

Environment

AGENCY OVERVIEW

Agency Description

The Department of the Environment is responsible for the operation of the County’s solid waste disposal and recycling activities, oversight of contract refuse collection and planning, policy development and coordination with other agencies regarding water quality, stormwater management, sludge and solid waste management, tree preservation and other environmental issues. The Department also has responsibility for the enforcement of a variety of County laws relating to: (1) sediment and erosion control, (2) stormwater management and (3) animal control.

Needs Assessment

The primary factor taken into consideration during the development of the CIP is how to best implement the County’s 10-year Solid Waste Plan. Other considerations include the necessity for the future expansion of the Solid Waste Management Program to meet future demand, demographic changes and the need to improve the Animal Management programs.

FY 2021 Funding Sources

- Revenue Bonds – 100.0%

FY 2021-2026 Program Highlights

- For the Resource Recovery Park, the FY 2021 program continues funding renovations at the Missouri Avenue Convenience Center.

- For the Brown Station Landfill, the FY 2021 program includes funding to fill in Area C, extending the County’s landfill capacity to the year 2045 and to continue the design for upgrades to the existing Leachate Pretreatment Facility as required by the regulatory arm of WSSC.
- For the Sandy Hill Sanitary Landfill, the FY 2021 program includes funding for post-closure care requirements associated with regulatory compliance, as well as various cap repairs and groundwater management at this facility.
- For the Materials Recycling Facility, the FY 2021 program includes funding to install an optical sorter for plastics and upgrading equipment.
- FY 2021 funds support the completion of the stormwater pond reconstruction, located at the Organics Composting Facility, as required by the Soil Conservation District.

New Projects

None

Deleted Projects

CIP ID # / PROJECT NAME / REASON

8.54.0002 / Blight Eradication Program / Funding transferred to the Organics Composting Facility project (3.54.0001)

Revised Projects

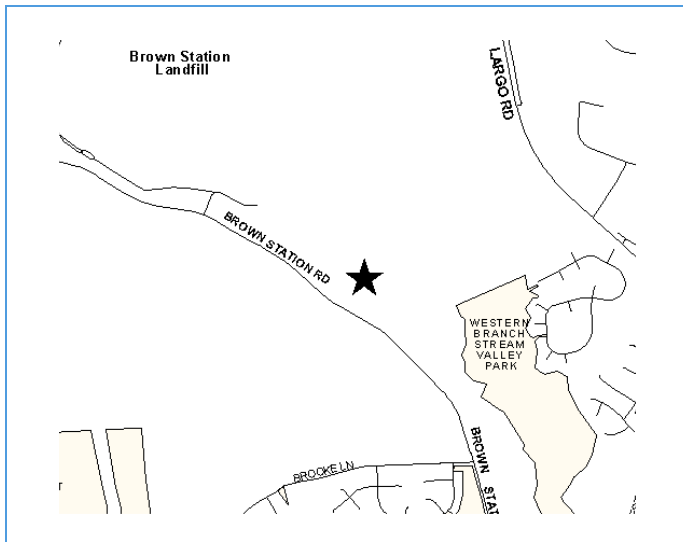
Project Name	Alternate Funding Source Required	Revisions			
		Total Project Cost Increase	Total Project Cost Decrease	Project Schedule Delayed	Project Schedule Accelerated
Brown Station Landfill Construction			X		
Materials Recycling Facility		X			
North County Animal Shelter				X	
Organics Composting Facility		X		X	
Resource Recovery System				X	
Sandy Hill Sanitary Landfill		X			

Program Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$16,393	\$2,388	\$4,640	\$9,365	\$6,875	\$1,090	\$600	\$800	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	86,457	17,991	7,329	60,880	7,376	12,707	17,215	16,079	7,503	—	257
EQUIP	11,650	3,267	6,523	1,860	1,760	100	—	—	—	—	—
OTHER	161,016	158,202	2,814	—	—	—	—	—	—	—	—
TOTAL	\$275,516	\$181,848	\$21,306	\$72,105	\$16,011	\$13,897	\$17,815	\$16,879	\$7,503	\$—	\$257
FUNDING											
GO BONDS	\$7,136	\$—	\$—	\$7,136	\$—	\$750	\$3,193	\$3,193	\$—	\$—	\$—
REVENUE	218,768	132,789	20,753	64,969	16,011	13,147	14,622	13,686	7,503	—	257
OTHER	49,612	46,798	2,814	—	—	—	—	—	—	—	—
TOTAL	\$275,516	\$179,587	\$23,567	\$72,105	\$16,011	\$13,897	\$17,815	\$16,879	\$7,503	\$—	\$257
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	

