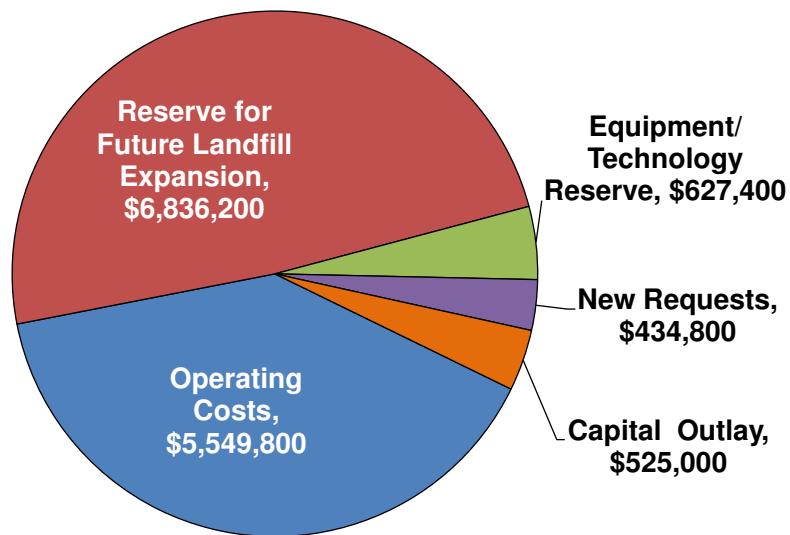


FISCAL YEAR 2024
Landfill Operations
Total Budget: \$13,973,200

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 FY2024 proposed budget includes funding for 40.1 full-time equivalent positions.



	FY2023 Adopted	FY2024 Proposed	Variance	% Change
Revenues	\$12,256,700	\$11,340,900	(\$915,800)	-7.5%
Expenditures	12,256,700	13,013,400	756,700	6.2%
Baseline Surplus/(Deficit)	\$0	(\$1,672,500)	(\$1,672,500)	
Use of Fund Balance - to support lower tons	0	915,800	915,800	
Revised Baseline Surplus/(Deficit)	\$0	(\$756,700)	(\$756,700)	
New Requests	(434,800)	(434,800)		
Subtotal	\$0	(\$1,191,500)	(\$1,191,500)	
Use of Fund Balance - one time items	0	415,000	415,000	
Total Surplus / (Deficit)	\$0	(\$776,500)	(\$776,500)	
Equipment/Tech. Reserve/Fund Balance	\$1,465,000	\$525,000	(\$940,000)	
Capital New & Replacement	(1,465,000)	(525,000)	940,000	
Surplus / (Deficit)	\$0	(\$776,500)	(\$776,500)	

\$1.00 increase on the Tipping Fee adjusts revenues by \$123,383.

Baseline Changes:	Change
Decrease in Operating Revenues	(\$915,800)
Based on current activity; tons being received at the Landfill have been 7.5% less than expected.	
Use of Fund Balance	915,800
To offset lower tons being received at the Landfill	
Landfill Expansion/Closure	(501,200)
Increase in Post-Closure costs due to inflation & increase construction costs for future expansion.	
Personal Services/Fringe Benefits	(212,100)
Based on current staffing which includes the full year impact of FY2023 salary increases, and funding to support potential FY2024 salary increases.	
Vehicle Fuel	(120,000)
Increasing by \$120,000 based on current trends.	
Miscellaneous adjustments in other accounts.	76,600
Total Baseline Surplus/(Deficit)	(\$756,700)

New Requests for FY2024:	Request
Sweeper Truck	(350,000)
Use of Fund Balance	350,000
<i>A sweeper truck is required to meet stormwater permit requirements to prevent tracking of mud and debris onto roadways at the landfill.</i>	
Truck Lift	(40,000)
Use of Fund Balance	40,000
<i>Truck lift needed to improve shop operations and increase in-house repairs for heavy equipment.</i>	
Utility Vehicle (UTV)	(25,000)
Use of Fund Balance	25,000
<i>A utility vehicle is needed to complete grounds maintenance tasks at the landfill to include landfill gas, stormwater, and leachate monitoring. UTV provides better versatility on rough terrain. The UTV will assist in transporting crews to the working face, reducing fuel and maintenance costs of untagged vehicles.</i>	

