9,438.6	\$9,692.1	\$9,980.2	\$10,280.2
Capital Outlay	880.0	600.8	13.0	0.0	214.6
Debt Service	328.4	405.6	444.6	412.8	346.1
<b>Expenses</b>	<b>\$10,474.2</b>	<b>\$10,445.0</b>	<b>\$10,149.7</b>	<b>\$10,393.0</b>	<b>\$10,840.9</b>
<b>Surplus\Deficit:</b>	<b>(\$349.1)</b>	<b>(\$507.9)</b>	<b>(\$709.2)</b>	<b>(\$874.3)</b>	<b>(\$1,015.3)</b>
Estimated Annual Tipping Fee Adjustment:	<b>\$3</b>	<b>\$1</b>	<b>\$2</b>	<b>\$1</b>	<b>\$1</b>
Tipping Fee	<b>\$81</b>	<b>\$82</b>	<b>\$84</b>	<b>\$85</b>	<b>\$86</b>
% rate change	3.8%	1.2%	2.4%	1.2%	1.2%

**FY2022-FY2026 CAPITAL IMPROVEMENT PLAN**

	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>Total '22-'26</u>
<b>Capital Costs:</b>						
Landfill Cell No. 4A Expansion*	3,018	0	0	0	0	3,018
Landfill Leachate Management System**	1,348	0	0	0	0	1,348
Landfill Gas to Energy*	55	925	900	881	806	3,567
Total without inflation	\$4,421	\$925	\$900	\$881	\$806	\$7,933
Contingency - inflation	0	0	0	0	0	0
<b>Total</b>	<b>\$4,421</b>	<b>\$925</b>	<b>\$900</b>	<b>\$881</b>	<b>\$806</b>	<b>\$7,933</b>
<b>Finance Sources</b>						
Capital Budget Reserve*	\$9,554	\$925	\$900	\$881	\$806	\$13,066
Bonds**	(\$5,133)	0	0	0	0	(5,133)
<b>Total</b>	<b>\$4,421</b>	<b>\$925</b>	<b>\$900</b>	<b>\$881</b>	<b>\$806</b>	<b>\$7,933</b>
Cumulative Debt Service (New Bonds- lag one year)	\$479.6	\$22.7	\$22.7	\$22.7	\$22.7	
Cumulative Operating Impact	0.0	76.2	79.3	82.4	85.6	

\*Indicates projects to be funded by the Capital Budget Reserve.

\*\*The funding source for the Landfill Leachate Management System is being switched from Bonds funded to Capital Project Reserve funded.

# PROPOSED CAPITAL IMPROVEMENT PROGRAM

## FISCAL YEAR 2022

(\$ in thousands)

<b>PROJECT NAME:</b>					<b>Requested By:</b> DPW
<b>Landfill Leachate Management System</b>					<b>Project #:</b> 8041
					<b>Resilience Authority:</b> N
Design and construct a leachate management system to handle the excess leachate volume generated with the development of Cells 2B/3B and proposed Cell #4A. The leachate system will consist of the construction of a secondary containment system around the existing leachate storage tanks, a leachate pretreatment facility, and a pump station and force main to pump the pretreated leachate to the sewer system in Billingsley Road.					
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)					
<b>VARIANCE TO APPROVED PER FY21-FY25 CAPITAL IMPROVEMENT PROGRAM:</b>					
	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>TOTAL</b>
Approved FY21-FY25 CIP	\$1,346	\$0	\$0	\$0	\$1,346
<b>Increase/(Decrease)</b>	<b>\$2</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2</b>
<b>% change</b>	<b>0.1%</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>0.1%</b>

