

Capital Budget

Program Overview

The Facilities Management Department Division of Planning and Construction develops school facilities that meet student population and educational program requirements. The department is responsible for managing planning and construction activities that are coordinated for the purposes of modernizing, renovating and improving educational facilities for the students and staff of HCPS. The department utilizes demographic information, educational specifications, procurement practices, architectural and engineering parameters, and budget data to deliver planning and construction related services in support of High Student Achievement.

Each year the Board of Education, school staff, and community, review and analyze the Capital Improvement Program (CIP) for the Board to establish priorities as it secures future funding. This review includes the status of county and state funding levels from the previous fiscal year, the volume and status of current approved capital projects, an analysis of enrollments and capacities, and a study of population growth within Harford County. In addition, information obtained from system wide building evaluations, a review of project categories, and the infusion of technology into our facilities are considered.

All construction projects are budgeted in the School Construction Fund, which is often referred to as the Capital Budget. School construction is budgeted on a project basis. Projects may be funded over several years and allocations may be carried forward over multiple years until completion.

The Harford County Board of Education lacks taxing authority and remains revenue dependent upon Harford County Government and the State of Maryland to fund the Capital Budget. State funds are approved based on the recommendations of the Interagency Committee on School Construction (IAC).

The Capital Improvement Plan is managed by the Facilities Management Department Division of Planning and Construction, and the Office of Operations. Harford County Public Schools has developed a multi-year capital improvement plan and updates the plan annually based on changing enrollments and conditions of schools. The School Construction Fund accounting is handled by the Finance Department in Business Services.

Harford County Public Schools School Construction Fund Capital Projects					
	Actual FY 2015	Actual FY 2016	Actual FY 2017	Budget FY 2017	Budget FY 2018
Revenues .					
State	\$15,125,970	\$9,514,383	\$3,963,370	\$8,732,000	\$13,592,000
Local	\$16,683,422	\$22,676,418	\$19,129,002	\$11,616,948	\$35,023,000
Federal	\$0	\$0	\$0	\$0	\$0
Other Revenue	\$485,240	\$820,031	\$484,396	\$0	\$0
Other Sources	\$40		\$0	\$0	\$0
Total Receipts	\$32,294,672	\$33,010,832	\$23,576,768	\$20,348,948	\$48,615,000
Expenditures	(\$33,669,871)	(\$33,285,201)	(\$23,576,768)	(\$20,348,948)	(\$48,615,000)
Revenues over/ (under) Expenditures	(\$1,375,199)	(\$274,369)	\$0	\$0	\$0
Other financing sources: Transfers					
Capital Projects Beginning Fund Balance	\$3,778,013	\$2,402,814	\$2,128,445	\$2,128,445	\$0
Capital Projects Ending Fund Balance	\$2,402,814	\$2,128,445	\$2,128,445	\$2,128,445	\$0

The school construction fund accounts for each project by recognizing revenues at the same time as related expenditures. Under the budgetary basis of accounting, this normally results in a fund balance of zero at the end of each period.

The school construction fund provides funding for the acquisition, construction, or improvements of capital expenditures. A capital expenditure is the amount used during a particular period to acquire or improve long-term assets such as property, plant, or equipment. Some expenditures in the capital budget were deemed capital by Harford County

Capital Budget

Government (i.e. Textbook/Supplemental Refresh), and are funded in the capital budget instead of the unrestricted operating budget.

Capital Improvement Impact on the Operating Budget

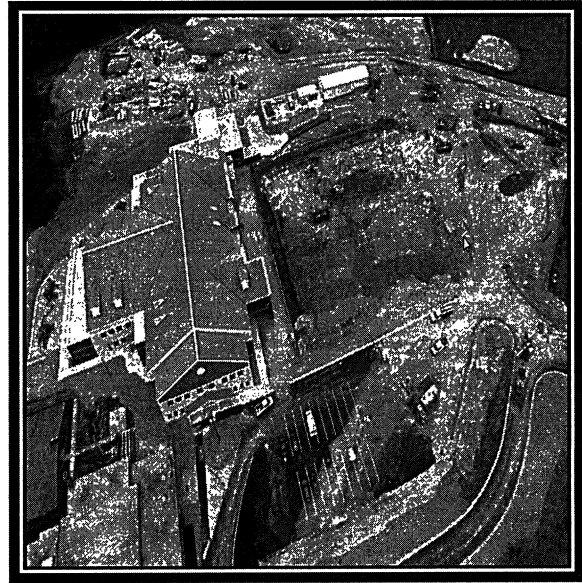
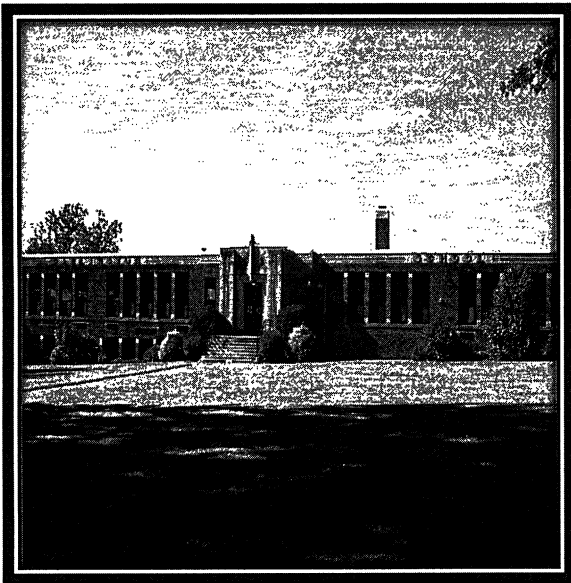
When the School Construction Fund pays for a new building or the expansion of a school, there is an impact on the Operating Budget. Staffing needs are determined by the executive directors of elementary, middle and high school, while the building maintenance needs are determined by the Executive Director of Facilities and the Assistant Superintendent of Operations.

As the Capital Improvement Plan is implemented, and facilities are expanded, the Board of Education will determine staffing additions based on:

- Enrollment projections,
- State rated capacities and percentages of utilization, and,
- Availability of operating funds.

While some of the capital improvements involve maintenance of facilities, which should help keep operational costs down, building expansions often involve shifting students from portable classrooms to permanent instructional facilities. This often minimizes the effect on the operating budget since the instructional support is already in place. Traditionally, when a new school opens, the Board of Education has provided supplemental budget allocations for the purchase of textbooks, library materials, and other related instructional items. The custodial staffing allocations are generally determined by square footage and special needs.

Each year, a review of the operating impact of new construction or renovations is undertaken and funds are requested during the budget development process. The county government determines the projects to be included in the capital program by their funding of the projects. Projects include new building construction, renovations, moderations, additions, roof repairs, HVAC repairs, textbooks, technology, and various other equipment or improvements.



Capital Budget

BOARD OF EDUCATION OF HARFORD COUNTY CAPITAL IMPROVEMENT PROCESS

DEVELOPMENT OF THE FY 2018 CAPITAL IMPROVEMENT PROGRAM

Each year, the Board of Education reviews and analyzes the capital needs of the school system. Factors such as the age of existing facilities, student enrollments, school capacity, population trends, residential development, and existing building systems are all studies to develop a list of capital priorities.

THE CAPITAL IMPROVEMENT SCHEDULE

October 2015 to April 2016.....	Superintendent's Technical Advisory Committee
January to May 2016	CIP Priorities List Developed
June 2016	Facilities Master Plan Approved
July 2016	First Reading of CIP to Board of Education
September 2016	Board of Education Adoption of CIP Priorities
September 2016	Presentation to Planning Advisory Board
October 2016.....	Presentation to Harford County Government
October 2016	Submission to Interagency Committee (IAC)
January 2017	Submission to Harford County Government
May 2017	Approved by Board of Public Works
June 2017.....	Approved by Harford County Council
July 2017	Funds Available

Additional Information provided in the Capital Budget section:

Capital Improvement Program – Fiscal Year 2018

- Details the current fiscal year capital projects for HCPS as approved by the State of Maryland and Harford County Government.

Individual Capital Project worksheets

- Details of each project presented for funding in the current fiscal year and the approved funding received from funding sources.

Harford County Public Schools Completed Capital Projects

- List of the capital projects completed since 1990.