Project Listing

CIP ID#	Project Name	Address	Planning Area	Council District	Project Class	Total Project Cost (000)	Completion Date
5.54.0001	Brown Station Landfill Construction	Brown Station Road, Upper Marlboro	Upper Marlboro & Vicinity	Six	Addition	\$188,870	Ongoing
5.54.0020	Materials Recycling Facility	1000 Ritchie Road, Upper Marlboro	Upper Marlboro & Vicinity	Six	Rehabilitation	9,112	Ongoing
3.54.0002	North County Animal Shelter	Location Not Determined	Not Assigned	Not Assigned	New Construction	7,136	FY 2024
3.54.0001	Organics Composting Facility	6550 Crain Highway, Upper Marlboro	Upper Marlboro & Vicinity	Seven	New Construction	15,625	FY 2021
5.54.0004	Resource Recovery Park	3501 Brown Station Road, Upper Marlboro	Upper Marlboro & Vicinity	Six	New Construction	5,497	FY 2024
5.54.0003	Sandy Hill Sanitary Landfill	Old Laurel Bowie Road, Bowie	Bowie Vicinity	Four	Addition	49,276	FY 2026
Program Total						\$275,516	
NUMBER OF PROJECTS = 6							



Description: This project includes: Brown Station Road Sanitary Landfill Area C in-fill, extending the County's landfill capacity to the year 2045; leachate pre-treatment facility upgrades; Phase V Landfill Gas; Area B Stormwater Control Structures; Cabin Branch stream crossing; two and a half miles of landfill gas pipeline replacement and various infrastructure projects.

Justification: This project provides for continued operational and regulatory compliance and funding for major compliance projects mandated by the United States Environmental Protection Agency (US EPA), the Maryland Department of the Environment (MDE), the Washington Suburban Sanitary Commission (WSSC) and the Public Service Commission.

Highlights: In the FY 2021 CIP, funding will be used to continue the design of the Landfill Area C in-fill project and replacement of the main pipeline along Brown Station Road that distributes methane gas, which is converted to energy for the County Correctional Facility (CCC).

Enabling Legislation: Not Applicable

Location		Status	
Address	Brown Station Road, Upper Marlboro	Project Status	Under Construction
Council District	Six	Class	Addition
Planning Area	Upper Marlboro & Vicinity	Land Status	Publicly Owned Land

PROJECT MILESTONES

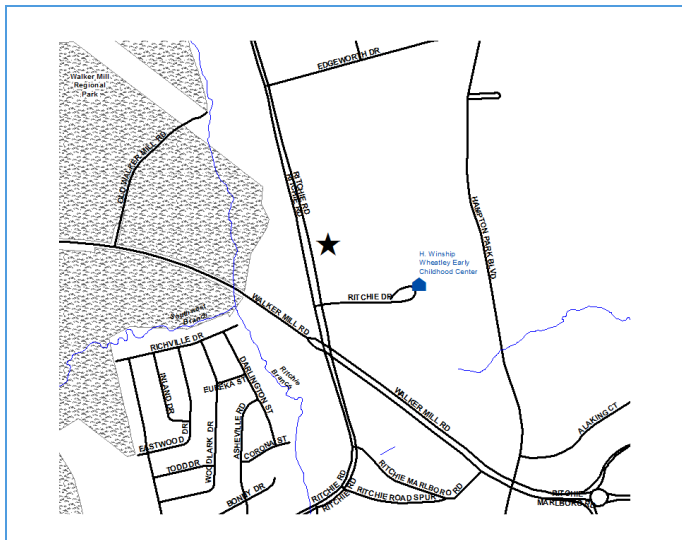
	Estimate	Actual
1 st Year in Capital Program		FY 1978
1 st Year in Capital Budget		FY 1978
Completed Design		Ongoing
Began Construction		Ongoing
Project Completion		Ongoing

