

# 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 2020 Funding Sources

- Revenue Bonds – 100%

### FY 2020-2025 Program Highlights

- FY 2019’s “Resource Recovery Park” is renamed as “Resource Recovery System” in FY 2020.
- The FY 2020 program continues operational and facility improvements and repairs as well as closure and post closure requirements for Brown Station Road and Sandy Hill Landfills. For the Brown Station Landfill, the FY 2020 program includes funding to fill in Area C, extending the County’s landfill capacity to the year 2045 and to continue design for upgrades to the existing Leachate Pretreatment Facility as required by the regulatory arm of WSSC.
- For the Materials Recycling Facility, the FY 2020 program includes funding to install an optical sorter for plastics and upgrade equipment.
- FY 2020 funds support continued construction of the Organics Composting Facility, which includes the expansion of the County’s Gore Composting System.

### New Projects

None

### Deleted Projects

None

### Revised Projects

Project Name	Alternate Funding Source Required	Revisions			
		Total Project Cost Increase	Total Project Cost Decrease	Project Schedule Delayed	Project Schedule Accelerated
BLIGHT ERADICATION PROGRAM		X		X	
BROWN STATION LANDFILL CONSTRUCTION		X			
MATERIALS RECYCLING FACILITY		X		X	
SANDY HILL SANITARY LANDFILL			X		
ORGANICS COMPOSTING FACILITY		X			
RESOURCE RECOVERY SYSTEM			X		X

Program Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2019 Estimate	Total 6 Years	Budget Year FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond 6 Years
<b>EXPENDITURE</b>											
PLANS	\$7,008	\$2,277	\$31	\$4,700	\$2,950	\$1,250	\$500	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	123,801	15,926	3,057	103,601	17,004	9,862	16,815	27,048	19,280	13,592	1,217
EQUIP	9,481	842	1,981	6,658	6,658	—	—	—	—	—	—
OTHER	158,993	158,993	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$299,283</b>	<b>\$178,038</b>	<b>\$5,069</b>	<b>\$114,959</b>	<b>\$26,612</b>	<b>\$11,112</b>	<b>\$17,315</b>	<b>\$27,048</b>	<b>\$19,280</b>	<b>\$13,592</b>	<b>\$1,217</b>
<b>FUNDING</b>											
GO BONDS	\$7,136	\$—	\$—	\$7,136	\$—	\$750	\$3,193	\$3,193	\$—	\$—	\$—
REVENUE	240,849	132,789	1,161	105,682	24,471	10,362	14,122	23,855	19,280	13,592	1,217
OTHER	51,298	51,298	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$299,283</b>	<b>\$184,087</b>	<b>\$1,161</b>	<b>\$112,818</b>	<b>\$24,471</b>	<b>\$11,112</b>	<b>\$17,315</b>	<b>\$27,048</b>	<b>\$19,280</b>	<b>\$13,592</b>	<b>\$1,217</b>
<b>OPERATING IMPACT</b>											
PERSONNEL	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
OPERATING	—	—	—	—	—	—	—	—	—	—	—
DEBT	—	—	—	—	—	—	—	—	—	—	—
OTHER	—	—	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>

**Project Listing**

CIP ID#	Project Name	Address	Planning Area	Council District	Project Class	Total Project Cost (000)	Completion Date
8.54.0002	Blight Eradication Program	Various Locations	Not Assigned	Various	Non Construction	\$4,500	FY 2020
5.54.0001	Brown Station Landfill Construction	Brown Station Road, Upper Marlboro	Upper Marlboro & Vicinity	Six	Addition	215,601	FY 2026
5.54.0020	Materials Recycling Facility	1000 Ritchie Road, Upper Marlboro	Upper Marlboro & Vicinity	Six	Rehabilitation	8,246	FY 2026
3.54.0002	North County Animal Shelter	Location Not Determined	Not Assigned	Not Assigned	New Construction	7,136	FY 2023
3.54.0001	Organics Composting Facility	6550 Crain Highway, Upper Marlboro	Upper Marlboro & Vicinity	Seven	New Construction	10,036	FY 2020
5.54.0004	Resource Recovery System	3501 Brown Station Road, Upper Marlboro	Upper Marlboro & Vicinity	Six	New Construction	5,497	FY 2022
5.54.0003	Sandy Hill Sanitary Landfill	Old Laurel Bowie Road, Bowie	Bowie Vicinity	Four	Addition	48,267	FY 2026
<b>Program Total</b>						<b>\$299,283</b>	
<b>NUMBER OF PROJECTS = 7</b>							