BOARD OF EDUCATION OF HARFORD COUNTY
FISCAL YEAR 2018 - CAPITAL IMPROVEMENT PROGRAM
BOARD OF EDUCATION APPROVED CAPITAL BUDGET
June 12, 2017

PROJECT	HCPS PRIORITY	STATE PRIORITY	STATE APPROVED	LOCAL APPROVED	TOTAL APPROVED CAPITAL FUNDING
Major Projects					
Havre de Grace Middle/High School Replacement ^{1,2}		1	\$10,000,000	\$28,000,000	\$38,000,000
Bel Air Elementary School HVAC/Open Space		2	\$3,023,000	\$3,970,000	\$6,993,000
North Harford Elementary School Roof Replacement		3	\$569,000	\$495,000	\$1,064,000
Roye Williams Elementary School HVAC		4	N/A	N/A	\$0
Technology Refresh		N/A	N/A	\$1,000,000	\$1,000,000
CEO Annex and Training Areas HVAC Upgrades		N/A	N/A	N/A	\$0
North Harford HS Aquaculture Lab/Greenhouse		N/A	N/A	\$830,000	\$830,000
Harford Glen Generator and Commercial Dryers		N/A	N/A	N/A	\$0
Swimming Pool Renovations		N/A	N/A	\$353,000	\$353,000
Academic Mission Critical					
Special Ed Facility Improvements		N/A	N/A	N/A	\$0
Career & Tech Education Equipment Refresh		N/A	N/A	N/A	\$0
Music Technology Labs		N/A	N/A	N/A	\$0
Technology Education Lab Refresh		N/A	N/A	N/A	\$0
Textbook/Supplemental Refresh		N/A	N/A	N/A	\$0
Life Safety & Security					
Emergency Systems & Communications ³		N/A	N/A	N/A	\$0
Security Measures		N/A	N/A	N/A	\$0
Facility Mission Critical					
Stormwater Mgt, Erosion, Sediment Control		N/A	N/A	N/A	\$0
Major HVAC Repairs		N/A	N/A	\$25,000	\$25,000
Environmental Compliance		N/A	N/A	N/A	\$0
ADA Improvements		N/A	N/A	N/A	\$0
Septic Facility Code Upgrades		N/A	N/A	N/A	\$0
Cost of Doing Business					
Replacement Buses		N/A	N/A	\$250,000	\$250,000
Replacement Vehicles		N/A	N/A	N/A	\$0
Paving - Overlay and Maintenance		N/A	N/A	N/A	\$0
Athletic Fields Repair & Restoration		N/A	N/A	\$100,000	\$100,000
Domestic Water & Backflow Prevention ³		N/A	N/A	N/A	\$0
Floor Covering Replacement		N/A	N/A	N/A	\$0
Folding Partition Replacement		N/A	N/A	N/A	\$0
Outdoor Track Reconditioning		N/A	N/A	N/A	\$0
Paving - New Parking Areas		N/A	N/A	N/A	\$0
Playground Equipment		N/A	N/A	N/A	\$0
Building Envelope Improvements		N/A	N/A	N/A	\$0
Music Equipment Refresh		N/A	N/A	N/A	\$0
Equipment & Furniture Replacement		N/A	N/A	N/A	\$0
Energy Conservation Measures		N/A	N/A	N/A	\$0
Band Uniform Refresh		N/A	N/A	N/A	\$0
Bleacher Replacement		N/A	N/A	N/A	\$0
Locker Replacement		N/A	N/A	N/A	\$0
Relocatable Classrooms		N/A	N/A	N/A	\$0
Total		N/A	\$13,592,000	\$35,023,000	\$48,615,000

NOTES

¹ The state and local request amounts are subject to change.

² The Havre de Grace Middle/High School replacement calculations have been updated based on FY 2018 state criteria that was received on July 14, 2016.

Revised 6/13/17

PROJECT: HAVRE DE GRACE MIDDLE/HIGH REPLACEMENT SCHOOL

DISTRICT: Havre de Grace, MD **REQUEST NO:** 1 of 39 **TYPE OF PROJECT:** B144111

Project Description / Justification: The Havre de Grace High School consists of two (2) buildings with a main administration and classroom facility built in 1955. The building was renovated in 1984 and had additions built in 1958, 1971, 1976 and 1984. Constrained by the urban setting, the second building, part of the 1971 addition, was built across Congress Street and includes the auditorium, gymnasium, and music wing. Havre de Grace Middle School was built in 1967 and has had no major renovations or modernizations. A scope study was performed to evaluate options, and on 9/23/13, the Board of Education approved a recommendation to build a new building combining the middle and high school population in a single school. The Board of Public Works approved Local Planning for this project in the FY2015 CIP under the Sustainable Communities Program Educational Specifications and Schematic Design for the new building were approved by the BOE on August 4th and 18th (2014) respectively, for a new building of approximately 240,000 square feet and a combined state rated capacity of 1542.

Priority Band: 1 Major Construction
Project Schedule: Design Development - 11/1/14
 Construction Documents - Late Spring, 2017
 Construction to begin late summer, early fall, 2017, with building completion expected December, 2019.
 Demolition of existing buildings to follow

Project Status: Local Planning

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost				
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025		FY 2026	FY 2027		
Engineering/Design	3,950,000	1,000,000	4,950,000							4,950,000						4,950,000
Land Acquisition			0													0
Construction		37,000,000	37,000,000	43,831,000	6,621,000					87,452,000						87,452,000
Inspection Fees			0													0
Equip. / Furn.			0		6,200,000											6,200,000
Total Cost	3,950,000	38,000,000	41,950,000	43,831,000	12,821,000	0	0	0	0	98,602,000	0	0	0	0	0	98,602,000

FUNDING SCHEDULE

State		10,000,000	10,000,000	11,544,000													21,544,000
Local	3,950,000	28,000,000	31,950,000	32,287,000	12,821,000					77,058,000							77,058,000
Other			0														0
Harford Cty P & R			0														0
Harford Cty BOE			0														0
Total Funds	3,950,000	38,000,000	41,950,000	43,831,000	12,821,000	0	0	0	0	98,602,000	0	0	0	0	0	0	98,602,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost
 Annual Operating/Maintenance Cost
 New Positions (FTE's)

PROJECT MANAGER: Harry Miller

PROJECT: **Bel Air Elementary School HVAC Systemic Renovation & Open Space Enclosure** TYPE OF PROJECT
 COUNCIL DISTRICT: **Bel Air, MD** REQUEST NO: **2** of **39** PROJECT NUMBER **NEW**

Project Description / Justification: This project will address the replacement of the HVAC system in place at the school, with the exception of the chiller and associated pumps that were replaced in 2011. Additionally, the project will address the open space classroom configuration on the first floor by the erection of wall partitions and separate doors for each classroom. Fire sprinkler service will be extended to serve all the interior spaces. LED lighting for the school will be considered as an add alternate since Bel Air ES previously participated in fluorescent lighting upgrades. A back-up generator for the school and compliance with MEMIA will be considered under this project. The existing HVAC system consists of chiller / boiler, dual pipe HVAC system with unit ventilators / fan coils in the classrooms and offices. The cafeteria/stage and gymnasium are served by air handling units. The kindergarten area is served by multi-zone roof top unit. This project received full County Funding and partial State funding for FY 2018. The remainder of the State portion will be requested in FY 2019.

Priority Band **1** Major Construction

Project Schedule: Design summer/fall 2017. Bid spring of 2018. Construction to begin summer 2018 and take approximately six months.

Project Status: N/A Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design		1,710,000	1,710,000							1,710,000				1,710,000
Land Acquisition			0							0				0
Construction		5,133,000	5,133,000	568,000						5,701,000				5,701,000
Inspection Fees		150,000	150,000							150,000				150,000
Equip. / Furn.			0							0				0
Total Cost	0	6,993,000	6,993,000	568,000	0	0	0	0	0	7,561,000	0	0	0	7,561,000

FUNDING SCHEDULE

State	3,023,000	3,023,000	568,000							3,591,000				3,591,000
Local	3,970,000	3,970,000								3,970,000				3,970,000
Other		0	0							0				0
Total Funds	0	6,993,000	6,993,000	568,000	0	0	0	0	0	7,561,000	0	0	0	7,561,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost:
 New Positions (FTE's)

PROJECT MANAGER: Chuck Grebe

PROJECT: ROOF REPLACEMENT - North Harford Elementary School **TYPE OF PROJECT**
COUNCIL DISTRICT: LOCATION: Pylesville, Maryland **REQUEST NO:** 3 of 39 **PROJECT NUMBER** NEW
Project Description / Justification: The periodic replacement of roof systems is necessary to prevent damage to the interior of the building and to prevent indoor air quality issues. The roof at North Harford Elementary School is in need of replacement in FY 2018. Projects are submitted for funding consideration through the State Capital Improvement Plan request.

Priority Band 1 **Major Construction**

Project Schedule: Design: July - November 2017, Bid: February 2018 Award Contract: May 2018, Construction Start - June 2018, Construction Completion - August 2018

Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost						
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025		FY 2026	FY 2027				
Engineering/Design		159,000	159,000							159,000								159,000
Land Acquisition			0							0								0
Construction		905,000	905,000							905,000								905,000
Inspection Fees			0							0								0
Equip. / Furn.			0							0								0
Total Cost	0	1,064,000	1,064,000	0	0	0	0	0	0	1,064,000	0	0	0	0	0	0	0	1,064,000

FUNDING SCHEDULE

State	569,000	569,000																	569,000
Local	495,000	495,000																	495,000
Other																			0
Harford Cty P & R																			0
Harford Cty BOE																			0
State Reimburse																			0
Total Funds	0	1,064,000	1,064,000	0	0	0	0	0	0	1,064,000	0	0	0	0	0	0	0	1,064,000	

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost
 Annual Operating/Maintenance Cost
 New Positions (FTE's):

PROJECT MANAGER: Chuck Grebe

PROJECT: Roye Williams HVAC Systemic Renovation **TYPE OF PROJECT**
COUNCIL DISTRICT: Havre de Grace, MD **REQUEST NO:** 4 **of** 39 **PROJECT NUMBER** NEW
Project Description / Justification: The project will address the replacement and upgrade of the building's HVAC system as well as the replacement of the existing plumbing piping and select plumbing fixture replacement. A back-up generator will be added under this project and compliance with MEMA requirements will be considered

Funds were requested for FY 2018, but the project was deferred due to State fiscal constraint. This project will be considered for future years.