New Requests for FY2024 Contingent on General Fund & Other Enterprise Fund Support:	
DPW Program Support Manager FTE 0.10 July	(9,900)
<i>Position required to administer or oversee recruitment, training, and disciplinary processes for the Department of Public Works (DPW), including investigative functions and resource analysis. This position will be responsible for ensuring consistent application of processes among divisions. Funding to be split between various enterprise funds and the general fund. Approval of this position will be contingent on budget approval in the Inspection & Review Enterprise Fund, the Watershed Protection & Restoration Enterprise Fund, and the General Fund.</i>	
Assistant to the Director FTE 0.10 July	(9,900)
<i>Position required to provide administrative and operational support to the Director, Deputy Directors, and Chiefs. Position will be responsible for preparing materials and presentations, serving as the lead on administrative projects, ensuring compliance with County standard operating procedures, and preparing and submitting assigned reports. This position will also be responsible for all aspects of internal and external outreach efforts as well as grants management to include researching opportunities, monitoring funds, and preparing and submitting reports to oversight agencies. Funding to be split between various enterprise funds and the general fund. Approval of this position will be contingent on budget approval in the Inspection & Review Enterprise Fund, the Watershed Protection & Restoration Enterprise Fund, and the General Fund.</i>	
	(\$19,800)
Surplus/(Deficit)	(\$776,500)

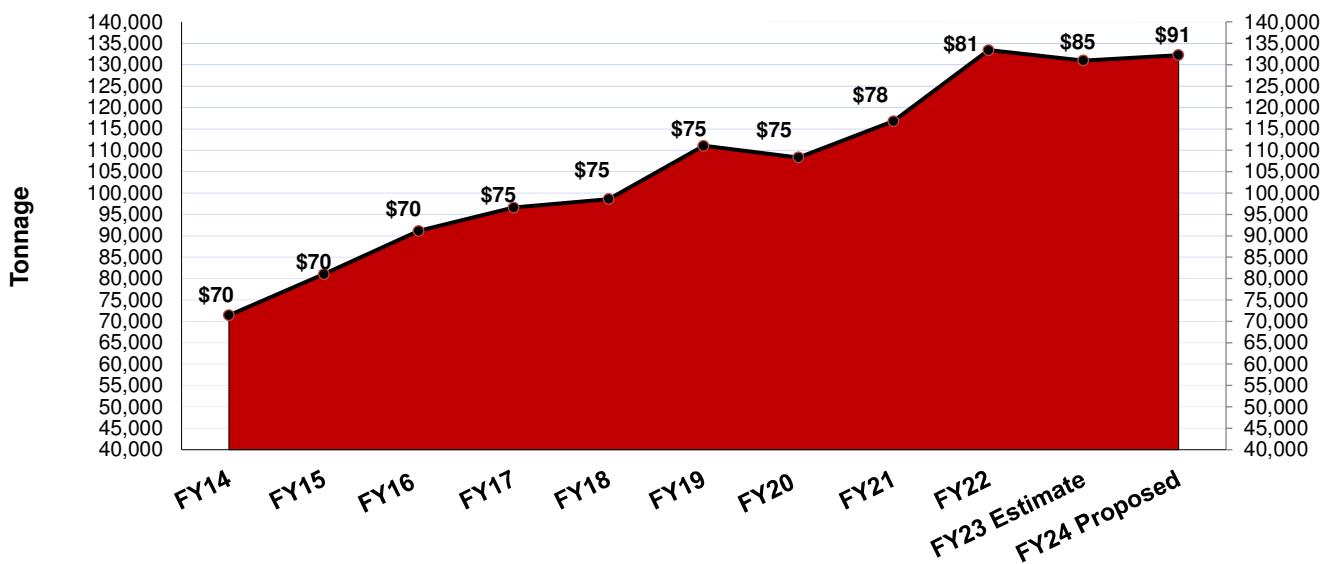
Landfill Tipping Fee Change:		
FY2023 Tipping Fee (per ton)	\$85	
Change needed to balance the FY2024 Budget	\$6	
FY2024 Proposed Tipping Fee (per ton)	\$91	

Landfill Fees:

	<u>FY2023</u>	<u>FY2024</u>
Tipping Fee		\$91 per ton / \$85 per ton \$15 min fee
Tag-A-Bag	\$2.25 per tag	\$2.25 per tag
Car/Van/SUV	\$5 per load	\$5 per load
Car/Van/SUV mixed loads	\$10 per load	\$10 per load
Pick Up Truck without trailer	\$15 per load	\$15 per load
Pick Up Truck without trailer mixed loads	\$20 per load	\$20 per load
Vehicles with trailer Weigh In	\$85 per ton / \$15 min fee	\$91 per ton / \$15 min fee
Vehicles with trailer Weigh In - Mixed Loads	\$101 per ton	\$115 per ton / \$15 min fee
Loads without separated recyclables and loads of recyclables	\$101 per ton	\$115 per ton / \$15 min fee
Commercial Vehicle Bulk Rate	\$15 per load	\$15 per load
Contaminated Soil for Commercial Generators	\$85 per ton	\$115 per ton / \$15 min fee
Open Top Roll-Off Container*	\$101 per ton	\$115 per ton / \$15 min fee

*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



NOTE: At FY2023 Adoption, FAS was forecasting a \$1 rate increase would be needed for FY2024.

Tire Disposal Fees:

	<u>FY2023</u>	<u>FY2024</u>
Car/Pick-Up Truck (per tire)		
On/Off Rim	\$2 per tire	\$2 per tire
On/Off Rim (10+ tires in load)*	\$225 - \$250 per ton	\$225 per ton/\$15 minimum fee
Truck (Dump/Tractor Trailer) Bias (per tire)	\$25 per tire	\$25 per tire
Truck (Dump/Tractor Trailer) Radial (per tire)	\$25 per tire	\$25 per tire
Farm Tractor and Off-Road (per ton)	\$250 per ton	\$250 per ton/\$15 minimum fee
Tire Recovery Charge	NA	\$40 per tire

LANDFILL FUND

	FY2023 Adopted	FY2024 Proposed	Variance	% Change
Revenue				
Tipping Fees	\$12,051,700	\$11,135,900	(\$915,800)	-7.6%
Tag-a-bag Fees @ \$2.25 per bag	200,000	200,000	0	0.0%
Permits & Miscellaneous	5,000	5,000	0	0.0%
Total Operating Revenues	\$12,256,700	\$11,340,900	(\$915,800)	-7.5%
Use of Fund Balance - Revenue Loss	0	915,800	915,800	NEW
Fund Balance - One Time Items	0	415,000	415,000	NEW
Total Revenues	\$12,256,700	\$12,671,700	\$415,000	3.4%

Expenditures

Salary & Fringe	\$2,892,600	\$3,215,800	\$323,200	11.2%
Operating Costs	1,934,400	2,030,100	95,700	4.9%
Debt Service	312,700	279,500	(33,200)	-10.6%
Operating Contingency	69,600	44,200	(25,400)	-36.5%
Capital Outlay	85,000	415,000	330,000	388.2%
Landfill Expansion/Closure Reserve	6,335,000	6,836,200	501,200	7.9%
Equipment/Technology Reserve	627,400	627,400	0	0.0%
Total Expenditures	\$12,256,700	\$13,448,200	\$1,191,500	9.7%
Operating Surplus/(Deficit)	\$0	(\$776,500)	(\$776,500)	

Equipment/Technology Reserve

Equipment/Technology Reserve/Fund				
Balance	1,465,000	525,000	(940,000)	-64.2%
Use of Reserve	(1,465,000)	(525,000)	940,000	-64.2%
Total Other Uses	\$0	\$0	\$0	
Total Surplus/(Deficit)	\$0	(\$776,500)	(\$776,500)	

Replacement Capital -

Use of Equipment/Technology Reserve

Cost

Compact Track Loader: Replacing S-45, a 2016 with 3,000 hours - need a new unit that can utilize high-flow hydraulics attachments to perform grounds maintenance work in tight spaces at the landfill. The new loader will fit inside a roll-off box for transport and completion of duties.	\$75,000
Crawler Track Dozer: Replacing S-42, a 2006 Road Grader with 361 hours - a second trash dozer is needed as a backup for pushing and compacting trash and applying tarps at the end of the day. The landfill will trade in S-42, Road Grader, to offset this purchase. The opening of cell 4 will eliminate the need for consistent maintenance of the access road to the landfill working face.	450,000
	\$525,000

LANDFILL**FUND**

(\$ in thousands)