**Description:** The purpose of this project is to beautify Prince George's County by building infrastructure to increase recycling and composting while reducing trash and litter as part of the Transforming Neighborhood Initiative (TNI). Funding in this program is shifting toward county beautification.

**Justification:** There is an increased demand in the County for various forms of alternative waste collection, including: (1) food scrap collection bins, (2) recycling cart and (3) solar-powered trash compactors.

**Highlights:** There are no significant changes to this project in FY 2020. Other funding reflects \$4.5 million of PAYGO funds transferred to the project in FY 2014.

**Enabling Legislation:** Not Applicable

Location		Status	
Address	Various Locations	Project Status	Continued
Council District	Various	Class	Non Construction
Planning Area	Not Assigned	Land Status	No Land Involved

**PROJECT MILESTONES**

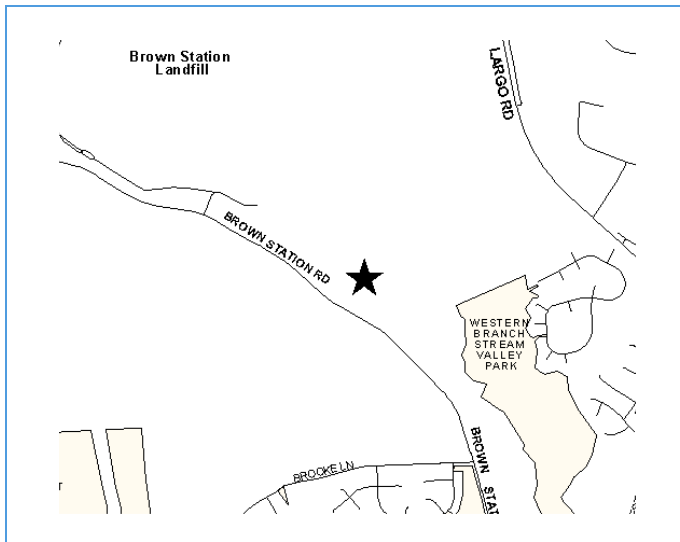
	Estimate	Actual
1 <sup>st</sup> Year in Capital Program		FY 2014
1 <sup>st</sup> Year in Capital Budget		FY 2014
Completed Design		Ongoing
Began Construction		Ongoing
Project Completion	FY 2020	

**CUMULATIVE APPROPRIATION (000'S)**

Life to Date	FY 2019 Estimate	FY 2020	Total
\$1,483	\$1,180	\$1,837	\$4,500

**Project Summary**

Category/Description	Total Project Cost	Life to Date Actual	FY 2019 Estimate	Total 6 Years	Budget Year FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond 6 Years
<b>EXPENDITURE</b>											
PLANS	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	3,709	692	1,180	1,837	1,837	—	—	—	—	—	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	791	791	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$4,500</b>	<b>\$1,483</b>	<b>\$1,180</b>	<b>\$1,837</b>	<b>\$1,837</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>
<b>FUNDING</b>											
OTHER	\$4,500	\$4,500	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
<b>TOTAL</b>	<b>\$4,500</b>	<b>\$4,500</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>
<b>OPERATING IMPACT</b>											
PERSONNEL	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
OPERATING	—	—	—	—	—	—	—	—	—	—	—
DEBT	—	—	—	—	—	—	—	—	—	—	—
OTHER	—	—	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>



**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), Maryland Department of the Environment (MDE), Washington Suburban Sanitary Commission (WSSC) and the Public Service Commission, as well as landfill infrastructure necessary to maintain operations.