Priority Band 1 Major Construction

Project Schedule: Design summer/fall 2017 Bid spring of 2018 Construction to begin summer 2018 and take approximately six months

Financial Activity: Expended \$ Encumbered \$ Total \$
 Date \$ \$ \$

Project Status: N/A

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design		0	0	800,000						800,000				800,000
Land Acquisition			0							0				0
Construction		0	0	9,600,000						9,600,000				9,600,000
Inspection Fees		0	0	150,000						150,000				150,000
Equip. / Furn.			0							0				0
Total Cost	0	0	0	10,550,000	0	0	0	0	0	10,550,000	0	0	0	10,550,000

FUNDING SCHEDULE

State	0	4,410,000	4,410,000
Local	0	6,140,000	6,140,000
Other	0	0	0
Total Funds	0	10,550,000	10,550,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost:
 New Positions (FTE's):

PROJECT MANAGER: TBD

PROJECT: **TECHNOLOGY REFRESH** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 5 of 39 PROJECT NUMBER: B154117

Project Description / Justification: This project addresses critical annual investments required for a rapidly growing, technology rich environment. These investments are essential to maintain a high level of operational efficiency, avoid obsolescence, address increased bandwidth demands and preserve compatibility to industry standards for technology infrastructure components. This over-arching project includes refresh programs for instructional and administrative computers; network, information security, data storage and communications equipment; servers; and auditorium/gymnasium audio/video/theatrical lighting systems. The project also encompasses the integration of multi-media interactive technologies into classrooms to promote stronger student engagement. Additionally, the project is a strategic information technology collaboration involving all the government agencies to address current and future technology initiatives of Harford County. The future year projections represent a place holder. The Technology Department will provide a detailed estimate of costs.

The FY 2018 request was partially funded. The \$7,000,000 request submitted to the County represents a PARTIAL request of the \$14,372,000 required in FY 2018 to perform necessary upgrades. The \$1,000,000 in funding from the County for FY 2018 will go towards critical needs. Unfunded critical needs will be considered for future years.

Priority Band: 2 Academic Mission Critical

Project Schedule: N/A

Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0											0
Land Acquisition			0											0
Construction			0											0
Inspection Fees			0											0
Equip. / Furr.	25,855,371	1,000,000	26,855,371	10,400,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	0	0	0	97,255,371
Total Cost	25,855,371	1,000,000	26,855,371	10,400,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	0	0	0	97,255,371

FUNDING SCHEDULE

State			0												0
Local	14,204,131	1,000,000	15,204,131	10,400,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000					85,604,131
Other			0												0
HCPS BOE	7,866,386		7,866,386												7,866,386
Recycling Revenue	286,367		286,367												286,367
State Reimburse	3,498,487		3,498,487												3,498,487
Total Funds	25,855,371	1,000,000	26,855,371	10,400,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	0	0	0	0	97,255,371

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost
 Annual Operating/Maintenance Cost:
 New Positions (FTE's)

PROJECT MANAGER: Drew Moore

PROJECT: **North Harford HS Aquaculture Lab & Greenhouse** TYPE OF PROJECT
 COUNCIL DISTRICT: **Pylesville, MD** REQUEST NO: **7** of **39** PROJECT NUMBER **NEW**

Project Description / Justification: This project will provide programmatic upgrades to support the agricultural program at the school. Work to upgrade the greenhouse includes: replacing existing greenhouse system with new aluminum system and high performance glazing, above the existing foundation and masonry and removing the existing wall dividing the greenhouse into two spaces. Additionally, to improve greenhouse climate control, the project will add a shade mechanism such as a shading compound/paint (e.g. whitewash) or a retractable shade curtain, add new modern greenhouse temperature and ventilation control system, upsize existing geothermal heat pumps to meet the need of the greenhouse, and modify ductwork to optimize greenhouse airflow.

To accommodate the aquaculture lab, the project will convert the current head house to an aquaculture lab tank room and modify the current floral design room to also be utilized as a workshop for the greenhouse.

Priority Band **1** Major Construction

Project Schedule: Design summer/fall 2017 Bid winter of 2018 Construction to begin spring 2018 and be completed in the fall

Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design		65,000	65,000											65,000
Land Acquisition			0											0
Construction		750,000	750,000											750,000
Inspection Fees		15,000	15,000											15,000
Equip. / Furrn.			0											0
Total Cost	0	830,000	830,000	0	0	0	0	0	0	0	0	0	0	830,000

FUNDING SCHEDULE

	FY 2018 Budget	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	Total Project Cost
State							0					0
Local	830,000						830,000					830,000
Other							0					0
							0					0
							0					0
Total Funds	0	830,000	0	0	0	0	830,000	0	0	0	0	830,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost
 New Positions (FTE's):

PROJECT MANAGER: Harry Miller

PROJECT: Harford Glen Generator and Commercial Dryers TYPE OF PROJECT
COUNCIL DISTRICT: Pylesville, MD PROJECT NUMBER NEW
REQUEST NO: 8 of 39

Project Description / Justification: This project will provide the items required to reinstate the overnight program at Harford Glen. This includes a generator to support the two dormitories and dining hall and a commercial dryer for each dorm to address bed bug concerns.

Funds were requested for FY 2018, but were not granted

Priority Band 1 Major Construction

Project Schedule: Anticipated completion for this project is December, 2017

Project Status: N/A

Financial Activity: Expended \$ Encumbered \$ Total \$
 Date \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost				
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025		FY 2026	FY 2027		
Engineering/Design		0	0							0						0
Land Acquisition			0							0						0
Construction		0	0							0						0
Inspection Fees			0							0						0
Equip. / Furn.			0							0						0
Total Cost	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

FUNDING SCHEDULE

State																	0
Local	0		0														0
Other			0														0
			0														0
			0														0
Total Funds	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost:
 New Positions (FTEs)

PROJECT MANAGER: Mohan Kohli

PROJECT: SWIMMING POOL RENOVATIONS **TYPE OF PROJECT**
COUNCIL DISTRICT: LOCATION: Various **REQUEST NO:** 9 of 39 **PROJECT NUMBER**

Project Description / Justification: This budget category is used for renovation and replacement of the infrastructure for three (3) swimming pools that are located at Edgewood, Magnolia and North Harford Middle Schools. It will also be used to provide routine maintenance based on a professional plan. It addresses current, medium and long range maintenance needs to preserve the infrastructure and the filtration system, so that it can remain viable for many years to come.

Future projects for consideration:

- FY 2018 - North Harford Middle School - Replace the main drain and associated piping
- FY 2019 - Replace dehumidification units and Ceiling repairs (Removal and Paint) at Edgewood Middle School
- FY 2020 - Replace infrastructure at Edgewood, Magnolia and North Harford Middle School
- FY 2021 - Replace dehumidification units at North Harford MS
- FY 2022 - Additional maintenance and code compliance

Priority Band: 5 **Cost of Doing Business**
Project Schedule: N/A
Project Status: N/A

Financial Activity: Expended Encumbered Total
Date \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0											0
Land Acquisition			0											0
Construction	300,000	353,000	653,000	310,000	130,000	100,000	130,000	50,000	1,373,000					1,373,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	300,000	353,000	653,000	310,000	130,000	100,000	130,000	50,000	1,373,000	0	0	0	0	1,373,000

FUNDING SCHEDULE

State			0											0
Local		353,000	353,000	150,000	130,000	100,000	130,000	50,000	913,000					913,000
Other			0						0					0
State Reimburse	300,000		300,000						300,000					300,000
Total Funds	300,000	353,000	653,000	150,000	130,000	100,000	130,000	50,000	1,213,000	0	0	0	0	1,213,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
Annual Operating/Maintenance Cost:
New Positions (FTE's):

PROJECT MANAGER: Richard Hanzevack

PROJECT: SPECIAL EDUCATION FACILITIES IMPROVEMENTS **TYPE OF PROJECT**
COUNCIL DISTRICT: LOCATION: Various **REQUEST NO:** 10 of 39 **PROJECT NUMBER**
Project Description / Justification: This capital project funds the necessary renovation and upgrades for our facilities to comply with special education laws and mandates. The State and Local code mandates are unknown at this time, but can be issued without notice.