FY2024-FY2028 OPERATING PLAN

	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>
Revenues					
Operating Revenues	\$11,340.9	\$11,449.9	\$11,577.5	\$11,705.2	\$11,707.5
Fund Balance/ Capital Reserve	1,855.8	808.7	897.9	557.9	668.0
Revenues	\$13,196.7	\$12,258.6	\$12,475.4	\$12,263.1	\$12,375.5
Expenses					
Operating Expenses	\$12,753.7	\$13,107.1	\$13,482.0	\$13,864.4	\$14,269.5
Capital Outlay	940.0	0.0	214.6	0.0	110.1
Debt Service	279.5	252.4	219.1	167.0	135.1
Expenses	\$13,973.2	\$13,359.5	\$13,915.7	\$14,031.4	\$14,514.7
Surplus\Deficit:	(\$776.5)	(\$1,100.9)	(\$1,440.3)	(\$1,768.3)	(\$2,139.2)
Estimated Annual Tipping					
Fee Adjustment:	\$6	\$2	\$3	\$2	\$3
Tipping Fee	\$91	\$93	\$96	\$98	\$101
% rate change	7.1%	2.2%	3.2%	2.1%	3.1%

FY2024-FY2028 CAPITAL IMPROVEMENT PLAN

	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	Total
						'24-'28
Capital Costs:						
Landfill Gas to Energy*	975	1,006	806	0	0	2,787
Landfill Cell 4B*	0	7,586	6,707	0	0	14,293
Landfill Cell 4C*	0	0	57	12,858	0	12,915
Leachate Mgmt System**	5,111	0	0	0	0	5,111
Total without inflation	\$6,086	\$8,592	\$7,570	\$12,858	\$0	\$35,106
Contingency - inflation	507	1,008	1,129	2,598	0	5,242
Total	\$6,593	\$9,600	\$8,699	\$15,456	\$0	\$40,348
Finance Sources						
Capital Budget Reserve*	\$6,593	\$9,600	\$8,699	\$15,456	\$0	\$40,348
Total	\$6,593	\$9,600	\$8,699	\$15,456	\$0	\$40,348
Cumulative Operating Impact: Landfill to Gas Energy Project	0.0	0.0	0.0	54.0	56.6	

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

**Project that was fully funded and now requires an increase; to be funded by the Capital Budget Reserve.

PROPOSED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2024

(\$ in thousands)

LANDFILL SUMMARY

Local governments have the duty to provide for the disposal of solid waste (trash) generated within its borders. Charles County plans for this function by establishing cash reserves collected from tipping fee revenue and dedicates the reserves for the next landfill cell. The current facility is composed of four cells over a 114 acre site. Other capital maintenance projects to the landfill are financed from ongoing tipping fee revenues.

EXPENSE BUDGET	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	5-Year Total '24-'28	Approp. thru FY23	Beyond FY 2028	Project Total
Architectural & Engineering	\$238	\$370	\$58	\$120	\$0	\$786	\$610	\$0	\$1,396
Land & ROW	0	0	0	0	0	0	20	0	20
Construction	5,530	8,165	7,802	14,424	0	35,921	5,875	0	41,796
Equipment	0	0	0	0	0	0	0	0	0
Administration	84	66	0	61	0	211	366	0	577
Administration - FAS	11	13	22	10	0	56	24	0	80
Inspection	257	136	0	120	0	513	371	0	884
Miscellaneous	0	0	0	0	0	0	50	0	50
Contingency	473	850	817	721	0	2,861	508	0	3,369
Total Outlay	\$6,593	\$9,600	\$8,699	\$15,456	\$0	\$40,348	\$7,824	\$0	\$48,172

FINANCING SOURCES									
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$363	\$0	\$363
Capital Budget Reserve	6,593	9,600	8,699	15,456	0	40,348	7,461	0	47,809
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$6,593	\$9,600	\$8,699	\$15,456	\$0	\$40,348	\$7,824	\$0	\$48,172
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
Total Funding	\$6,593	\$9,600	\$8,699	\$15,456	\$0	\$40,348	\$7,824	\$0	\$48,172

Operating Budget Impact	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Approp. thru FY23	Beyond FY 2028
No. of Personnel	0.00	0.00	0.00	1.00	1.00	0.00	1.00
Personnel Costs	0.0	0.0	0.0	51.4	54.0	0.0	56.1
Operating	0.0	0.0	0.0	2.6	2.6	0.0	2.7
Total Operating	\$0.0	\$0.0	\$0.0	\$54.0	\$56.6	\$0.0	\$58.8
Debt Service: Bonds	31.7	31.7	31.7	31.7	31.7	31.7	31.7
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$31.7	\$31.7	\$31.7	\$85.7	\$88.3	\$31.7	\$90.5