**Highlights:** In the FY 2020 CIP, funding will be used to begin design on the Landfill Area C in-fill project and replacement of the main pipeline along Brown Station Road that distributes landfill gas to the County Correctional Facility. The current pipeline is 31 years of age and continues to fail.

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

**PROJECT MILESTONES**

	Estimate	Actual
1 <sup>st</sup> Year in Capital Program		FY 1978
1 <sup>st</sup> Year in Capital Budget		FY 1978
Completed Design		Ongoing
Began Construction		Ongoing
Project Completion	FY 2026	

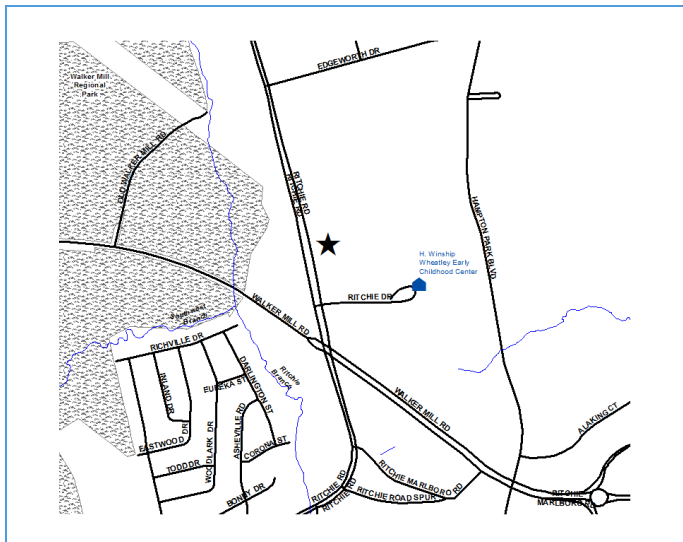
**Enabling Legislation:** Not Applicable

**CUMULATIVE APPROPRIATION (000'S)**

Life to Date	FY 2019 Estimate	FY 2020	Total
\$138,218	\$1,330	\$13,850	\$153,398

**Project Summary**

Category/Description	Total Project Cost	Life to Date Actual	FY 2019 Estimate	Total 6 Years	Budget Year FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond 6 Years
<b>EXPENDITURE</b>											
PLANS	\$4,483	\$1,102	\$31	\$3,350	\$2,350	\$500	\$500	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	80,056	6,631	722	72,553	11,500	6,622	5,180	18,513	18,213	12,525	150
EQUIP	675	98	577	—	—	—	—	—	—	—	—
OTHER	130,387	130,387	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$215,601</b>	<b>\$138,218</b>	<b>\$1,330</b>	<b>\$75,903</b>	<b>\$13,850</b>	<b>\$7,122</b>	<b>\$5,680</b>	<b>\$18,513</b>	<b>\$18,213</b>	<b>\$12,525</b>	<b>\$150</b>
<b>FUNDING</b>											
REVENUE	\$185,699	\$109,646	\$—	\$75,903	\$13,850	\$7,122	\$5,680	\$18,513	\$18,213	\$12,525	\$150
OTHER	29,902	29,902	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$215,601</b>	<b>\$139,548</b>	<b>\$—</b>	<b>\$75,903</b>	<b>\$13,850</b>	<b>\$7,122</b>	<b>\$5,680</b>	<b>\$18,513</b>	<b>\$18,213</b>	<b>\$12,525</b>	<b>\$150</b>
<b>OPERATING IMPACT</b>											
PERSONNEL	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
OPERATING	—	—	—	—	—	—	—	—	—	—	—
DEBT	—	—	—	—	—	—	—	—	—	—	—
OTHER	—	—	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>



**Description:** This project includes the addition of a plastics optical sorter, commercial truck weighing scale, facility parking lot and operational inbound and outbound road paving, fire control panel upgrades, A/C replacement and other infrastructure projects.