Funds were requested for FY 2018, but were not granted. The following will be considered in future years:
 Elementary children with autism require two additional classrooms - one with a bathroom, a sensory area and a seclusion room. Project requires planning, design, and construction.
 The addition of 2 middle school autism classrooms, one sensory room and one seclusion room. This need is to account for program growth based on elementary program growth.
 Add 2 life skills classrooms in high schools to meet growing needs of the 18-21 year old population.
 Enhance life skills classrooms in high schools to include independent living instruction (kitchen and laundry appliances). Facility improvements to meet special education needs and State and Local mandates.
 Enhance life skills classrooms in high schools to include independent living instruction (kitchen and laundry appliances). Facility improvements to meet special education needs and State and Local mandates.
 Enhance life skills classrooms in high schools to include independent living instruction (kitchen and laundry appliances). Facility improvements to meet special education needs and State and Local mandates.
 Enhance life skills classrooms in high schools to include independent living instruction (kitchen and laundry appliances). Facility improvements to meet special education needs and State and Local mandates.
 Enhance life skills classrooms in high schools to include independent living instruction (kitchen and laundry appliances). Facility improvements to meet special education needs and State and Local mandates.

Capital plans/funding are based on the implementation of IDEA and the compliance of laws and mandates associated with supporting students with disabilities in HCPS. Failure to address student needs may lead to litigation and much higher costs.

Priority Band: 2 **Academic Mission Critical**
Project Schedule: N/A
Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date: \$ \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0											0
Land Acquisition			0											0
Construction	200,000	0	200,000	350,000	100,000	100,000	100,000	100,000	100,000	950,000				950,000
Inspection Fees			0											0
Equip. / Furn.			0											0
Total Cost	200,000	0	200,000	350,000	100,000	100,000	100,000	100,000	100,000	950,000	0	0	0	950,000

FUNDING SCHEDULE

	State	Local	Other	HCPS BOE	State Reimburse	Total Funds
State	0	0	0	0	0	0
Local	0	350,000	0	0	0	350,000
Other	0	0	0	0	0	0
HCPS BOE	0	0	0	100,000	0	100,000
State Reimburse	0	0	0	100,000	100,000	200,000
Total Funds	0	350,000	0	100,000	100,000	950,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost:
 New Positions (FTE's):

PROJECT MANAGER: Susan Austin

PROJECT: CAREER AND TECHNOLOGY EDUCATION EQUIPMENT REFRESH TYPE OF PROJECT
COUNCIL DISTRICT: LOCATION: REQUEST NO: 11 of 39 PROJECT NUMBER B064130
 Various
Project Description / Justification: This project provides funds to upgrade equipment in 33 Maryland State Department of Education approved high school Career and Technology Education (CTE) programs which are designed to prepare students for the 21st Century's global economy and its rapidly changing workforce needs. These programs are implemented in the 9 comprehensive high schools as well as Harford Technical High School and the Alternative Education Program. The implementation of these programs is an essential component of the K-12 STEM Education Strategic Plan for Harford County Public Schools. Funds were approved by the Board of Education in 2004 to be renewed annually in the Capital Budget to replace the former State Categorical Grant set-aside money for CTE. Equipment upgrades are essential to maintain the industry standards and the requirements of postsecondary articulation agreements. Program Advisory Committees, including industry and postsecondary education representatives, help to annually review each program to determine equipment needs. Due to lack of funding in previous years, the needs for equipment replacement are growing. Sample upgrades include:

- Funds were requested for FY 2018, but were not granted
- The following will be considered in future years
 - Refresh computers, printers and scanners in the 24 labs that are used for the CTE programs in the Business, Finance and Information Technology Cluster on a four-five year cycle (current price is \$35,000 per classroom)
 - Replace instructional technology and laboratory equipment in the high schools that offer the 10 CTE programs in the Health and Human Services Career Cluster as needed (i.e. walk-in cooler @ \$19,700, Hobart commercial mixer @ \$2,040, ActivBoard @ \$4,600)
 - Replace instructional technology and machinery in the high schools that offer 14 CTE programs in the Science, Engineering and Technology Career Cluster as needed (i.e. milling machine @ \$17,000; frame aligning system @ \$90,000; refresh laptops @ \$18,000)
 - Purchase additional equipment to meet industry standards and postsecondary articulation agreements as CTE programs are added or expanded at the 10 county high schools (i.e. Pre-Engineering, Cyber Security, Biomedical Sciences)

Priority Band: 2 Academic Mission Critical
Project Schedule: N/A
Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost		
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025		FY 2026	FY 2027
Engineering/Design			0							0				0
Land Acquisition			0							0				0
Construction			0							0				0
Inspection Fees			0							0				0
Equip. / Furn.	750,000	0	750,000	100,000	100,000	100,000	100,000	100,000	100,000	1,250,000				1,250,000
Total Cost	750,000	0	750,000	100,000	100,000	100,000	100,000	100,000	100,000	1,250,000	0	0	0	1,250,000

FUNDING SCHEDULE

State			0							0				0
Local	400,000	0	400,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000				900,000
Other			0							0				0
HCPS BOE	300,000		300,000							300,000				300,000
State Reimburse	50,000		50,000							50,000				50,000
Total Funds	750,000	0	750,000	100,000	100,000	100,000	100,000	100,000	100,000	1,250,000	0	0	0	1,250,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost:
 New Positions (FTE's)

PROJECT MANAGER: TBD

PROJECT: **MUSIC TECHNOLOGY LABS PROGRAM** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 12 of 39 PROJECT NUMBER

Project Description / Justification: The Music Technology Labs Program was established by the Board of Education in 2010 to support a comprehensive program which teaches technical and scientific aspects of music to high school students through a variety of technology arts classes. The program utilizes a music technology and multimedia lab which blends the use of electronic devices, computer components, data storage, industry standard software and musical instruments to facilitate composition, recording, playback, storage and performance. Competences include digital audio production, songwriting with musical composition and digital video integration. This program provides students the core skills needed to enter a higher education institution for the entertainment industry. It also addresses funding for such program components as keyboards, software, computer hardware and related textbooks. These labs are also used for teaching AP Music Theory and Piano Lab.

Funds were requested for FY 2018, but were not granted
 The following schools will be considered in future years
 New Labs at Joppatowne High School & refresh at Patterson Mill High School
 New Lab at Harford Technical High School & refresh at Bel Air High School
 Edgewood High School will be refreshed
 Fallston & Havre de Grace High Schools will be refreshed

Priority Band 2 Academic Mission Critical
 Project Schedule: N/A
 Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction			0						0					0
Inspection Fees			0						0					0
Equip. / Furn.	345,000	0	345,000	150,000	50,000	100,000	100,000	100,000	845,000	55,038	27,519			927,557
Total Cost	345,000	0	345,000	150,000	50,000	100,000	100,000	100,000	845,000	55,038	27,519	0	0	927,557

FUNDING SCHEDULE

State	Local	Other	HCPS BOE	Total Funds	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	Total Project Cost
				0						0					0
	0			0	150,000	50,000	100,000	100,000	100,000	500,000	55,038	27,519			582,557
				0						0					0
	345,000			345,000						345,000					345,000
				0						0					0
	345,000			345,000	150,000	50,000	100,000	100,000	100,000	845,000	55,038	27,519	0	0	927,557

OPERATING BUDGET IMPACT:
 Estimated Annual Debt Service Cost
 Annual Operating/Maintenance Cost
 New Positions (FTE's)

PROJECT MANAGER: Jeffrey Winfield

PROJECT: **TECHNOLOGY EDUCATION LAB REFRESH** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 13 of 39 PROJECT NUMBER B994124

Project Description / Justification: This project provides funds to upgrade middle and high school Technology Education (old Industrial Arts shops) classrooms with current computer equipment and technology to reflect program changes defined by MSDE. The "Foundations of Technology" (FOT) course is required for all students in Harford County Public Schools as part of the Maryland Department of Education's graduation requirement. The implementation of these programs is an essential component of the K-12 STEM Education Strategic Plan for Harford County Public Schools.

Funds were requested for FY 2018, but were not granted
 The following schools will be considered in future years
 Update Technology Education Lab computers and equipment to handle Autodesk software at Fallston High School, Havre de Grace High, and Joppatowne High
 Update Technology Education Lab computers and equipment to handle Autodesk/ PLTW and Robotics software Havre de Grace Middle, and Edgewood Middle
 Update Technology Education Lab computers and equipment to handle Autodesk/ PLTW and Robotics software at Bel Air High

Priority Band 2 Academic Mission Critical

Project Schedule: N/A

Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost		
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027	
Engineering/Design			0												0
Land Acquisition			0												0
Construction	1,625,000	0	1,625,000	35,000	150,000	150,000	150,000	150,000	150,000	150,000					2,260,000
Inspection Fees			0												0
Equip. / Furn.			0												0
Total Cost	1,625,000	0	1,625,000	35,000	150,000	150,000	150,000	150,000	150,000	150,000	0	0	0	0	2,260,000

FUNDING SCHEDULE

State			0													0
Local	675,000	0	675,000	35,000	150,000	150,000	150,000	150,000	150,000	150,000						1,310,000
Other			0													0
HGPS BOE	800,000		800,000													800,000
State Reimburse	150,000		150,000													150,000
Total Funds	1,625,000	0	1,625,000	35,000	150,000	150,000	150,000	150,000	150,000	150,000	0	0	0	0	0	2,260,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost
 New Positions (FTE's):