EXPENSE BUDGET	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5-Year	Approp. thru FY21	Beyond FY 2026	Project Total
						Total '22-'26			
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$460	\$0	\$460
Land & ROW	0	0	0	0	0	0	20	0	20
Construction	1,000	0	0	0	0	1,000	4,075	0	5,075
Equipment	0	0	0	0	0	0	0	0	0
Administration	124	0	0	0	0	124	242	0	366
Administration - FAS	5	0	0	0	0	5	9	0	14
Inspection	100	0	0	0	0	100	251	0	351
Miscellaneous	19	0	0	0	0	19	31	0	50
Contingency	100	0	0	0	0	100	408	0	508
<b>Total Outlay</b>	<b>\$1,348</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,348</b>	<b>\$5,496</b>	<b>\$0</b>	<b>\$6,844</b>

FINANCING SOURCES	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5-Year Total '22-'26	Approp. thru FY21	Beyond FY 2026	Project Total
Bonds	(\$5,133)	\$0	\$0	\$0	\$0	(\$5,133)	\$5,496	\$0	\$363
Capital Budget Reserve	6,481	0	0	0	0	6,481	0	0	6,481
Operating Transfer	0	0	0	0	0	0	0	0	0
<b>Total County Funding</b>	<b>\$1,348</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,348</b>	<b>\$5,496</b>	<b>\$0</b>	<b>\$6,844</b>
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
<b>Total Funding</b>	<b>\$1,348</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,348</b>	<b>\$5,496</b>	<b>\$0</b>	<b>\$6,844</b>

Operating Budget Impact	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Approp. thru FY21	Beyond FY 2026
						0.00	0.00
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Operating</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>
Debt Service: Bonds	479.6	22.7	22.7	22.7	22.7	479.6	22.7
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Impact</b>	<b>\$479.6</b>	<b>\$22.7</b>	<b>\$22.7</b>	<b>\$22.7</b>	<b>\$22.7</b>	<b>\$479.6</b>	<b>\$22.7</b>

Increase to Annual Tipping fee:	\$6.47	\$0.31	\$0.31	\$0.31	\$0.31	\$6.98	\$0.31
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<b>LOCATION:</b>	<b>COMMISSIONER DISTRICT:</b>
Charles County Landfill, Waldorf Maryland	4

# PROPOSED CAPITAL IMPROVEMENT PROGRAM

## FISCAL YEAR 2022

(\$ in thousands)

<b>PROJECT NAME:</b> <b>Landfill Cell #4 Expansion</b>	<b>Requested By:</b> DPW <b>Project #:</b> 8092 <b>Resilience Authority:</b> N
Design and construct landfill Cell #4 which will provide approximately 18.1 additional acres of capacity to the existing landfill facility. Cell #4 is the final cell to be constructed under the landfill permit.	
Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1)	
<b>PRIORITY</b>	
<b>VARIANCE TO APPROVED PER FY21-FY25 CAPITAL IMPROVEMENT PROGRAM:</b>	
	Revised description/scope to place entirety of Cell 4 (18.1 acres) into operation instead of only 13 acres of thus facilitating the need to increase the budget to coincide with the new acreage.
FY 2022    FY 2023    FY 2024    FY 2025	TOTAL
Approved FY21-FY25 CIP	\$0
<b>Increase/(Decrease)</b>	<b>\$3,018</b>
% change	new

EXPENSE BUDGET	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5-Year Total '22-'26	Approp. thru FY21	Beyond FY 2026	Project Total
Architectural & Engineering	\$75	\$0	\$0	\$0	\$0	\$75	\$530	\$0	\$605
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	2,500	0	0	0	0	2,500	6,880	0	9,380
Equipment	0	0	0	0	0	0	0	0	0
Administration	5	0	0	0	0	5	297	0	302
Administration - FAS	5	0	0	0	0	5	15	0	20
Inspection	163	0	0	0	0	163	230	0	393
Miscellaneous	20	0	0	0	0	20	73	0	93
Contingency	250	0	0	0	0	250	730	0	980
<b>Total Outlay</b>	<b>\$3,018</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,018</b>	<b>\$8,755</b>	<b>\$0</b>	<b>\$11,773</b>