**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. The plastics optical sorter will help mitigate the financial impacts of the China ban. The scale replacement ensures compliance with the Maryland Department of Weights and Transportation. The paving provides the necessary ingress and egress to the facility and other items ensure the safety and operational functionality of the plant.

**Highlights:** In FY 2020, \$5.1 million is budgeted to purchase a plastics optical sorter. The installation of the sorter will provide increased commodities revenue for plastics and ensure accurate weights for manifests and tipping fees. The total project cost increases mainly due to the increase of the plastics optical.

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

**Enabling Legislation:** Not Applicable

**PROJECT MILESTONES**

	Estimate	Actual
1 <sup>st</sup> Year in Capital Program		FY 2016
1 <sup>st</sup> Year in Capital Budget		FY 2016
Completed Design		Ongoing
Began Construction		Ongoing
Project Completion	FY 2026	

**CUMULATIVE APPROPRIATION (000'S)**

Life to Date	FY 2019 Estimate	FY 2020	Total
\$744	\$624	\$6,138	<b>\$7,506</b>

**Project Summary**

Category/Description	Total Project Cost	Life to Date Actual	FY 2019 Estimate	Total 6 Years	Budget Year FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond 6 Years
<b>EXPENDITURE</b>											
PLANS	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	1,380	—	345	928	295	205	107	107	107	107	107
EQUIP	6,866	744	279	5,843	5,843	—	—	—	—	—	—
OTHER	—	—	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$8,246</b>	<b>\$744</b>	<b>\$624</b>	<b>\$6,771</b>	<b>\$6,138</b>	<b>\$205</b>	<b>\$107</b>	<b>\$107</b>	<b>\$107</b>	<b>\$107</b>	<b>\$107</b>
<b>FUNDING</b>											
REVENUE	\$8,246	\$1,368	\$—	\$6,771	\$6,138	\$205	\$107	\$107	\$107	\$107	\$107
<b>TOTAL</b>	<b>\$8,246</b>	<b>\$1,368</b>	<b>\$—</b>	<b>\$6,771</b>	<b>\$6,138</b>	<b>\$205</b>	<b>\$107</b>	<b>\$107</b>	<b>\$107</b>	<b>\$107</b>	<b>\$107</b>
<b>OPERATING IMPACT</b>											
PERSONNEL	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
OPERATING	—	—	—	—	—	—	—	—	—	—	—
DEBT	—	—	—	—	—	—	—	—	—	—	—
OTHER	—	—	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>



**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 in approximately 10,000 animals per year and serves the entire County. However, the north/northwestern area of the County contains the highest number of licensed pets, the highest adoption rates and the highest demand for services.

**Highlights:** The feasibility study has been completed and it was determined that an approximately 12,000 square-foot, adoption center in North County would be the best option to accept incoming animals from local animal control municipalities or owner relinquishments and house only adoptable animals. A committee to determine the exact location and operational needs is being formed.

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

**PROJECT MILESTONES**

	Estimate	Actual
1 <sup>st</sup> Year in Capital Program		FY 2018
1 <sup>st</sup> Year in Capital Budget		FY XXXX
Completed Design	FY 2021	
Began Construction	FY 2022	
Project Completion	FY 2023	

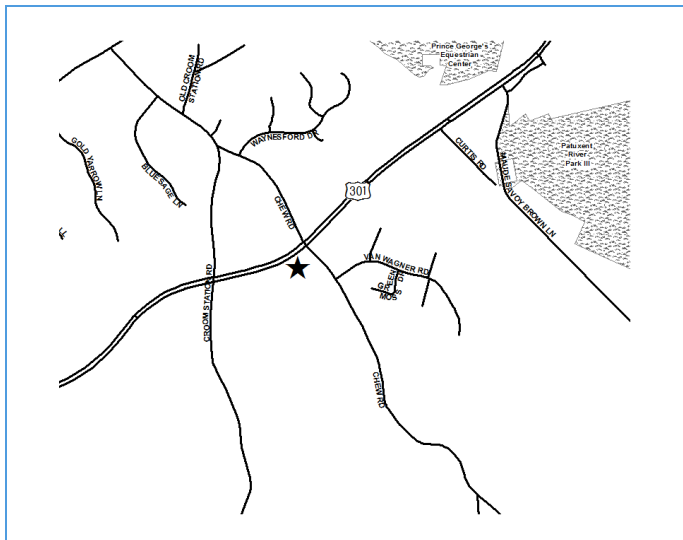
**Enabling Legislation:** Not Applicable