Increase to Annual Tipping fee: \$0.00 \$0.00 \$0.00 \$0.44 \$0.46

PROPOSED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2024

(\$ in thousands)

PROJECT NAME: Landfill Gas to Energy	Requested By: DPW Project #: 9050008127																												
<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> <p>PRIORITY</p>																													
<p>VARIANCE TO APPROVED PER FY23-FY27 CAPITAL IMPROVEMENT PROGRAM:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">FY 2024</th> <th style="text-align: center;">FY 2025</th> <th style="text-align: center;">FY 2026</th> <th style="text-align: center;">FY 2027</th> <th style="text-align: center;">TOTAL</th> <th></th> </tr> </thead> <tbody> <tr> <td>Approved FY23-FY27 CIP</td> <td style="text-align: right;">\$900</td> <td style="text-align: right;">\$881</td> <td style="text-align: right;">\$806</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$2,587</td> <td><i>A&E and construction costs increased in response to MDE draft regulations,</i></td> </tr> <tr> <td>Increase/(Decrease)</td> <td style="text-align: right;">\$75</td> <td style="text-align: right;">\$125</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$200</td> <td><i>"Chapter 42 Control of Methane Emissions from Municipal Solid Waste Landfills".</i></td> </tr> <tr> <td>% change</td> <td style="text-align: right;">8.3%</td> <td style="text-align: right;">14.2%</td> <td style="text-align: right;">0.0%</td> <td style="text-align: right;">n/a</td> <td style="text-align: right;">7.7%</td> <td></td> </tr> </tbody> </table>			FY 2024	FY 2025	FY 2026	FY 2027	TOTAL		Approved FY23-FY27 CIP	\$900	\$881	\$806	\$0	\$2,587	<i>A&E and construction costs increased in response to MDE draft regulations,</i>	Increase/(Decrease)	\$75	\$125	\$0	\$0	\$200	<i>"Chapter 42 Control of Methane Emissions from Municipal Solid Waste Landfills".</i>	% change	8.3%	14.2%	0.0%	n/a	7.7%	
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% change	8.3%	14.2%	0.0%	n/a	7.7%																								

EXPENSE BUDGET	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	5-Year			
						Total '24-'28	Approp. thru FY23	Beyond FY 2028	Project Total
Architectural & Engineering	\$150	\$200	\$0	\$0	\$0	\$350	\$150	\$0	\$500
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	800	800	800	0	0	2,400	800	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	6	6	0	0	17	10	0	27
Inspection	20	0	0	0	0	20	20	0	40
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0
Total Outlay	\$975	\$1,006	\$806	\$0	\$0	\$2,787	\$980	\$0	\$3,767

FINANCING SOURCES	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	5-Year			
						Total '24-'28	Approp. thru FY23	Beyond FY 2028	Project Total
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital Budget Reserve	975	1,006	806	0	0	2,787	980	0	3,767
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$975	\$1,006	\$806	\$0	\$0	\$2,787	\$980	\$0	\$3,767
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
Total Funding	\$975	\$1,006	\$806	\$0	\$0	\$2,787	\$980	\$0	\$3,767

Operating Budget Impact	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Approp. thru FY23				Beyond FY 2028	
						Total '24-'28	Approp. thru FY23	Beyond FY 2028	Project Total	Total '24-'28	Approp. thru FY23
No. of Personnel	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00
Personnel Costs	0.0	0.0	0.0	51.4	54.0	0.0	0.0	56.1	56.1	0.0	56.1
Operating	0.0	0.0	0.0	2.6	2.6	0.0	0.0	2.7	2.7	0.0	2.7
Total Operating	\$0.0	\$0.0	\$0.0	\$54.0	\$56.6	\$0.0	\$0.0	\$58.8	\$58.8	0.0	0.0
Debt Service: Bonds	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$0.0	\$54.0	\$56.6	\$0.0	\$0.0	\$58.8	\$58.8	0.0	0.0
Increase to Annual Tipping fee:	\$0.00	\$0.00	\$0.00	\$0.44	\$0.46	\$0.00	\$0.00	\$0.48	\$0.48	\$0.00	\$0.48

LOCATION:	COMMISSIONER DISTRICT:
Charles County Landfill, Waldorf Maryland	4

PROPOSED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2024

(\$ in thousands)

PROJECT NAME:
Landfill Cell 4B

Requested By: DPW
Project #:

Construction of Landfill Sub-Cell 4B which will provide an additional 5.7 acres of capacity in preparation for when existing landfill capacity becomes limited.

Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1)

VARIANCE TO APPROVED PER FY23-FY27 CAPITAL IMPROVEMENT PROGRAM:

	FY 2024	FY 2025	FY 2026	FY 2027	TOTAL	
Approved FY23-FY27 CIP	\$8,586	\$0	\$0	\$0	\$8,586	
Increase/(Decrease)	(\$8,586)	\$7,586	\$6,707	\$0	\$5,707	<i>The proposed cell is projected to be needed later than originally planned. Also, the construction costs is being increased based on the cost of the recently constructed Cell 4A, which were higher than originally projected.</i>
% change	-100.0%	new	new	n/a	66.5%	

EXPENSE BUDGET	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	5-Year Total '24-'28	Approp. thru FY23	Beyond FY 2028	Project Total
Architectural & Engineering	\$0	\$150	\$0	\$0	\$0	\$150	\$0	\$0	\$150
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	6,500	6,000	0	0	12,500	0	0	12,500
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	60	0	0	0	60	0	0	60
Administration - FAS	0	6	7	0	0	13	0	0	13
Inspection	0	120	0	0	0	120	0	0	120
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	750	700	0	0	1,450	0	0	1,450
Total Outlay	\$0	\$7,586	\$6,707	\$0	\$0	\$14,293	\$0	\$0	\$14,293

FINANCING SOURCES									
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital Budget Reserve	0	7,586	6,707	0	0	14,293	0	0	14,293
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$0	\$7,586	\$6,707	\$0	\$0	\$14,293	\$0	\$0	\$14,293
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
Total Funding	\$0	\$7,586	\$6,707	\$0	\$0	\$14,293	\$0	\$0	\$14,293

Operating Budget Impact	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Approp. thru FY23	Beyond FY 2028
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
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
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
Total Impact	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0

Increase to Annual Tipping fee: \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00

LOCATION: Charles County Landfill, Waldorf Maryland **COMMISSIONER DISTRICT:**

PROPOSED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2024

(\$ in thousands)

PROJECT NAME:
Landfill Cell 4C

Requested By: DPW
Project #:

Construction of Landfill Sub-Cell 4C which will provide an additional 4.9 acres of capacity in preparation for when existing landfill capacity becomes limited. The construction of this subcell is the last remaining acreage available at Charles County Landfill #2.

Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1)

VARIANCE TO APPROVED PER FY23-FY27 CAPITAL IMPROVEMENT PROGRAM:

	FY 2024	FY 2025	FY 2026	FY 2027	TOTAL	
Approved FY23-FY27 CIP	\$0	\$0	\$6,876	\$0	\$6,876	
Increase/(Decrease)	\$0	\$0	(\$6,819)	\$12,858	\$6,039	<i>The proposed cell is projected to be needed later than originally planned. Also, the construction costs is being increased based on the cost of the recently constructed Cell 4A, which were higher than originally projected.</i>
% change	n/a	n/a	-99.2%	new	87.8%	

EXPENSE BUDGET	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	5-Year Total '24-'28	Approp. thru FY23	Beyond FY 2028	Project Total
Architectural & Engineering	\$0	\$0	\$50	\$100	\$0	\$150	\$0	\$0	\$150
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	0	12,000	0	12,000	0	0	12,000
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	0	0	50	0	50	0	0	50
Administration - FAS	0	0	7	8	0	15	0	0	15
Inspection	0	0	0	100	0	100	0	0	100
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	600	0	600	0	0	600
Total Outlay	\$0	\$0	\$57	\$12,858	\$0	\$12,915	\$0	\$0	\$12,915

FINANCING SOURCES	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	5-Year Total '24-'28	Approp. thru FY23	Beyond FY 2028	Project Total
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital Budget Reserve	0	0	57	12,858	0	12,915	0	0	12,915
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$0	\$0	\$57	\$12,858	\$0	\$12,915	\$0	\$0	\$12,915
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
Total Funding	\$0	\$0	\$57	\$12,858	\$0	\$12,915	\$0	\$0	\$12,915

Operating Budget Impact	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Approp. thru FY23	Beyond FY 2028
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
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
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
Total Impact	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0

LOCATION:	COMMISSIONER DISTRICT:
Charles County Landfill, Waldorf Maryland	4

PROPOSED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2024

(\$ in thousands)