FINANCING SOURCES	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5-Year Total '22-'26	Approp. thru FY21	Beyond FY 2026	Project Total
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital Budget Reserve	3,018	0	0	0	0	3,018	8,755	0	11,773
Operating Transfer	0	0	0	0	0	0	0	0	0
<b>Total County Funding</b>	<b>\$3,018</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,018</b>	<b>\$8,755</b>	<b>\$0</b>	<b>\$11,773</b>
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
<b>Total Funding</b>	<b>\$3,018</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,018</b>	<b>\$8,755</b>	<b>\$0</b>	<b>\$11,773</b>

Operating Budget Impact	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Approp. thru FY21	Beyond FY 2026
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Operating</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>
Debt Service: Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Impact</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>
Increase to Annual Tipping fee:	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

<b>LOCATION:</b>	<b>COMMISSIONER DISTRICT:</b>
Charles County Landfill, Waldorf Maryland	4

# PROPOSED CAPITAL IMPROVEMENT PROGRAM

## FISCAL YEAR 2022

(\$ in thousands)

<b>PROJECT NAME:</b> <b>Landfill Gas to Energy</b>	<b>Requested By:</b> DPW <b>Project #:</b> <b>Resilience Authority:</b> Y
<p>The Charles County Landfill #2 was designed with a capacity to accept 4,374,700 cubic yards of refuse. The landfill currently has a passive landfill gas (LFG) system that flares off LFG. While the current system is within regulation, it is the least effective system for capturing methane. LFG to Energy projects help curtail global climate change by reducing methane emissions, a greenhouse gas more potent than CO2. This CIP will evaluate possible Landfill gas extraction, assess projects' feasibilities, and prepare cost analyses during Phase 1. During Phase 2, this project will design, permit, and install a landfill gas to energy system.</p>	
<p>Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1)</p>	
<b>VARIANCE TO APPROVED PER FY21-FY25 CAPITAL IMPROVEMENT PROGRAM:</b>	
<b>FY 2022</b> <b>FY 2023</b> <b>FY 2024</b> <b>FY 2025</b>	<b>TOTAL</b>
Approved FY21-FY25 CIP	\$0   \$0   \$0   \$0
<b>Increase/(Decrease)</b>	<b>\$55   \$925   \$900   \$881</b>
<b>% change</b>	<b>new   new   new   new</b>
<p><i>Since modifications to the existing landfill gas system may be needed, it is important to start the analysis to avoid duplication of effort and wasted resources.</i></p>	

EXPENSE BUDGET	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5-Year Total '22-'26	Approp. thru FY21	Beyond FY 2026	Project Total
Architectural & Engineering	\$50	\$100	\$75	\$75	\$0	\$300	\$0	\$0	\$300
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	800	800	800	800	3,200	0	0	3,200
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	0	0	0	0	0	0	0	0
Administration - FAS	5	5	5	6	6	27	0	0	27
Inspection	0	20	20	0	0	40	0	0	40
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0
<b>Total Outlay</b>	<b>\$55</b>	<b>\$925</b>	<b>\$900</b>	<b>\$881</b>	<b>\$806</b>	<b>\$3,567</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,567</b>

FINANCING SOURCES	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026				
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital Budget Reserve	55	925	900	881	806	3,567	0	0	3,567
Operating Transfer	0	0	0	0	0	0	0	0	0
<b>Total County Funding</b>	<b>\$55</b>	<b>\$925</b>	<b>\$900</b>	<b>\$881</b>	<b>\$806</b>	<b>\$3,567</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,567</b>
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
<b>Total Funding</b>	<b>\$55</b>	<b>\$925</b>	<b>\$900</b>	<b>\$881</b>	<b>\$806</b>	<b>\$3,567</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,567</b>

Operating Budget Impact	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Approp. thru FY21	Beyond FY 2026
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	75.0	78.0	81.1	84.3	0.0	87.7
Operating	0.0	1.2	1.3	1.3	1.3	0.0	1.4
<b>Total Operating</b>	<b>\$0.0</b>	<b>\$76.2</b>	<b>\$79.3</b>	<b>\$82.4</b>	<b>\$85.6</b>	<b>\$0.0</b>	<b>\$89.1</b>
Debt Service: Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Impact</b>	<b>\$0.0</b>	<b>\$76.2</b>	<b>\$79.3</b>	<b>\$82.4</b>	<b>\$85.6</b>	<b>\$0.0</b>	<b>\$89.1</b>

