

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 2024 Funding Sources

- Other – 6.2%
- Revenue Bonds – 93.8%

FY 2024-2029 Program Highlights

- Funding for the Organics Composting Facility project supports the completion of the reconstruction of a stormwater management pond and the purchase of organic carts to support the food scrap composting program.
- FY 2024 funding for the Brown Station Landfill project will be used to continue the design of the Landfill Area C in-fill project and for obtaining associated permits, completing the landfill gas pipeline between Brown Station Road Sanitary Landfill and the Department of Corrections as well as the construction of the Leachate Pre-Treatment Plant.
- In FY 2024, Sandy Hill Sanitary Landfill funding will support slope and perimeter cap repairs, groundwater management and design needs for post-closure care.
- Various projects will be completed in FY 2024 at the Materials Recycling Facility including roof repairs, floor concrete and pavement work.

New Projects

None

Deleted Projects

None

Revised Projects

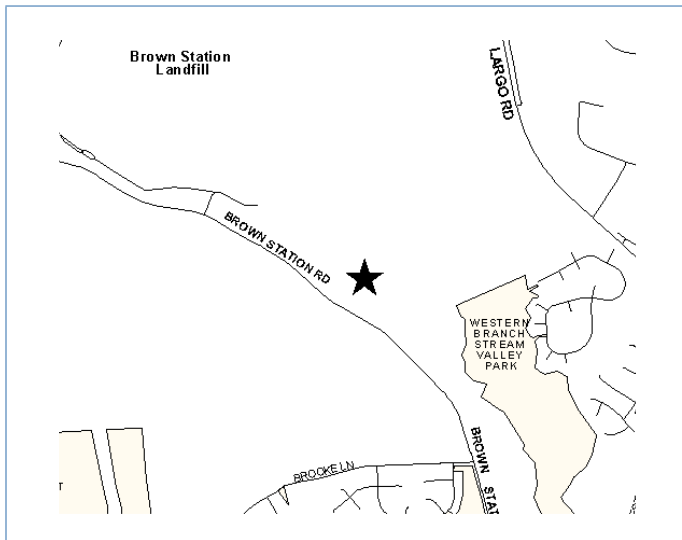
Project Name	Alternate Funding Source Required	Revisions			
		Total Project Cost Increase	Total Project Cost Decrease	Project Schedule Delayed	Project Schedule Accelerated
Brown Station Landfill Construction		X		X	
Materials Recycling Facility		X			
Organics Composting Facility		X			

Program Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2023 Estimate	Total 6 Years	Budget Year FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Beyond 6 Years
EXPENDITURE											
PLANS	\$12,385	\$4,153	\$1,744	\$6,488	\$1,542	\$996	\$3,150	\$800	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	118,057	26,275	30,074	61,708	20,401	20,343	210	17,553	3,201	—	—
EQUIP	22,895	18,901	984	3,010	3,010	—	—	—	—	—	—
OTHER	169,131	158,202	10,929	—	—	—	—	—	—	—	—
TOTAL	\$322,468	\$207,531	\$43,731	\$71,206	\$24,953	\$21,339	\$3,360	\$18,353	\$3,201	\$—	\$—
FUNDING											
GO BONDS	\$7,136	\$—	\$—	\$7,136	\$—	\$—	\$750	\$3,193	\$3,193	\$—	\$—
REVENUE	255,650	173,929	19,201	62,520	23,403	21,339	2,610	15,160	8	—	—
FEDERAL	1,550	—	—	1,550	1,550	—	—	—	—	—	—
OTHER	58,132	49,132	9,000	—	—	—	—	—	—	—	—
TOTAL	\$322,468	\$223,061	\$28,201	\$71,206	\$24,953	\$21,339	\$3,360	\$18,353	\$3,201	\$—	\$—
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 and Vicinity	Six	Addition	\$231,307	Ongoing
5.54.0020	Materials Recycling Facility	1000 Ritchie Road, Upper Marlboro	Upper Marlboro and Vicinity	Six	Rehabilitation	13,258	Ongoing
3.54.0002	North County Animal Shelter	Location Not Determined	Not Assigned	Not Assigned	New Construction	7,136	FY 2029
3.54.0001	Organics Composting Facility	6550 Crain Highway, Upper Marlboro	Upper Marlboro and Vicinity	Seven	New Construction	21,531	FY 2024
5.54.0004	Resource Recovery Park	3501 Brown Station Road, Upper Marlboro	Upper Marlboro and Vicinity	Six	New Construction	5,497	FY 2027
5.54.0003	Sandy Hill Sanitary Landfill	Old Laurel Bowie Road, Bowie	Bowie Vicinity	Four	Addition	43,739	FY 2028
Program Total						\$322,468	
NUMBER OF PROJECTS = 6							