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2020 Estimate	FY 2021	Total
\$140,713	\$9,269	\$6,941	\$156,923

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$10,868	\$1,213	\$4,040	\$5,615	\$5,275	\$340	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	46,827	8,605	5,049	33,023	1,666	7,097	6,905	11,369	5,986	—	150
EQUIP	788	508	180	100	—	100	—	—	—	—	—
OTHER	130,387	130,387	—	—	—	—	—	—	—	—	—
TOTAL	\$188,870	\$140,713	\$9,269	\$38,738	\$6,941	\$7,537	\$6,905	\$11,369	\$5,986	\$—	\$150
FUNDING											
REVENUE	\$158,968	\$109,646	\$10,434	\$38,738	\$6,941	\$7,537	\$6,905	\$11,369	\$5,986	\$—	\$150
OTHER	29,902	29,902	—	—	—	—	—	—	—	—	—
TOTAL	\$188,870	\$139,548	\$10,434	\$38,738	\$6,941	\$7,537	\$6,905	\$11,369	\$5,986	\$—	\$150
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	



Description: This project includes the completion of a plastics optical sorter, commercial truck weighing scale, glass removal equipment, paving of facility parking lot and operational inbound and outbound road, roof repair and tipping floor repairs. The installation of the sorter will provide increased commodities revenue for plastics and ensure accurate weights for manifests and tipping fees.

Justification: The Materials Recycling Facility (MRF) plays a pivotal role with the expected goals and successes of the residential and commercial recycling programs, waste diversion and resource recovery in Prince George's County.

Highlights: In FY 2021, funding is included to complete the installation of the plastics optical sorter and other facility upgrades.

Enabling Legislation: Not Applicable

Location		Status	
Address	1000 Ritchie Road, Upper Marlboro	Project Status	Under Construction
Council District	Six	Class	Rehabilitation
Planning Area	Upper Marlboro & Vicinity	Land Status	Publicly Owned Land

PROJECT MILESTONES

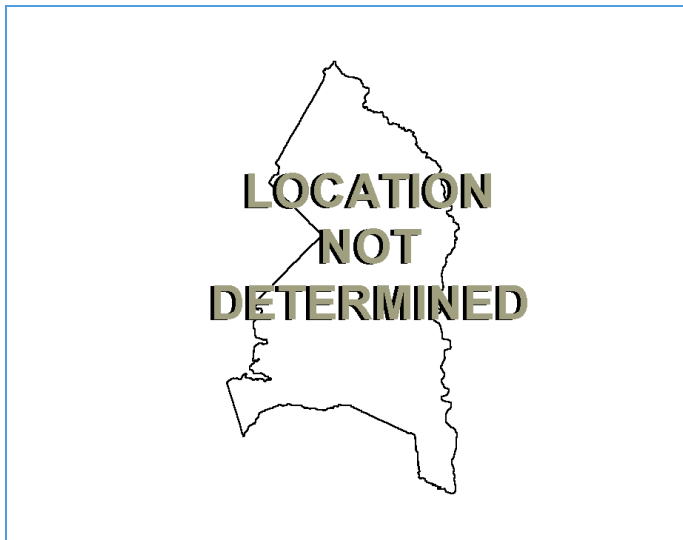
	Estimate	Actual
1 st Year in Capital Program		FY 2016
1 st Year in Capital Budget		FY 2016
Completed Design		Ongoing
Began Construction		Ongoing
Project Completion		Ongoing

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2020 Estimate	FY 2021	Total
\$1,624	\$5,605	\$1,480	\$8,709

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	1,378	—	295	976	680	—	82	107	107	—	107
EQUIP	7,734	1,624	5,310	800	800	—	—	—	—	—	—
OTHER	—	—	—	—	—	—	—	—	—	—	—
TOTAL	\$9,112	\$1,624	\$5,605	\$1,776	\$1,480	\$—	\$82	\$107	\$107	\$—	\$107
FUNDING											
REVENUE	\$9,112	\$1,368	\$5,861	\$1,776	\$1,480	\$—	\$82	\$107	\$107	\$—	\$107
TOTAL	\$9,112	\$1,368	\$5,861	\$1,776	\$1,480	\$—	\$82	\$107	\$107	\$—	\$107
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	



Description: In 2014, an ad-hoc committee was formed consisting of representatives from College Park, Greenbelt, Berwyn Heights, and the County to discuss the need for additional animal management services to supplement and improve services provided by the County and municipalities in the north/northwestern part of the County.