Increase to Annual Tipping fee:	\$0.00	\$1.03	\$1.07	\$1.11	\$1.15	\$0.00	\$1.20
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<b>LOCATION:</b>	<b>COMMISSIONER DISTRICT:</b>
Charles County Landfill, Waldorf Maryland	

## Solid Waste

**Department:** Public Works - Facilities 27.05.38  
**Division \ Program:** Landfill Fund: Enterprise  
**Program Administrator:** Frances Sherman, Chief of Environmental Resources  
<http://www.charlescountymd.gov/pw/landfill/landfill-operations>

Expenditure Category	FY2020 Actual	FY2021 Adopted	FY2022 Request	FY2022 Adopted	\$ Change from FY2021	% Chg.
Personal Services	\$1,705,997	\$1,972,800	\$2,036,800	\$2,036,800	\$64,000	3.2%
Fringe Benefits	602,606	667,500	675,400	675,400	7,900	1.2%
Operating Costs	1,174,929	1,577,900	1,584,100	1,614,500	36,600	2.3%
Debt Service	157,954	249,200	294,900	328,400	79,200	31.8%
Agency Funding	32,700	36,800	64,000	64,000	27,200	73.9%
Operating Contingency	0	137,300	102,500	102,500	(34,800)	-25.3%
Landfill Expansion/Closure	3,674,100	4,036,200	4,196,000	4,196,000	159,800	4.0%
Capital Outlay	1,011,813	984,000	880,000	886,200	(97,800)	-9.9%
Equipment/Tech Reserve	570,400	570,400	570,400	570,400	0	0.0%
<b>Total Baseline</b>	<b>\$8,930,498</b>	<b>\$10,232,100</b>	<b>\$10,404,100</b>	<b>\$10,474,200</b>	<b>\$242,100</b>	<b>2.4%</b>
New Requests	0	0	70,100		0	N/A
<b>Total Expenditures</b>	<b>\$8,930,498</b>	<b>\$10,232,100</b>	<b>\$10,474,200</b>	<b>\$10,474,200</b>	<b>\$242,100</b>	<b>2.4%</b>

### Changes and Useful Information:

- **Personal Services** and **Fringe Benefits** increase includes the full year impact of the classification and compensation study, as well as the full year impact of FY2021 New Positions.
- The **Operating Costs** increase is due to:
  - The Proposed Indirect Cost budget increase includes support of the new Workers Comp Specialist Position and Accounts Payable Manager that will be in the General Fund and supports the Adobe renewal, phone reimbursements, and iPad service for 4 iPads. Total increase: \$45,700
  - Leachate Disposal was increased by \$22,000 as the construction of cell 4 will result in an increase of leachate.
  - Property and Liability Insurance increased by \$5,300 to cover projected increases.
  - Credit Card Processing increased by \$3,200 based on prior years.
  - Office Supplies decreased by (\$200) based on the amended budget.
  - Computer Allocation decreased by (\$1,000) due to one time costs for an FY2021 New Position.
  - Phone Reimbursements decreased by (\$1,400). These expenses are now charged to an IT account for better tracking.
  - Utilities decreased by (\$2,000) based on prior year actuals.
  - Telephone budget was reduced by (\$5,000) and these costs are now included in IT's budget for better tracking.
  - Equipment decreased by (\$6,000) due to one time costs for FY2021.
  - Contract Services was reduced by (\$9,000) based on current needs for FY2022.
  - Vehicle Fuel decreased by (\$15,000) based on current fuel prices.
- **Debt Service** includes debt payments related to the Landfill's Capital Improvement Program, and funding to bank finance the replacement of various vehicles and equipment.
  - The Debt Service budget includes funding to bank finance a new Excavator and new Zero Turn Mower.
- **Agency Funding** supports the Landfill's contribution towards Other Post Employment Benefits (OPEB).
- **Operating Contingency** is to cover potential salary increases and expenditures shortfalls.
- The **Landfill Expansion/Closure** budget funds the future development of the remaining space at the Landfill.
- The **Capital Outlay** budget is to replace various equipment and vehicles.
  - This budget includes direct purchasing a new Wooden Deck Dual Axle Trailer.