**CUMULATIVE APPROPRIATION (000'S)**

Life to Date	FY 2019 Estimate	FY 2020	Total
\$0	\$0	\$0	\$0

**Project Summary**

Category/Description	Total Project Cost	Life to Date Actual	FY 2019 Estimate	Total 6 Years	Budget Year FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond 6 Years
<b>EXPENDITURE</b>											
PLANS	\$750	\$—	\$—	\$750	\$—	\$750	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	6,386	—	—	6,386	—	—	3,193	3,193	—	—	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	—	—	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$7,136</b>	<b>\$—</b>	<b>\$—</b>	<b>\$7,136</b>	<b>\$—</b>	<b>\$750</b>	<b>\$3,193</b>	<b>\$3,193</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>
<b>FUNDING</b>											
GO BONDS	\$7,136	\$—	\$—	\$7,136	\$—	\$750	\$3,193	\$3,193	\$—	\$—	\$—
<b>TOTAL</b>	<b>\$7,136</b>	<b>\$—</b>	<b>\$—</b>	<b>\$7,136</b>	<b>\$—</b>	<b>\$750</b>	<b>\$3,193</b>	<b>\$3,193</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>
<b>OPERATING IMPACT</b>											
PERSONNEL	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
OPERATING	—	—	—	—	—	—	—	—	—	—	—
DEBT	—	—	—	—	—	—	—	—	—	—	—
OTHER	—	—	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>



**Description:** This project includes 3,000 organics residential collection carts and facility needs including a grinder to handle the volume of incoming material, as well as, an automated winder to handle the GORE covers. Includes stormwater management pond reconstruction. An additional 3,000 households will be included in the combined yard trim and food scrap curbside collection program.

**Justification:** The County's organics composting facility plays a major role in achieving the County's Zero Waste goals. Composting is an aerobic (oxygen-dependent) degradation process, carried out by microbial activity under controlled conditions, by which organic waste decomposes and is turned into a popular soil amendment called Leafgro and Leafgro GOLD. The Soil Conservation District requires the stormwater management pond to be reconstructed to ensure compliance with the management of surface water over the 52 acre impervious area.

**Highlights:** In FY 2020, \$1.75 million is budgeted for the stormwater management pond repair initiative required by the Soil Conservation District.

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

**PROJECT MILESTONES**

	Estimate	Actual
1 <sup>st</sup> Year in Capital Program		FY 2013
1 <sup>st</sup> Year in Capital Budget		FY 2013
Completed Design		FY 2018
Began Construction		FY 2018
Project Completion	FY 2020	

**Enabling Legislation:** Not Applicable

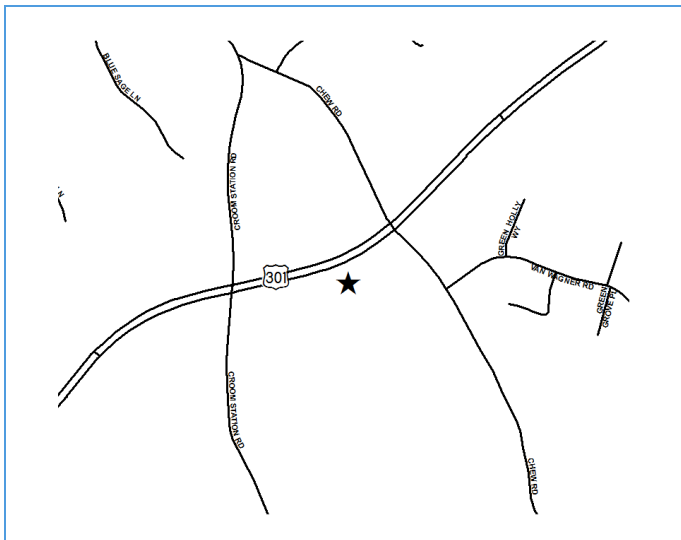
**CUMULATIVE APPROPRIATION (000'S)**

Life to Date	FY 2019 Estimate	FY 2020	Total
\$6,260	\$1,125	\$2,651	<b>\$10,036</b>