PROJECT MANAGER: Robert Limpert

PROJECT: TEXTBOOK/ SUPPLEMENTAL REFRESH

TYPE OF PROJECT
PROJECT NUMBER B064129

LOCATION: Various REQUEST NO: 14 of 39

Project Description / Justification: This project replaces textbooks, materials of instruction, and supplemental materials to provide the most current content, and to implement new instructional and assessment programs Beginning in the school year 2013-14, the Common Core State Standards were fully implemented in all Harford County Public Schools classrooms The Common Core State Standards establishes a single set of clear and rigorous educational standards for grades K-12 in reading/English/ Language Arts and mathematics that the state of Maryland adopted in June 2010 The standards are designed to ensure that students graduating from high school are prepared to enter credit bearing entry courses in two- or four-year college programs or enter the workforce The standards are research and evidence based and internationally benchmarked The Common Core State Standards form the foundation for Maryland's College and Career Ready Standards In addition, new standards are being adopted and revised by Maryland in Science, Social Studies, and other curricular areas over the next several years

Moreover, in order to maintain high levels of student achievement, all teachers need to infuse technology in daily instruction. If teachers are not provided the necessary tools for instruction, students will ultimately be at a disadvantage when assessed on the new learning standards The shifts in education around the Maryland College and Career Ready Standards, as well as the Partnership for Assessment of Readiness for College and Careers (PARCC) serve as a constant reminder that classroom instruction must evolve to support student achievement

Harford County Public Schools continues to research and examine textbooks, materials of instruction, and supplemental materials to support the implementation of these new standards and curricula These materials continue to become increasingly dependent on technology, such as e-textbooks, electronic resources, and software, which usually have a recurring cost associated with the initial purchase Funds were requested for FY 2018, but were not granted

Priority Band 2 Academic Mission Critical

Project Schedule: N/A

Project Status: N/A

Financial Activity: Expended Encumbered Total
Date \$ \$ \$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction			0						0					0
Inspection Fees			0						0					0
Equip. / Furn.	4,681,644	0	4,681,644	1,750,000	1,000,000	500,000	500,000	500,000	8,931,644	0	0	0	0	8,931,644
Total Cost	4,681,644	0	4,681,644	1,750,000	1,000,000	500,000	500,000	500,000	8,931,644	0	0	0	0	8,931,644

FUNDING SCHEDULE

State			0						0					0
Local	1,010,000	0	1,010,000	1,750,000	1,000,000	500,000	500,000	500,000	5,260,000					5,260,000
Other			0						0					0
HCPS BOE	2,400,000		2,400,000						2,400,000					2,400,000
State Reimburse	1,271,644		1,271,644						1,271,644					1,271,644
Total Funds	4,681,644	0	4,681,644	1,750,000	1,000,000	500,000	500,000	500,000	8,931,644	0	0	0	0	8,931,644

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
Annual Operating/Maintenance Cost:
New Positions (FTE's):

PROJECT MANAGER: Dr Susan Brown

PROJECT: **EMERGENCY SYSTEMS & COMMUNICATIONS** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 15 of 39 PROJECT NUMBER B004112

Project Description / Justification: Funds are utilized for the installation, repair, or replacement of obsolete fire alarm and emergency communication systems; major sprinkler repairs; and the replacement or addition of generators to provide life safety measures in the event of power failure in school facilities. This includes replacing recalled sprinkler heads for sprinkler code compliance.

Funds were requested for FY 2018, but were not granted. The following schools will be considered in future years:

- Replace the fire alarm system at Abington ES
- Upgrade fire alarm systems at C Milton Wright HS
- Replace recalled sprinkler heads at Bakersfield, Havre de Grace, and Roye Williams Elementary Schools for sprinkler code compliance
- Upgrade the existing Edwards EST-2 panels to new EST3x panels and change out any non-compatible devices at Aberdeen HS, Bakersfield ES Edgewood MS, Fallston HS, Forest Lakes ES, Halls Cross Roads ES, Harford Tech HS, North Harford HS, North Harford MS, Red Pump ES, and William S James ES
- Full replacement of fire alarm systems at Homestead Wakefield, Upgrade fire alarm system at Bel Air MS
- Upgrade fire alarm systems and install a generator at Church Creek ES
- Upgrade fire alarm systems at Joppatowne HS
- Upgrade fire alarm systems at CEO Building, Fountain Green ES and Fallston MS
- Future Upgrades as needed*

Priority Band: 3 Security and Life Safety
 Project Schedule: N/A
 Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost.	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0											0
Land Acquisition			0											0
Construction	1,125,000	0	1,125,000	840,000	325,000	325,000	325,000	325,000	325,000	3,265,000				3,265,000
Inspection Fees			0											0
Equip. / Furn.			0											0
Total Cost	1,125,000	0	1,125,000	840,000	325,000	325,000	325,000	325,000	325,000	3,265,000	0	0	0	3,265,000

FUNDING SCHEDULE

State			0												0
Local	900,000	0	900,000	840,000	325,000	325,000	325,000	325,000	325,000	3,040,000					3,040,000
Other			0												0
HGPS BOE	225,000		225,000							225,000					225,000
Total Funds	1,125,000	0	1,125,000	840,000	325,000	325,000	325,000	325,000	325,000	3,265,000	0	0	0	0	3,265,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost:
 New Positions (FTEs):

PROJECT MANAGER: Justin Evans

PROJECT: SECURITY MEASURES TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 16 of 39 PROJECT NUMBER B054113

Project Description/ Justification: Funds will be used for upgrading existing security cameras with associated equipment at each school site on a routine basis depending on age and technology advancement. These funds will also be used to refresh the visitor management system approximately every 5 years.

Funds were requested for FY 2018, but were not granted. The following schools will be considered in future years:

- Security camera systems at Aberdeen and Joppatowne High Schools
- Security camera upgrades at C. Milton Wright High School and at Fallston High School. Install security film on entrance foyer at Edgewood High School. New vestibule with security interlock at North Harford Middle School.
- Security Camera upgrade at Edgewood Middle. Install security film and security upgrade to classroom locks at William Paca Old Post Road Elementary Schools
- Security Camera System Harford Glen Center, Camera Upgrade at Central Office. Install security film and security upgrade to classroom locks at Darlington and Halls Cross Roads Elementary Schools
- Security Camera Upgrade at Forest Hill Annex. Install security film and security upgrade to classroom locks at Norrisville and Royce Williams Elementary Schools
- Security Camera Upgrade at Aberdeen and Magnolia Middle Schools. Security upgrade to classroom locks at Norrisville Elementary School
- Security Camera Upgrade at Havre de Grace and North Harford High Schools

Priority Band: 3 Security & Life Safety

Project Schedule: N/A

Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$

EXPENDITURE SCT	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program							Sub-total	Master Plan			Total Project Cost		
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025		FY 2026	FY 2027				
Cost Elements			0								0						0
Engineering/Design			0								0						0
Land Acquisition			0								0						0
Construction			0								0						0
Inspection Fees			0								0						0
Equip. / Furn.	1,735,000	0	0	325,000	225,000	225,000	225,000	225,000	225,000	225,000	0	0	0	0	0	0	225,000
Total Cost	1,735,000	0	0	325,000	225,000	225,000	225,000	225,000	225,000	225,000	0	0	0	0	0	0	450,000

FUNDING SCHEDULE		FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
State												0
Local	700,000	0	325,000	225,000	225,000	225,000	225,000	225,000	0	0	0	1,925,000
Other												885,000
HGPS BOE	885,000											150,000
State Reimburse	150,000											2,960,000
Total Funds	1,735,000	0	325,000	225,000	225,000	225,000	225,000	225,000	0	0	0	11,840,000

OPERATING BUDGET IMPACT:
 Estimated Annual Debt Service Cost
 Annual Operating/Maintenance Cost
 New Positions (FTE's)

PROJECT MANAGER: Bob Benedetto

PROJECT: **STORMWATER MANAGEMENT, EROSION, SEDIMENT CONTROL** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 17 of 39 PROJECT NUMBER B064128

Project Description / Justification: This capital item funds the restoration of grounds and stormwater management facilities including erosion control, aeration, fertilization, and control of invasive species. Funds are also used to address critical stormwater piping failures and infrastructure repairs throughout the County. These funds are needed to comply with Federal, State and Local laws pertaining to stormwater management and ground water discharge. Failure to address identified items impacts the County's compliance to State regulations.

Funds were requested for FY 2018, but were not granted. The following schools will be considered in future years.