PROJECT NAME: Landfill Leachate Management System	Requested By: DPW Project #: 9401008041																								
<p>At the completion of Landfill Cells 2B/3B, the leachate volume is expected to exceed the allowable limit of industrial waste under current County ordinance. A conceptual evaluation and feasibility study is necessary to explore alternative methods and technologies of handling the excess leachate volume. Upon completion of the conceptual evaluation and feasibility study, staff will determine the most suitable course of action to address the volume and quality of effluent to be discharged to the County waste water system. This project will also move forward with the implementation (design and construction) of the chosen approach.</p>																									
<p>Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)</p>																									
<p>VARIANCE TO APPROVED PER FY23-FY27 CAPITAL IMPROVEMENT PROGRAM:</p>																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 15%;">FY 2024</th> <th style="width: 15%;">FY 2025</th> <th style="width: 15%;">FY 2026</th> <th style="width: 15%;">FY 2027</th> <th style="width: 15%;">TOTAL</th> </tr> </thead> <tbody> <tr> <td>Approved FY23-FY27 CIP</td><td style="text-align: right;">\$0</td><td style="text-align: right;">\$0</td><td style="text-align: right;">\$0</td><td style="text-align: right;">\$0</td><td style="text-align: right;">\$0</td></tr> <tr> <td>Increase/(Decrease)</td><td style="text-align: right;">\$5,111</td><td style="text-align: right;">\$0</td><td style="text-align: right;">\$0</td><td style="text-align: right;">\$0</td><td style="text-align: right;">\$5,111</td></tr> <tr> <td>% change</td><td style="text-align: right;">new</td><td style="text-align: right;">n/a</td><td style="text-align: right;">n/a</td><td style="text-align: right;">n/a</td><td></td></tr> </tbody> </table>		FY 2024	FY 2025	FY 2026	FY 2027	TOTAL	Approved FY23-FY27 CIP	\$0	\$0	\$0	\$0	\$0	Increase/(Decrease)	\$5,111	\$0	\$0	\$0	\$5,111	% change	new	n/a	n/a	n/a		<i>Current funding supports the Leachate Pretreatment Facility. Additional funds new requested are needed for construction and inspection of the Pump Station and Forcemain portion of the project.</i>
	FY 2024	FY 2025	FY 2026	FY 2027	TOTAL																				
Approved FY23-FY27 CIP	\$0	\$0	\$0	\$0	\$0																				
Increase/(Decrease)	\$5,111	\$0	\$0	\$0	\$5,111																				
% change	new	n/a	n/a	n/a																					

EXPENSE BUDGET	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	5-Year Total			
						'24-'28	Approp. thru FY23	Beyond FY 2028	Project Total
Architectural & Engineering	\$80	\$0	\$0	\$0	\$0	\$80	\$460	\$0	\$540
Land & ROW	0	0	0	0	0	0	20	0	20
Construction	4,300	0	0	0	0	4,300	5,075	0	9,375
Equipment	0	0	0	0	0	0	0	0	0
Administration	80	0	0	0	0	80	366	0	446
Administration - FAS	6	0	0	0	0	6	14	0	20
Inspection	215	0	0	0	0	215	351	0	566
Miscellaneous	0	0	0	0	0	0	50	0	50
Contingency	430	0	0	0	0	430	508	0	938
Total Outlay	\$5,111	\$0	\$0	\$0	\$0	\$5,111	\$6,844	\$0	\$11,955

FINANCING SOURCES	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	5-Year Total			
						'24-'28	Approp. thru FY23	Beyond FY 2028	Project Total
Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$363	\$0	\$363
Capital Budget Reserve	5,111	0	0	0	0	5,111	6,481	0	11,592
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$5,111	\$0	\$0	\$0	\$0	\$5,111	\$6,844	\$0	\$11,955
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
Total Funding	\$5,111	\$0	\$0	\$0	\$0	\$5,111	\$6,844	\$0	\$11,955

Operating Budget Impact	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	5-Year Total			
						'24-'28	Approp. thru FY23	Beyond FY 2028	Project Total
No. of Personnel	0.00	0.00	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	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	\$0.0	\$0.0	\$0.0						
Debt Service: Bonds	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$31.7	\$31.7	\$31.7						

LOCATION:	COMMISSIONER DISTRICT:
Charles County Landfill, Waldorf, MD	4

Solid Waste

Department: Public Works - Facilities 27.05.38
Division \ Program: Landfill Fund: Enterprise
Program Administrator: Frances Sherman, Chief of Environmental Resources
<https://www.charlescountymd.gov/services/environmental-resources/landfill>