**Project Summary**

Category/Description	Total Project Cost	Life to Date Actual	FY 2019 Estimate	Total 6 Years	Budget Year FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond 6 Years
<b>EXPENDITURE</b>											
PLANS	\$643	\$643	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	7,453	5,617	—	1,836	1,836	—	—	—	—	—	—
EQUIP	1,940	—	1,125	815	815	—	—	—	—	—	—
OTHER	—	—	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$10,036</b>	<b>\$6,260</b>	<b>\$1,125</b>	<b>\$2,651</b>	<b>\$2,651</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>
<b>FUNDING</b>											
REVENUE	\$10,036	\$6,335	\$1,161	\$2,540	\$2,540	\$—	\$—	\$—	\$—	\$—	\$—
<b>TOTAL</b>	<b>\$10,036</b>	<b>\$6,335</b>	<b>\$1,161</b>	<b>\$2,540</b>	<b>\$2,540</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>
<b>OPERATING IMPACT</b>											
PERSONNEL	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
OPERATING	—	—	—	—	—	—	—	—	—	—	—
DEBT	—	—	—	—	—	—	—	—	—	—	—
OTHER	—	—	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>





**Description:** This project will implement the County's Resource Recovery Master Plan. Currently under development, the plan will provide a framework for a sound, cost-effective, and long-term, environmentally comprehensive resource recovery and waste management system for the County. Alternatives will include: upgrades to convenience centers; additional homeowner recycling drop-off centers and/or a resource recovery park; and options for managing waste for which resource recovery is not possible (i.e., residue).

**Justification:** The Resource Recovery System provides selective extraction of disposed materials for a specific next use, such as recycling, composting, delay the consumption of virgin resources and reduce the amount of waste generated. 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:** Funding is for upgrades needed for convenience centers.

**Enabling Legislation:** Not Applicable

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

**PROJECT MILESTONES**

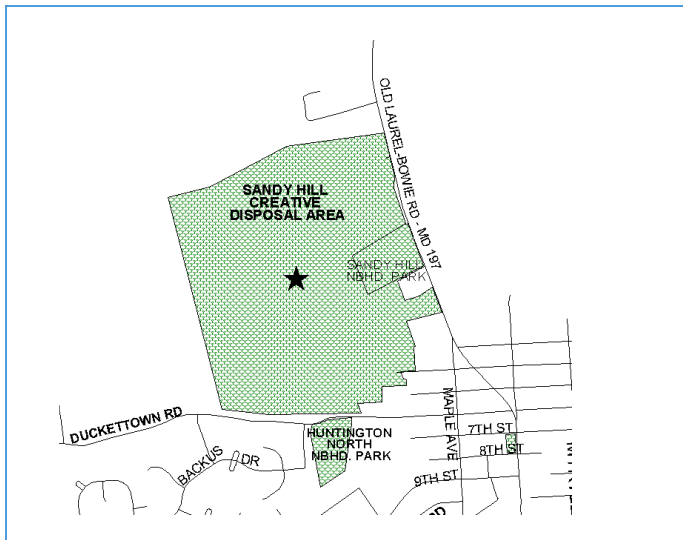
	Estimate	Actual
1 <sup>st</sup> Year in Capital Program		FY 1997
1 <sup>st</sup> Year in Capital Budget		FY 1997
Completed Design	FY 2020	
Began Construction	FY 2020	
Project Completion	FY 2022	