Justification: Currently the County operates one full-service open admission animal shelter in Upper Marlboro that takes approximately 10,000 animals per year and serves the entire County. However, the north/northwestern area of the County has the highest number of licensed pets, the highest adoption rates and the highest demand for services.

Highlights: The project is delayed to start in FY 2022.

Enabling Legislation: Not Applicable

Location		Status	
Address	Location Not Determined	Project Status	Design Not Begun
Council District	Not Assigned	Class	New Construction
Planning Area	Not Assigned	Land Status	Location Not Determined

PROJECT MILESTONES

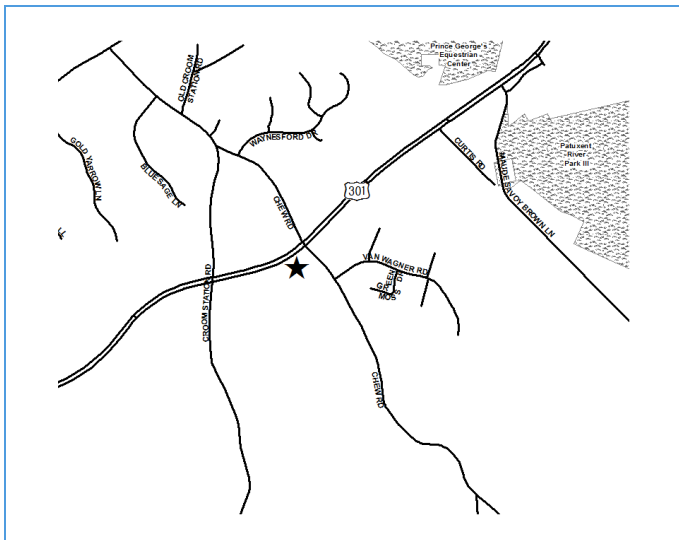
	Estimate	Actual
1 st Year in Capital Program		FY 2018
1 st Year in Capital Budget		FY XXXX
Completed Design	FY 2022	
Began Construction	FY 2023	
Project Completion	FY 2024	

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2020 Estimate	FY 2021	Total
\$0	\$0	\$0	\$0

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$750	\$—	\$—	\$750	\$—	\$750	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	6,386	—	—	6,386	—	—	3,193	3,193	—	—	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	—	—	—	—	—	—	—	—	—	—	—
TOTAL	\$7,136	\$—	\$—	\$7,136	\$—	\$750	\$3,193	\$3,193	\$—	\$—	\$—
FUNDING											
GO BONDS	\$7,136	\$—	\$—	\$7,136	\$—	\$750	\$3,193	\$3,193	\$—	\$—	\$—
TOTAL	\$7,136	\$—	\$—	\$7,136	\$—	\$750	\$3,193	\$3,193	\$—	\$—	\$—
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	



Description: This project includes 3,000 organics residential collection carts and facility needs, which improves the combined yard trim and food scrap curbside collection program. Funding will procure equipment that will facilitate effective materials processing. This project also includes stormwater management pond reconstruction.

Justification: The County's organics composting facility includes the processing of food scraps, which plays a major role in increasing the diversion rate in the County. Composting turns organic waste into a popular soil amendment called Leafgrow, generating revenue for the County.

Highlights: FY 2020 funding from the Blight Eradication Program has been transferred to support the Organics Composting Facility. FY 2021 funding supports the Soil Conservation District requirements for a stormwater management pond to be reconstructed to ensure compliance with surface water management over the 52 acre impervious area.