## Solid Waste

<b>Department:</b>	Public Works - Facilities		27.05.38
<b>Division \ Program:</b>	Landfill	Fund:	Enterprise
<b>Program Administrator:</b>	Frances Sherman, Chief of Environmental Resources		
<a href="http://www.charlescountymd.gov/pw/landfill/landfill-operations">http://www.charlescountymd.gov/pw/landfill/landfill-operations</a>			

### **Description:**

The Charles County Sanitary Landfill is a modern composite lined landfill opened in July 1994. Located on Billingsley Road East, it features a citizen's recycling-disposal center, a vehicle/equipment maintenance facility, and leachate collection center. The Landfill was designed to accommodate 800 lbs. of refuse per cubic yard, with a 12 year, 8 month life. Due to the higher goal of a compaction rate of at least 1,200 lbs. per cubic yard, and the use of alternative daily cover material, the landfill is currently estimated to last beyond 2038 due to the utilization of a transfer facility which will allow for disposal options outside of the County's jurisdiction.

### **Positions:**

	<b><u>FY18</u></b>	<b><u>FY19</u></b>	<b><u>FY20</u></b>	<b><u>FY21</u></b>	<b><u>FY22</u></b>
Title	<b><u>FTE</u></b>	<b><u>FTE</u></b>	<b><u>FTE</u></b>	<b><u>FTE</u></b>	<b><u>FTE</u></b>
Director of Public Works	0.1	0.1	0.1	0.1	0.1
Deputy Dir of Public Works - Facilities	0.2	0.2	0.2	0.2	0.2
Chief of Environmental Resources	0.8	0.8	0.8	0.8	0.8
DPW Project and Program Manager	0.2	0.2	0.2	0.2	0.2
Scale House Manager	1.0	1.0	1.0	1.0	1.0
Landfill & Recycling Site Superintendent	1.0	1.0	1.0	1.0	1.0
Landfill Equipment Technician Team Leader	1.0	1.0	1.0	1.0	1.0
Landfill Equipment Technician	2.0	2.0	2.0	2.0	2.0
Small Engine Technician	1.0	1.0	1.0	1.0	1.0
Management Support Specialist	0.2	0.2	0.2	0.2	0.2
Administrative Associate	1.2	1.2	1.2	1.2	1.2
Scale House Team Leader	1.0	1.0	1.0	1.0	1.0
Landfill Equipment Operator Team Leader	2.0	2.0	2.0	2.0	2.0
Equipment Operator II - IV	7.0	7.0	7.0	7.0	7.0
Weigh Clerk	2.0	4.0	5.0	5.0	5.0
Inventory Equipment Manager	0.0	0.0	0.0	1.0	1.0
Office Associate II	0.0	0.0	1.0	1.0	1.0
Landfill Solid Waster Worker Team Leader	1.0	1.0	1.0	1.0	1.0
Solid Waste Worker	7.0	7.0	8.0	10.0	10.0
Part Time Positions	4.8	3.2	3.2	3.2	3.2
<b>Total Full Time Equivalent</b>	<b>33.5</b>	<b>33.9</b>	<b>36.9</b>	<b>39.9</b>	<b>39.9</b>

### **Objectives & Measurements:**

	<b><u>FY18</u></b>	<b><u>FY19</u></b>	<b><u>FY20</u></b>	<b><u>FY21</u></b>	<b><u>FY22</u></b>
	<b><u>Actual</u></b>	<b><u>Actual</u></b>	<b><u>Actual</u></b>	<b><u>Projected</u></b>	<b><u>Estimated</u></b>
Total Tons	102,152	114,669	111,368	115,600	120,000
Number of Patrons	94,430	97,479	86,244	89,000	92,000