Expenditure Category	FY2022 Actual	FY2023 Adopted	FY2024 Request	FY2024 Proposed	\$ Change from FY2023	% Chg.
Personal Services	\$1,949,269	\$2,225,800	\$2,366,600	\$2,366,600	\$140,800	6.3%
Fringe Benefits	596,436	666,800	738,100	738,100	71,300	10.7%
Operating Costs	1,581,716	1,842,800	2,030,100	2,030,100	187,300	10.2%
Debt Service	315,207	312,700	279,500	279,500	(33,200)	-10.6%
Agency Funding	64,000	91,600	111,100	111,100	19,500	21.3%
Operating Contingency	0	69,600	24,400	44,200	(25,400)	-36.5%
Landfill Expansion/Closure	4,786,400	6,335,000	6,836,200	6,836,200	501,200	7.9%
Capital Outlay	79,089	1,550,000	525,000	940,000	(610,000)	-39.4%
Equipment/Tech Reserve	570,400	627,400	627,400	627,400	0	0.0%
Total Baseline	\$9,942,517	\$13,721,700	\$13,538,400	\$13,973,200	\$251,500	1.8%
New Requests	0	0	434,800		0	N/A
Total Expenditures	\$9,942,517	\$13,721,700	\$13,973,200	\$13,973,200	\$251,500	1.8%

Changes and Useful Information:

- **Personal Services** and **Fringe Benefits** increase includes the full year impact of FY2023 approved salary increases, as well as funding to support potential FY2024 salary increases.
- The **Operating Costs** increase is to support the increased cost of vehicle fuel, the final evaluation and cover of cells 1 - 3, and other adjustments based on anticipated spending.
- **Debt Service** includes debt payments related to the Landfill's Capital Improvement Program, and funding to bank finance various vehicles and equipment.
- **Agency Funding** supports the Landfill's contribution towards Other Post Employment Benefits (OPEB).
- **Operating Contingency** is to cover potential revenue shortfalls and/or expenditure overruns. Included is funding to support a new DPW Management Support Coordinator position, and an Assistant to the Director of DPW position which are both contingent on final decision on general fund & other enterprise funds support.
- The **Landfill Expansion/Closure** budget funds the future development of the remaining space at the Landfill. The increase is due to increase closure/post closure costs, as well as, rising construction costs for future expansion.
- The **Capital Outlay** budget is to replace a compact track loader and a crawler track dozer. Also included is funding to purchase a new sweeper truck, truck lift, and utility vehicle.
- The **Equipment Reserve** budget is to replace future equipment at the landfill.

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 until 2028 due to the utilization of a transfer facility which will allow for disposal options outside of the County's jurisdiction.

Solid Waste

Department:	Public Works - Facilities		27.05.38
Division \ Program:	Landfill	Fund:	Enterprise
Program Administrator:	Frances Sherman, Chief of Environmental Resources https://www.charlescountymd.gov/services/environmental-resources/landfill		

Positions:	FY20	FY21	FY22	FY23	FY24
<u>Title</u>	<u>FTE</u>	<u>FTE</u>	<u>FTE</u>	<u>FTE</u>	<u>FTE</u>
Director of Public Works	0.1	0.1	0.1	0.1	0.1
Deputy Director 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 and Recycling Operations Manager	1.0	1.0	1.0	1.0	1.0
Environmental Resources Vehicle and Equipment Technician Team Leader	1.0	1.0	1.0	1.0	1.0
Environmental Resources Vehicle and 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
Assistant Scale House Manager	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
Landfill Equipment Operator II - IV	7.0	7.0	8.5	8.5	8.5
Recycling Equipment Operator II - IV	0.0	0.0	1.0	1.0	1.0
Weigh Clerk	4.0	5.0	5.0	5.0	5.0
Environmental Resources Inventory Equipment Manager	0.0	0.0	1.0	1.0	1.0
Office Associate II	0.0	1.0	1.0	1.0	1.0
Landfill Technician Team Leader	1.0	1.0	0.0	0.0	0.0
Recycling Site Attendant Team Leader	0.0	0.0	0.0	0.0	0.0
Landfill Technician	7.0	8.0	5.0	5.0	5.0
Recycling Site Attendant	0.0	0.0	3.5	3.5	3.5
Part Time Positions	3.2	3.2	3.2	3.2	3.2
Total Full Time Equivalent	33.9	36.9	39.9	39.9	39.9