Description: This project includes Brown Station Road Sanitary Landfill (BSRSL) Area C in-fill (extending the County's landfill capacity to the year 2045 or beyond), Leachate Pre-Treatment Plant upgrades, Phase V Landfill Gas work, Stormwater Control Structures, replacement of landfill gas pipeline and various infrastructure projects.

Justification: Projects at the landfill provide for continued operational and regulatory compliance and funding for major compliance projects mandated by the US EPA, MDE, WSSC, and the Public Service Commission.

Highlights: FY 2024 CIP funding will be used to continue the design of the Area C project and associated permits; replacement and commission of the Landfill Gas pipeline between BSRSL and DOC; construct the BSRSL Leachate Pre-Treatment Plant; relocate the Household Hazardous Waste and Resource Diversion Lots; conduct Scalehouse and Access Road Improvements and manage various infrastructure projects. The total project costs increase reflects the projected costs of capping Area B.

Location		Status	
Address	Brown Station Road, Upper Marlboro	Project Status	Under Construction
Council District	Six	Class	Addition
Planning Area	Upper Marlboro and 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

Enabling Legislation: Not Applicable

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2023 Estimate	FY 2024	Total
\$153,274	\$30,033	\$14,228	\$197,535

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2023 Estimate	Total 6 Years	Budget Year FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Beyond 6 Years
EXPENDITURE											
PLANS	\$6,960	\$2,978	\$1,744	\$2,238	\$1,542	\$696	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	82,921	14,751	22,408	45,762	12,686	18,926	—	14,150	—	—	—
EQUIP	5,158	5,158	—	—	—	—	—	—	—	—	—
OTHER	136,268	130,387	5,881	—	—	—	—	—	—	—	—
TOTAL	\$231,307	\$153,274	\$30,033	\$48,000	\$14,228	\$19,622	\$—	\$14,150	\$—	\$—	\$—
FUNDING											
REVENUE	\$192,405	\$127,021	\$17,384	\$48,000	\$14,228	\$19,622	\$—	\$14,150	\$—	\$—	\$—
OTHER	38,902	29,902	9,000	—	—	—	—	—	—	—	—
TOTAL	\$231,307	\$156,923	\$26,384	\$48,000	\$14,228	\$19,622	\$—	\$14,150	\$—	\$—	\$—
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 a 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 2024, funding is included for roof repairs, equipment and floor concrete replacement.

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 and 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 2023 Estimate	FY 2024	Total
\$8,944	\$1,782	\$2,425	\$13,151

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2023 Estimate	Total 6 Years	Budget Year FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Beyond 6 Years
EXPENDITURE											
PLANS	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	4,389	875	982	2,532	2,425	107	—	—	—	—	—
EQUIP	8,869	8,069	800	—	—	—	—	—	—	—	—
OTHER	—	—	—	—	—	—	—	—	—	—	—
TOTAL	\$13,258	\$8,944	\$1,782	\$2,532	\$2,425	\$107	\$—	\$—	\$—	\$—	\$—
FUNDING											
REVENUE	\$13,258	\$9,994	\$732	\$2,532	\$2,425	\$107	\$—	\$—	\$—	\$—	\$—
TOTAL	\$13,258	\$9,994	\$732	\$2,532	\$2,425	\$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 design is slated to commence during FY 2025.