Stormwater repairs at Patterson Mill MS/HS, C Milton Wright HS, Fountain Green ES, Forest Hill ES, North Bend ES
 Hickory Annex - Install Bus / Truck Wash Station connected to the sanitary sewer at Hickory
 Aberdeen High School Slumping Dam

*Future repairs as identified by annual inspection reports

Priority Band 4 Facility Mission Critical
 Project Schedule: N/A
 Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro Total	Five Year Capital Program					Master Plan			Total Project Cost			
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025		FY 2026	FY 2027	
Engineering/Design			0							0					0
Land Acquisition			0							0					0
Construction	775,000	0	775,000	850,000	250,000	250,000	250,000	250,000	250,000	2,625,000					2,625,000
Inspection Fees			0							0					0
Equip. / Furn.			0							0					0
Total Cost	775,000	0	775,000	850,000	250,000	250,000	250,000	250,000	250,000	2,625,000	0	0	0	0	2,625,000

FUNDING SCHEDULE

	State	Local	Other	HCPS BOE	State Reimburse	Total Funds
State	0					0
Local	200,000	850,000				2,050,000
Other			0			0
HCPS BOE	175,000					175,000
State Reimburse	400,000					400,000
Total Funds	775,000	850,000	0			2,625,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost
 Annual Operating/Maintenance Cost
 New Positions (FTE's)

PROJECT MANAGER: Paul Kline

PROJECT: MAJOR HVAC REPAIRS TYPE OF PROJECT
DISTRICT: LOCATION: Various REQUEST NO: 18 of 39 PROJECT NUMBER
Project Description / Justification: This capital project provides funding for large major equipment repairs and replacement of HVAC equipment at various school buildings. All minor repairs are handled through the Harford County Public Schools normal maintenance operating budget.

Funds were requested for FY 2018, but were not granted.
 The following schools will be considered in future years:
 Fallston MS chiller and cooling tower replacement North Bend Elementary Central Plant/Fire Alarm Upgrades
 Relocate and install boilers currently at Dublin to the HCPS Central Office
 Abingdon Elementary Chiller Replacement and Pneumatic Controls, Bel Air Middle School Chiller Replacement, CEO Boiler Replacement
 Edgewood MS (1) Chiller and Natororium Unit Replacement
 Hickory Elementary Chiller Replacement and burner replacement
 Church Creek Elementary Boiler and Pneumatic Controls North Harford Energy Recovery Units
 Old Post Road (2) Boilers Replacement, Joppatowne HS (2) Boiler Replacement
 North Harford Energy Recovery Units

Priority Band: 4 Facility Mission Critical
Project Schedule: N/A
Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design		0	0	382,500	123,750	82,500	195,000	82,500	866,250	240,000				1,106,250
Land Acquisition			0						0					0
Construction	8,821,226	25,000	8,846,226	2,550,000	825,000	550,000	1,300,000	550,000	14,621,226	1,600,000				16,221,226
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	8,821,226	25,000	8,846,226	2,932,500	948,750	632,500	1,495,000	632,500	15,487,476	1,840,000	0	0	0	17,327,476

FUNDING SCHEDULE

State			0						0					0
Local	2,032,768	25,000	2,057,768	2,932,500	948,750	632,500	1,495,000	632,500	8,699,018					8,699,018
Other:			0						0					0
Harford City P & R			0						0					0
Harford City BOE	3,323,455		3,323,455						3,323,455					3,323,455
Harford City transfer	3,465,003		3,465,003						3,465,003					3,465,003
Total Funds	8,821,226	25,000	8,846,226	2,932,500	948,750	632,500	1,495,000	632,500	15,487,476	0	0	0	0	15,487,476

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost:
 New Positions (FTE's)

PROJECT MANAGER: Justin Evans

PROJECT: ENVIRONMENTAL COMPLIANCE TYPE OF PROJECT PROJECT NUMBER B974118
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 19 of 39

Project Description / Environmental regulations demand compliance in a number of areas - indoor air quality, waste management, fuel tank replacement, water quality control, radon testing, asbestos removal and other similar matters Asbestos abatement will occur based on current conditions at the time and available funding

Justification: Funds were requested for FY 2018, but were not granted
 The following schools will be considered in future years
 Homestead Wakefield ES (both buildings) - Underground storage tank removal (2) and conversion to natural gas fired boilers (4)
 Halls Cross Roads Crawl Space ACM Removal
 George D Lisby @ Hillsdale Tile and Acoustic Plaster ACM Removal
 John Archer School Underground Storage Tank Removal
 North Harford Elementary School Underground Storage Tank Removal
 Aberdeen Middle Underground Storage Tank Removal

Priority Band 4 Facility Mission Critical
 Project Schedule: N/A
 Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design		0	0						0					0
Land Acquisition			0						0					0
Construction	2,941,263	0	2,941,263	200,000	100,000	100,000	200,000	100,000	3,641,263	100,000				3,741,263
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	2,941,263	0	2,941,263	200,000	100,000	100,000	200,000	100,000	3,641,263	100,000	0	0	0	3,741,263

FUNDING SCHEDULE

	Prior Appro.	FY 2018 Budget	Appro. Total	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	Total Project Cost
State			0						0					0
Local	2,541,263	0	2,541,263	120,000	100,000	100,000	200,000	100,000	3,161,263	100,000				3,261,263
Other			0						0					0
HCPS BOE	300,000		300,000						300,000					300,000
State Reimburse	100,000		100,000						100,000					100,000
Total Funds	2,941,263	0	2,941,263	120,000	100,000	100,000	200,000	100,000	3,561,263	100,000	0	0	0	3,661,263

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost:
 New Positions (FTE's)

PROJECT MANAGER: Rich Hanzevack

PROJECT: ADA IMPROVEMENTS **TYPE OF PROJECT**
DISTRICT: Various **REQUEST NO** 20 **of** 39 **PROJECT NUMBER** B064143
Project Description / Justification: This project provides for building and grounds improvements to bring schools into compliance with current Americans with Disabilities Act accessibility guidelines, and the Maryland Accessibility Code Exterior work includes pavement markings, curb cuts, sidewalk work, and providing accessible pathways to playground areas inside work includes making restrooms, water fountains and public areas accessible This category includes planned projects and allowance By law, accommodations must be made to a school receiving new students or staff requiring accommodations A funding source to complete these modifications is needed in order to avoid liability

Funds were requested for FY 2018, but were not granted
 The following schools will be considered in future years
 CEO Front entrance storefront replacement and additional parking and ramps
 Restrooms and fountains at Southampton MS
 Restrooms and fountains at Edgewood MS
 Fountains at North Harford MS - Old Post Elementary Front entrance storefront replacement and additional parking and ramps
 Fallston HS Front entrance storefront replacement and additional ramps and parking

Priority Band 4 **Facilities Mission Critical**
Project Schedule: N/A
Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0											0
Land Acquisition			0											0
Construction	600,000	0	600,000	100,000	100,000	100,000	100,000	100,000	100,000					1,100,000
Inspection Fees			0											0
Equip. / Furn.			0											0
Total Cost	600,000	0	600,000	100,000	100,000	100,000	100,000	100,000	100,000	0	0	0	0	1,100,000

FUNDING SCHEDULE

State			0											0
Local	350,000	0	350,000	100,000	100,000	100,000	100,000	100,000						850,000
Other			0											0
Harford Cty P & R			0											0
Harford Cty BOE	200,000		200,000											200,000
State Reimburse	50,000		50,000											50,000
Total Funds	600,000	0	600,000	100,000	100,000	100,000	100,000	100,000	100,000	0	0	0	0	1,100,000

OPERATING BUDGET IMPACT:
 Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost:
 New Positions (FTEs):

PROJECT MANAGER: Reggie Wilkins

PROJECT: SEPTIC FACILITY CODE UPGRADES
COUNCIL DISTRICT: LOCATION: Various
REQUEST NO: 21 of 39
TYPE OF PROJECT: PROJECT NUMBER B064128

Project Description / Justification: This capital project funds septic system upgrades to the new standards of the Maryland Department of Environment and construction of new systems as well as the repair or upgrade to failing systems currently operating Required upgrades or repairs may include replacement blowers, pumps or remote monitoring systems
 Funds will be used to maintain, upgrade and inspect the septic systems at the following schools such as Youth's Benefit, North Harford, Norrisville, Jarrettsville, North Bend, Dublin, Churchville, Darlington, Prospect Mill and Forest Hill Elementary Schools In addition, these funds will be used at the following schools such as Fallston Middle / High Schools, North Harford Middle / High Schools, Harford Technical High School and John Archer School The priority order will be determined during the routine inspections.