Location		Status	
Address	6550 Crain Highway, Upper Marlboro	Project Status	Under Construction
Council District	Seven	Class	New Construction
Planning Area	Upper Marlboro & Vicinity	Land Status	Publicly Owned Land

PROJECT MILESTONES

	Estimate	Actual
1 st Year in Capital Program		FY 2013
1 st Year in Capital Budget		FY 2013
Completed Design		FY 2018
Began Construction		FY 2018
Project Completion	FY 2021	

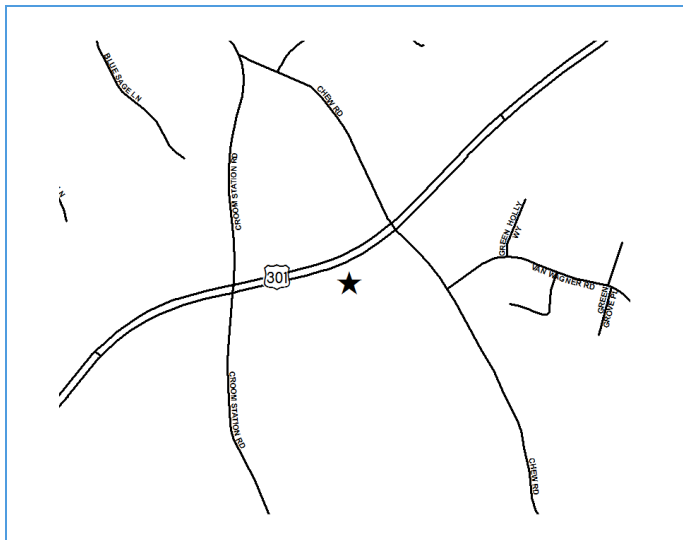
Enabling Legislation: Not Applicable

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2020 Estimate	FY 2021	Total
\$7,448	\$4,147	\$4,030	\$15,625

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$643	\$643	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	9,040	5,670	300	3,070	3,070	—	—	—	—	—	—
EQUIP	3,128	1,135	1,033	960	960	—	—	—	—	—	—
OTHER	2,814	—	2,814	—	—	—	—	—	—	—	—
TOTAL	\$15,625	\$7,448	\$4,147	\$4,030	\$4,030	\$—	\$—	\$—	\$—	\$—	\$—
FUNDING											
REVENUE	\$12,811	\$6,335	\$2,446	\$4,030	\$4,030	\$—	\$—	\$—	\$—	\$—	\$—
OTHER	2,814	—	2,814	—	—	—	—	—	—	—	—
TOTAL	\$15,625	\$6,335	\$5,260	\$4,030	\$4,030	\$—	\$—	\$—	\$—	\$—	\$—
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	



Description: This project includes a system for waste diversion within the County in accordance with the Resource Recovery Master Plan, Zero Waste Plan and the Comprehensive Ten Year Solid Waste Plan. Funding supports the North County Convenience Center, improved and increased residential services at the Brown Station Road Convenience Center and the Missouri Ave Convenience Center renovations.

Justification: Resource recovery is consistent with the principles of zero waste; furthers the County's and Maryland's mandated recycling and waste diversion goals and conserves valuable landfill airspace while reducing environmental and financial impacts.

Highlights: FY 2021 funding supports upgrades needed for both Brown Station Road and the Missouri Avenue Convenience Centers.

Enabling Legislation: Not Applicable

Location		Status	
Address	3501 Brown Station Road, Upper Marlboro	Project Status	Design Stage
Council District	Six	Class	New Construction
Planning Area	Upper Marlboro & Vicinity	Land Status	Publicly Owned Land