Enabling Legislation: CB-47-2014

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

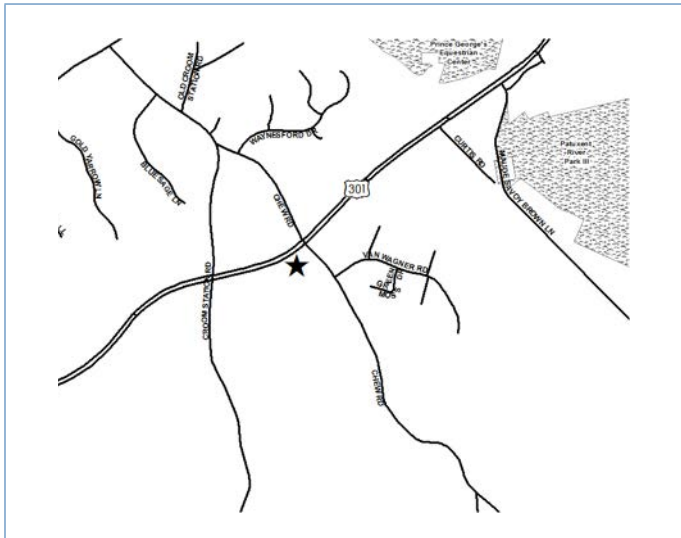
	Estimate	Actual
1 st Year in Capital Program		FY 2018
1 st Year in Capital Budget		FY XXXX
Completed Design	FY 2025	
Began Construction	FY 2027	
Project Completion	FY 2029	

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2023 Estimate	FY 2024	Total
\$0	\$0	\$0	\$0

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2023 Estimate	Total 6 Years	Budget Year FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	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. Organics carts will expand the residential food scrap composting program in accordance with Council Bill CB-87-2012.

Highlights: FY 2024 funding supports the construction of stormwater management pond upgrades, the purchase of essential equipment, and site repaving.

Enabling Legislation: Not Applicable

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

PROJECT MILESTONES

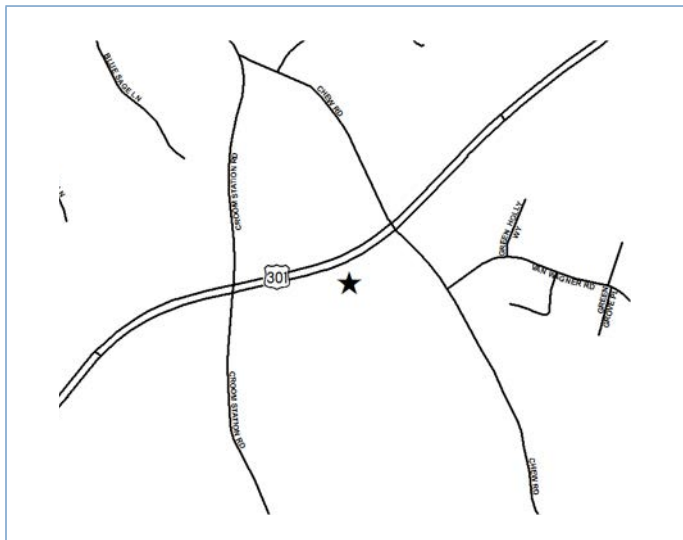
	Estimate	Actual
1 st Year in Capital Program		FY 2013
1 st Year in Capital Budget		FY 2013
Completed Design		FY 2018
Began Construction		FY 2018
Project Completion	FY 2024	

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2023 Estimate	FY 2024	Total
\$12,753	\$5,668	\$3,110	\$21,531

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2023 Estimate	Total 6 Years	Budget Year FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Beyond 6 Years
EXPENDITURE											
PLANS	\$643	\$643	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	12,434	6,850	5,484	100	100	—	—	—	—	—	—
EQUIP	8,454	5,260	184	3,010	3,010	—	—	—	—	—	—
OTHER	—	—	—	—	—	—	—	—	—	—	—
TOTAL	\$21,531	\$12,753	\$5,668	\$3,110	\$3,110	\$—	\$—	\$—	\$—	\$—	\$—
FUNDING											
REVENUE	\$17,647	\$15,903	\$184	\$1,560	\$1,560	\$—	\$—	\$—	\$—	\$—	\$—
FEDERAL	1,550	—	—	1,550	1,550	—	—	—	—	—	—
OTHER	2,334	2,334	—	—	—	—	—	—	—	—	—
TOTAL	\$21,531	\$18,237	\$184	\$3,110	\$3,110	\$—	\$—	\$—	\$—	\$—	\$—
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 10 Year Solid Waste Plan. Funding supports the North County Convenience Center and the Missouri Ave Convenience Center renovations.

Justification: Resource recovery is consistent with the principles of zero waste. It 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: Work on convenience centers will re-commence during FY 2024.