Funds were requested for FY 2018, but were not granted

Priority Band: 4 Facility Mission Critical

Project Schedule: N/A

Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ 0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost		
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027	
Engineering/Design			0							0					0
Land Acquisition			0							0					0
Construction	4,910,592	0	4,910,592	75,000	75,000	75,000	75,000	75,000	75,000	5,285,592					5,285,592
Inspection Fees			0							0					0
Equip. / Furn.			0							0					0
Total Cost	4,910,592	0	4,910,592	75,000	75,000	75,000	75,000	75,000	75,000	5,285,592	0	0	0	0	5,285,592

FUNDING SCHEDULE

State			0												0
Local		0	0	75,000	75,000	75,000	75,000	75,000	75,000	375,000					375,000
Other			0							0					0
HGPS BOE	4,425,413		4,425,413							4,425,413					4,425,413
State Reimburse	485,179	0	485,179							485,179					485,179
Total Funds	4,910,592	0	4,910,592	75,000	75,000	75,000	75,000	75,000	75,000	5,285,592	0	0	0	0	5,285,592

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost:
 New Positions (FTE's)

PROJECT MANAGER: Rich Hanzevack

PROJECT: **REPLACEMENT BUSES** TYPE OF PROJECT
 COUNCIL DISTRICT: **LOCATION: Various** REQUEST NO: **22** of **39** PROJECT NUMBER **B024118**

Project Description / Justification: Special needs buses are required to meet the needs of growing numbers of students, programs and schools. These buses must comply with Federal regulations and meet IEP requirements for special needs transportation. The MD State Department of Education requires that school systems replace buses after 12 years of use. HCPS requested legislative action to allow its school buses to be kept in service for up to 15 years, however the legislation did not pass. Currently we are three years out of compliance on our bus replacement schedule. The FY18 request reflects the cost of replacing all buses that passed the 12 year replacement cycle. This schedule is assuming the replacement of 15 extended year special needs buses during FY2017. Further, it assumes the approval during FY 2017 of replacing (10) 15 year old buses and (5) 13 year old buses (VT365 engines) (2% annual increase built into projections)

Funds were requested in FY2018 to replace 31 buses total, including 14 buses due for replacement in FY2016; 4 due in FY2017, and 13 due in FY2018. Partial funding was granted. Replacement included 2 buses due for replacement in FY2016. The following schedule for replacement remains to meet State requirements.

FY 2018 - 29 buses total, includes 12 buses due for replacement in
 Unfunded FY2016; 4 due in FY2017
 FY 2019 - 13 due in FY2017 14 replacement special ed buses due in FY2018
 FY 2020 - 10 replacement special ed buses
 FY 2021 - 6 replacement special ed buses
 FY 2022 - 11 replacement special ed buses
 FY 2023 - 6 replacement special needs buses

Priority Band **5** Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026	
Land Acquisition			0							0			0
Construction			0							0			0
Inspection Fees			0							0			0
Equip. / Furrn.	10,058,994	250,000	10,308,994	5,512,000	1,080,000	660,000	1,232,000	684,000	19,476,994				19,476,994
Total Cost	10,058,994	250,000	10,308,994	5,512,000	1,080,000	660,000	1,232,000	684,000	19,476,994	0	0	0	19,476,994

FUNDING SCHEDULE

State			0											0
Local	7,476,994	250,000	7,726,994	1,484,000	1,080,000	660,000	1,232,000	684,000	12,866,994					12,866,994
Other			0						0					0
HCPS BOE	2,294,000		2,294,000						2,294,000					2,294,000
State Reimburse	288,000		288,000						288,000					288,000
Total Funds	10,058,994	250,000	10,308,994	1,484,000	1,080,000	660,000	1,232,000	684,000	15,448,994	0	0	0	0	15,448,994

OPERATING BUDGET IMPACT:
 Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost
 New Positions (FTEs):

PROJECT MANAGER: Charlie Taibi

PROJECT: **REPLACEMENT VEHICLES** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 23 of 39 PROJECT NUMBER B034115

Project Description / Justification: This category of funding provides for replacement vehicles for facilities maintenance, transportation, food services and warehouse activities. Also included are school based tractors and equipment, and facilities grounds equipment. Vehicles are planned to be on a five year replacement cycle in accordance with fleet standards utilized by Harford County government. These standards were derived from APWA (American Public Works Association) standards. The non-bus fleet covered by this category consists of approximately 320 pieces of equipment, not including small equipment such as push mowers, weed eaters, snow blowers, etc. Due to a lack of funding for the last FIVE fiscal years, the fleet is becoming increasingly difficult to maintain. HCPS has had to rent vehicles for snow removal and salt in order to open schools after inclement weather. The continued ability to maintain our buildings, lots and grounds is dependent upon receiving funding to replace or repair vehicles and equipment in this category.

Funds were requested for FY 2018, but were not granted

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program						Sub-total	Master Plan			Total Project Cost		
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024		FY 2025	FY 2026	FY 2027			
Engineering/Design			0													0
Land Acquisition			0													0
Construction			0													0
Inspection Fees			0													0
Equip. / Furrn.	5,584,396	0	5,584,396	618,000	1,223,000	1,260,000	278,000	333,000	333,000	226,000						9,522,396
Total Cost	5,584,396	0	5,584,396	618,000	1,223,000	1,260,000	278,000	333,000	333,000	226,000	0	0	0	0	0	9,522,396

FUNDING SCHEDULE

State			0													0
Local	2,000,758	0	2,000,758	618,000	1,223,000	1,260,000	278,000	333,000	333,000	226,000						5,938,758
Other			0													0
HCPS BOE	3,583,638		3,583,638													3,583,638
Total Funds	5,584,396	0	5,584,396	618,000	1,223,000	1,260,000	278,000	333,000	333,000	226,000	0	0	0	0	0	9,522,396

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost:
 New Positions (FTEs):

PROJECT MANAGER: Tom Rufenacht

PROJECT: **PAVING - OVERLAY AND MAINTENANCE** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 24 of 39 PROJECT NUMBER B064127

Project Description / Justification: Funding to provide bituminous concrete overlay, patching, and re-stripping on existing driveways and parking lots Associated work includes repair to curbs, sidewalks, storm drains and inlets as required

Funds were requested for FY 2018, but were not granted
 The following schools will be considered in future years

- Joppatowne High School
- Riverside Elementary School
- Halls Cross Road Elementary School
- North Bend Elementary School
- Meadowdale Elementary School
- William Paca / Old Post Elementary School

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0							0				0
Land Acquisition			0							0				0
Construction	2,156,370	0	2,156,370	500,000	300,000	250,000	250,000	250,000	3,706,370					3,706,370
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	2,156,370	0	2,156,370	500,000	300,000	250,000	250,000	250,000	3,706,370	0	0	0	0	3,706,370

FUNDING SCHEDULE

State			0							0				0
Local	1,025,740	0	1,025,740	500,000	300,000	250,000	250,000	250,000	2,575,740					2,575,740
Other			0						0					0
HCPS BOE	1,130,630		1,130,630						1,130,630					1,130,630
Total Funds	2,156,370	0	2,156,370	500,000	300,000	250,000	250,000	250,000	3,706,370	0	0	0	0	3,706,370

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost:
 New Positions (FTE's):

PROJECT MANAGER: Paul Kline

PROJECT: **ATHLETIC FIELDS REPAIR AND RESTORATION** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: REQUEST NO: 25 of 39 PROJECT NUMBER B034113

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

Various
 This account provides funds of \$50,000 annually to maintain athletic fields at ten high schools, as well as playing fields at all schools. Funding includes maintenance and repair for stadium and practice fields at \$20,000 per year. It provides for repair and replacement of fencing (\$30,000 / year) which ensures safety of students. Additionally, these funds are used to fund mandated maintenance and testing of synthetic turf fields.

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0											0
Land Acquisition			0											0
Construction	487,000	100,000	587,000	100,000	100,000	100,000	100,000	100,000	1,087,000					1,087,000
Inspection Fees			0											0
Equip. / Furn.			0											0
Total Cost	487,000	100,000	587,000	100,000	100,000	100,000	100,000	100,000	1,087,000	0	0	0	0	1,087,000

FUNDING SCHEDULE

State			0												0
Local	277,000	100,000	377,000	100,000	100,000	100,000	100,000	100,000	877,000						877,000
Other			0												0
HCPS BOE	140,000		140,000						140,000						140,000
State Reimburse	70,000		70,000						70,000						70,000
Total Funds	487,000	100,000	587,000	100,000	100,000	100,000	100,000	100,000	1,087,000	0	0	0	0	0	1,087,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost
 Annual Operating/Maintenance Cost
 New Positions (FTE's)

PROJECT MANAGER: Deborah Basler

PROJECT: Domestic Water and Backflow Prevention TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 26 of 39 PROJECT NUMBER B054111
 Project Description / Justification: Funding in this category is used to design and implement backflow prevention in order to separate school water systems from backing up into county water supply. This account is also utilized to perform major domestic water repairs, as well as piping serving condensate, steam, etc

Funds were requested for FY 2018, but were not granted
 The following schools will be considered in future years

- Roye Williams Domestic Water line; Havre de Grace ES - Backflow Prevention
- Joppatowne HS - Replace 4" domestic water line ; Fallston MS and Joppa High School - Install Backflow Prevention
- Harford Technical HS and William Paca/Old Post - Install Backflow Prevention
- Churchville ES and North Harford ES - Install Backflow Prevention
- Halls Cross Roads ES and Forest Hill ES - Install Backflow Prevention
- Meadowvale Elementary and North Bend ES - Install Backflow Prevention
- Edgewood Elementary and Harford Glen - install backflow preventer

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	600,000	0	600,000	250,000	200,000	200,000	200,000	200,000	1,650,000					1,650,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost		600,000	600,000	250,000	200,000	200,000	200,000	200,000	1,650,000	0	0	0	0	1,650,000

FUNDING SCHEDULE

	State	Local	Other	HCPS BOE	State Reimburse	Total Funds	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	Total Project Cost	
State						0						0						0
Local	350,000					350,000	250,000	200,000	200,000	200,000	200,000	1,400,000						1,400,000
Other						0						0						0
HCPS BOE	200,000					200,000						200,000						200,000
State Reimburse	50,000					50,000						50,000						50,000
Total Funds	600,000	0	0	0	0	600,000	250,000	200,000	200,000	200,000	200,000	1,650,000	0	0	0	0	0	1,650,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost:
 New Positions (FTEs):

PROJECT MANAGER: Brian McNuff

PROJECT: **FLOOR COVERING REPLACEMENT** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 27 of 39 PROJECT NUMBER

Project Description / Justification: This project provides funding for large scale flooring renewal in schools outside of the modernization schedule. These include carpet, vinyl composition tile, and gym floor replacements.