PROJECT MILESTONES

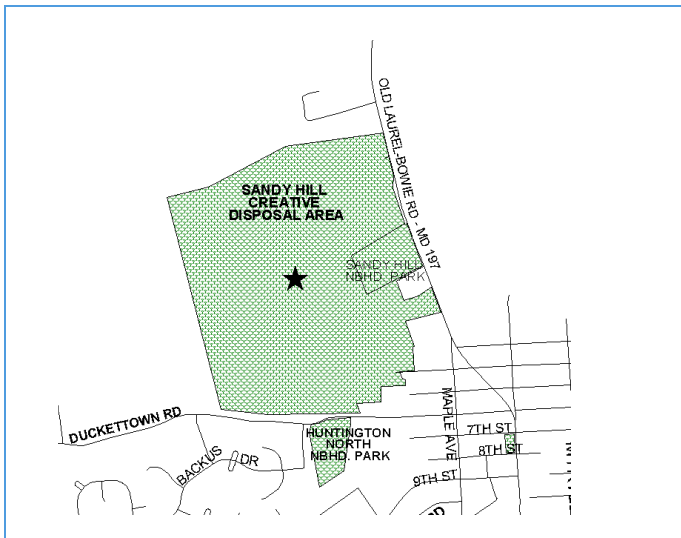
	Estimate	Actual
1 st Year in Capital Program		FY 1997
1 st Year in Capital Budget		FY 1997
Completed Design		FY 2020
Began Construction		FY 2020
Project Completion	FY 2024	

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2020 Estimate	FY 2021	Total
\$1,497	\$600	\$200	\$2,297

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$2,049	\$49	\$600	\$1,400	\$—	\$—	\$600	\$800	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	2,056	56	—	2,000	200	—	1,800	—	—	—	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	1,392	1,392	—	—	—	—	—	—	—	—	—
TOTAL	\$5,497	\$1,497	\$600	\$3,400	\$200	\$—	\$2,400	\$800	\$—	\$—	\$—
FUNDING											
REVENUE	\$4,347	\$540	\$407	\$3,400	\$200	\$—	\$2,400	\$800	\$—	\$—	\$—
OTHER	1,150	1,150	—	—	—	—	—	—	—	—	—
TOTAL	\$5,497	\$1,690	\$407	\$3,400	\$200	\$—	\$2,400	\$800	\$—	\$—	\$—
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
OPERATING				—	—	—	—	—	—	—	—
DEBT				—	—	—	—	—	—	—	—
OTHER				—	—	—	—	—	—	—	—
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—



Description: This project provides funding for construction infrastructure work at Sandy Hill Landfill required by the Maryland Department of the Environment (MDE) 2011 Consent Order and other necessary projects associated with earthen and geosynthetic cap repairs, replacement of non-performing gas wells and extraction components, groundwater cut off wall, repair of leachate conveyance system, and stormwater structures.

Justification: This project continues the County's objectives to maintain compliance with federal, state and local regulatory agencies.

Highlights: FY 2021 funding is for continued progress with design needs for post-closure care to include, replacing of several monitoring wells and other compliance requirements.

Enabling Legislation: Not Applicable

Location		Status	
Address	Old Laurel Bowie Road, Bowie	Project Status	Under Construction
Council District	Four	Class	Addition
Planning Area	Bowie Vicinity	Land Status	Acquisition Complete

PROJECT MILESTONES

	Estimate	Actual
1 st Year in Capital Program		FY 1988
1 st Year in Capital Budget		FY 1988
Completed Design		Ongoing
Began Construction		Ongoing
Project Completion	FY 2026	

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2020 Estimate	FY 2021	Total
\$30,566	\$1,685	\$3,360	\$35,611

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2020 Estimate	Total 6 Years	Budget Year FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Beyond 6 Years
EXPENDITURE											
PLANS	\$2,083	\$483	\$—	\$1,600	\$1,600	\$—	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	20,770	3,660	1,685	15,425	1,760	5,610	5,235	1,410	1,410	—	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	26,423	26,423	—	—	—	—	—	—	—	—	—
TOTAL	\$49,276	\$30,566	\$1,685	\$17,025	\$3,360	\$5,610	\$5,235	\$1,410	\$1,410	\$—	\$—
FUNDING											
REVENUE	\$33,530	\$14,900	\$1,605	\$17,025	\$3,360	\$5,610	\$5,235	\$1,410	\$1,410	\$—	\$—
OTHER	15,746	15,746	—	—	—	—	—	—	—	—	—
TOTAL	\$49,276	\$30,646	\$1,605	\$17,025	\$3,360	\$5,610	\$5,235	\$1,410	\$1,410	\$—	\$—
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	