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 and Vicinity	Land Status	Publicly Owned Land

PROJECT MILESTONES

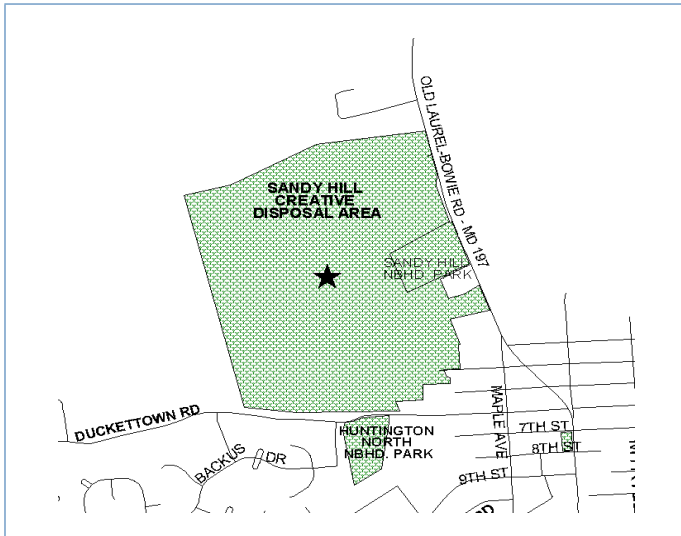
	Estimate	Actual
1 st Year in Capital Program		FY 1997
1 st Year in Capital Budget		FY 1997
Completed Design		FY 2020
Began Construction		FY 2020
Project Completion	FY 2027	

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2023 Estimate	FY 2024	Total
\$1,497	\$800	\$0	\$2,297

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2023 Estimate	Total 6 Years	Budget Year FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Beyond 6 Years
EXPENDITURE											
PLANS	\$3,249	\$49	\$—	\$3,200	\$—	\$—	\$2,400	\$800	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	856	56	800	—	—	—	—	—	—	—	—
EQUIP	—	—	—	—	—	—	—	—	—	—	—
OTHER	1,392	1,392	—	—	—	—	—	—	—	—	—
TOTAL	\$5,497	\$1,497	\$800	\$3,200	\$—	\$—	\$2,400	\$800	\$—	\$—	\$—
FUNDING											
REVENUE	\$4,347	\$946	\$201	\$3,200	\$—	\$—	\$2,400	\$800	\$—	\$—	\$—
OTHER	1,150	1,150	—	—	—	—	—	—	—	—	—
TOTAL	\$5,497	\$2,096	\$201	\$3,200	\$—	\$—	\$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. Work includes replacement of nonperforming gas wells and extraction components; construction of a groundwater cut off wall; repair of the leachate conveyance system and construction of stormwater structures.

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

Highlights: FY 2024 funding provides for the design, permitting and construction of various projects including stormwater management structures, groundwater wells, the leachate conveyance and storage system, perimeter road and facility maintenance repairs.

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 2028	

CUMULATIVE APPROPRIATION (000'S)

Life to Date	FY 2023 Estimate	FY 2024	Total
\$31,063	\$5,448	\$5,190	\$41,701

Project Summary

Category/Description	Total Project Cost	Life to Date Actual	FY 2023 Estimate	Total 6 Years	Budget Year FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Beyond 6 Years
EXPENDITURE											
PLANS	\$783	\$483	\$—	\$300	\$—	\$300	\$—	\$—	\$—	\$—	\$—
LAND	—	—	—	—	—	—	—	—	—	—	—
CONSTR	11,071	3,743	400	6,928	5,190	1,310	210	210	8	—	—
EQUIP	414	414	—	—	—	—	—	—	—	—	—
OTHER	31,471	26,423	5,048	—	—	—	—	—	—	—	—
TOTAL	\$43,739	\$31,063	\$5,448	\$7,228	\$5,190	\$1,610	\$210	\$210	\$8	\$—	\$—
FUNDING											
REVENUE	\$27,993	\$20,065	\$700	\$7,228	\$5,190	\$1,610	\$210	\$210	\$8	\$—	\$—
OTHER	15,746	15,746	—	—	—	—	—	—	—	—	—
TOTAL	\$43,739	\$35,811	\$700	\$7,228	\$5,190	\$1,610	\$210	\$210	\$8	\$—	\$—
OPERATING IMPACT											
PERSONNEL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	
OPERATING				—	—	—	—	—	—	—	
DEBT				—	—	—	—	—	—	—	
OTHER				—	—	—	—	—	—	—	
TOTAL				\$—	\$—	\$—	\$—	\$—	\$—	\$—	