**CUMULATIVE APPROPRIATION (000'S)**

Life to Date	FY 2019 Estimate	FY 2020	Total
\$1,497	\$0	\$600	\$2,097

**Project Summary**

Category/Description	Total Project Cost	Life to Date Actual	FY 2019 Estimate	Total 6 Years	Budget Year FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond 6 Years
<b>EXPENDITURE</b>											
PLANS	\$649	\$49	\$—	\$600	\$600	\$—	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	3,456	56	—	3,400	—	1,700	1,700	—	—	—	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	1,392	1,392	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$5,497</b>	<b>\$1,497</b>	<b>\$—</b>	<b>\$4,000</b>	<b>\$600</b>	<b>\$1,700</b>	<b>\$1,700</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>
<b>FUNDING</b>											
REVENUE	\$4,347	\$540	\$—	\$3,807	\$407	\$1,700	\$1,700	\$—	\$—	\$—	\$—
OTHER	1,150	1,150	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$5,497</b>	<b>\$1,690</b>	<b>\$—</b>	<b>\$3,807</b>	<b>\$407</b>	<b>\$1,700</b>	<b>\$1,700</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>
<b>OPERATING IMPACT</b>											
PERSONNEL	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
OPERATING	—	—	—	—	—	—	—	—	—	—	—
DEBT	—	—	—	—	—	—	—	—	—	—	—
OTHER	—	—	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>



**Description:** This project provides funding for the operation and management activities at Sandy Hill Landfill as mandated by the Maryland Department of the Environment (MDE) for post-closure care. These activities include: management of leachate, ground and surface water monitoring, landfill cap expenses and landfill gas compliance management and monitoring. Additional projects are as required by the 2011 consent order with MDE. It is anticipated that this consent order will be in effect several more years (through FY 2022). New projects will include installing additional compliance monitoring wells in the groundwater network and the landfill gas system to enhance performance, maintain compliance, and comply with consent order mandates.

Location		Status	
<b>Address</b>	Old Laurel Bowie Road, Bowie	<b>Project Status</b>	Under Construction
<b>Council District</b>	Four	<b>Class</b>	Addition
<b>Planning Area</b>	Bowie Vicinity	<b>Land Status</b>	Acquisition complete

**Justification:** This project is included in the County's 10 Year Solid Waste Management Plan as proposed by the County Executive and approved by the County Council.

**Highlights:** FY 2020 funding is for continued progress with design needs for post-closure care, replacing of several compliance monitoring wells and compliance requirements.

**Enabling Legislation:** Not Applicable

**PROJECT MILESTONES**

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

**CUMULATIVE APPROPRIATION (000'S)**

Life to Date	FY 2019 Estimate	FY 2020	Total
\$29,836	\$810	\$1,536	\$32,182

**Project Summary**

Category/Description	Total Project Cost	Life to Date Actual	FY 2019 Estimate	Total 6 Years	Budget Year FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond 6 Years
<b>EXPENDITURE</b>											
PLANS	\$483	\$483	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	21,361	2,930	810	16,661	1,536	1,335	6,635	5,235	960	960	960
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	26,423	26,423	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$48,267</b>	<b>\$29,836</b>	<b>\$810</b>	<b>\$16,661</b>	<b>\$1,536</b>	<b>\$1,335</b>	<b>\$6,635</b>	<b>\$5,235</b>	<b>\$960</b>	<b>\$960</b>	<b>\$960</b>
<b>FUNDING</b>											
REVENUE	\$32,521	\$14,900	\$—	\$16,661	\$1,536	\$1,335	\$6,635	\$5,235	\$960	\$960	\$960
OTHER	15,746	15,746	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$48,267</b>	<b>\$30,646</b>	<b>\$—</b>	<b>\$16,661</b>	<b>\$1,536</b>	<b>\$1,335</b>	<b>\$6,635</b>	<b>\$5,235</b>	<b>\$960</b>	<b>\$960</b>	<b>\$960</b>
<b>OPERATING IMPACT</b>											
PERSONNEL	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
OPERATING	—	—	—	—	—	—	—	—	—	—	—
DEBT	—	—	—	—	—	—	—	—	—	—	—
OTHER	—	—	—	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>	<b>\$—</b>