Funds were requested for FY 2018, but were not granted.
 The following schools will be considered in future years
 Hall's Cross Roads ES - VCT; Ring Factory ES - Gym Floor
 Abingdon ES - Carpet; North Bend ES - Gym Floor
 Fallston MS - Carpet
 Fountain Green ES - Carpet
 Church Creek ES - Carpet and Gym Floor
 Emmorton ES - Carpet
 Roye Williams ES - Carpet

Priority Band: 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0											0
Land Acquisition			0											0
Construction	150,000	0	150,000	200,000	100,000	200,000	100,000	100,000	850,000					850,000
Inspection Fees			0											0
Equip. / Furn.			0											0
Total Cost	150,000	0	150,000	200,000	100,000	200,000	100,000	100,000	850,000	0	0	0	0	850,000

FUNDING SCHEDULE

State			0												0
Local		0	0	200,000	100,000	200,000	100,000	100,000	700,000	100,000					800,000
Other			0						0						0
HCPS BOE	150,000		150,000						150,000						150,000
Total Funds	150,000	0	150,000	200,000	100,000	200,000	100,000	100,000	850,000	100,000	0	0	0	950,000	

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost
 New Positions (FTE's)

PROJECT MANAGER: Reggie Wilkins

PROJECT: **FOLDING PARTITION REPLACEMENT** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 28 of 39 PROJECT NUMBER

Project Description / Justification: This project provides funding for the replacement of folding room partitions that have reached, or surpassed their life expectancy

Funds were requested for FY 2018, but were not granted
 The following schools will be considered in future years

- Southampton Middle School (Gym & Activity Room)
- Joppatowne High School (Activity Room)
- CEO Building
- Ring Factory ES
- Edgewood MS (Stage & Activity Room)
- Old Post ES (Gym/Cafeteria Room)

Priority Band: 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost		
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025		FY 2026	FY 2027
Engineering/Design			0								0			0
Land Acquisition			0								0			0
Construction		0	0	100,000	100,000	100,000	100,000	100,000	100,000	500,000	0			500,000
Inspection Fees			0								0			0
Equip. / Furn.			0								0			0
Total Cost	0	0	0	100,000	100,000	100,000	100,000	100,000	100,000	500,000	0	0	0	500,000

FUNDING SCHEDULE

	State	Local	Other	Total
State	0	0	0	0
Local	0	100,000	0	100,000
Other	0	0	0	0
Total Funds	0	100,000	0	100,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost
 Annual Operating/Maintenance Cost
 New Positions (FTE's)

PROJECT MANAGER: Reggie Wilkins

PROJECT: **OUTDOOR TRACK RECONDITIONING** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 29 of 39 PROJECT NUMBER

Project Description / Justification: This account provides funding to maintain existing high school tracks, and to replace specific surface areas to provide a seamless safe surface for the use by students and the public. The funds will provide minor repair for the running tracks consisting of power washing, repair patching and new layout track lines. Due to funding limitations, the last track repair was done in 2013. This lapse in time has created a backlog in required work. Continued deferral could lead to having to close tracks, then spend more money to replace them when they become unsafe to run on.

Funds were requested for FY 2018, but were not granted. The following schools will be considered in future years.

Harford Tech, Havre de Grace, Bel Air, and Edgewood High Schools

Priority Band 5 Cost of Doing Business

Project Schedule: N/A

Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026	
Engineering/Design			0						0				0
Land Acquisition			0						0				0
Construction	200,000	0	200,000	50,000	50,000	50,000	50,000	50,000	450,000				450,000
Inspection Fees			0						0				0
Equip. / Furn.			0						0				0
Total Cost	200,000	0	200,000	50,000	50,000	50,000	50,000	50,000	450,000	0	0	0	450,000

FUNDING SCHEDULE

	State	Local	Other	HCPS BOE	State Reimburse	Total Funds	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	Total Project Cost	
State						0						0						0
Local						0	50,000	50,000	50,000	50,000		250,000						250,000
Other						0						0						0
HCPS BOE				175,000		175,000						175,000						175,000
State Reimburse				25,000		25,000						25,000						25,000
Total Funds				200,000		200,000	50,000	50,000	50,000	50,000	50,000	450,000	0	0	0	0	0	450,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost:
 New Positions (FTE's):

PROJECT MANAGER: Deborah Basler

PROJECT: PAVING - NEW PARKING AREAS TYPE OF PROJECT
COUNCIL DISTRICT: LOCATION: Various **REQUEST NO:** 30 of 39 **PROJECT NUMBER** B064126
Project Description / Justification: Installation of new parking areas and associated storm water management Future locations will be determined following a system wide needs assessment. The funds for FY 2018 will be designated for additional parking lot and associated storm water management for parent and bus drop off area at Dublin Elementary School

Funds were requested for FY 2018, but were not granted

Priority Band 5 **Cost of Doing Business**
Project Schedule: N/A
Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost						
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025		FY 2026	FY 2027				
Engineering/Design			0						0									0
Land Acquisition			0						0									0
Construction		0	0						0									0
Inspection Fees			0						0									0
Equip. / Furn.			0						0									0
Total Cost	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

FUNDING SCHEDULE

State			0																0
Local		0	0						0										0
Other			0						0										0
			0						0										0
Total Funds	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost
 New Positions (FTEs)

PROJECT MANAGER: Paul Kline

PROJECT: **PLAYGROUND EQUIPMENT**
 COUNCIL DISTRICT: LOCATION: Various
 REQUEST NO: 31 of 39
 TYPE OF PROJECT: PROJECT NUMBER B074124

Project Description / Justification: This capital project provides funds for the replacement of playground equipment at elementary schools. Schools in need of new playground equipment or schools where the equipment has been deemed unsafe, are scheduled for replacement under this project. In addition to the funding identified in the schedule below, projects may also receive funds from Harford County Parks and Recreation, Parent Teacher Associations, private contributions and/or grants. Estimates include costs to meet new stormwater and ADA requirements.

Funds were requested for FY 2018, but were not granted. The following schools will be considered in future years:

- 1) Havre de Grace Elementary - preschool
- 2) Forest Lakes
- 3) Roye Williams
- 4) Homestead Wakefield
- 5) Abington
- 6) Meadowvale

Priority Band: 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date: \$ \$ \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0											0
Land Acquisition			0											0
Construction			0											0
Inspection Fees			0											0
Equip. / Furn.	3,899,241	0	3,899,241	300,000	300,000	300,000	300,000	300,000	300,000	300,000	0	0	0	5,399,241
Total Cost	3,899,241	0	3,899,241	300,000	300,000	300,000	300,000	300,000	300,000	300,000	0	0	0	5,399,241

FUNDING SCHEDULE

State			0											0
Local	2,449,241	0	2,449,241	300,000	300,000	300,000	300,000	300,000	300,000	300,000				3,949,241
Other			0											0
State reimburse	1,450,000		1,450,000											1,450,000
Total Funds	3,899,241	0	3,899,241	300,000	300,000	300,000	300,000	300,000	300,000	300,000	0	0	0	5,399,241

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost
 New Positions (FTE's):

PROJECT MANAGER: Ginny Popiolek

PROJECT: **BUILDING ENVELOPE IMPROVEMENTS** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 32 of 39 PROJECT NUMBER

Project Description / Justification: This project addresses aging schools outside the modernization schedule requiring window, door, masonry or siding renewal Improvements will provide enhanced security, energy conservation and weatherproofing

Funds were requested for FY 2018, but were not granted
 The following schools will be considered in future years

- Aberdeen MS - Masonry point up and waterproofing
- Southampton Middle School - Masonry point up project
- Edgewood Middle School - Masonry point up & fascia coating waterproofing
- Bel Air Middle School - Windows & Doors
- Harford Technical High School - Exterior Doors & Windows
- Edgewood Middle School - Exterior Doors & Windows

Priority Band 5 Cost of Doing Business

Project Schedule: N/A

Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	700,000	0	700,000	200,000	200,000	200,000	200,000	200,000	1,700,000					1,700,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost		700,000	700,000	200,000	200,000	200,000	200,000	200,000	1,700,000	0	0	0	0	1,700,000

FUNDING SCHEDULE

State	Local	Other	HGPS BOE	State Reimburse	Total Funds	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	Total Project Cost
	200,000										0					0
	0					200,000	200,000	200,000	200,000	200,000	1,200,000					1,200,000
											0					0
			400,000								400,000					400,000
			100,000								100,000					100,000
						200,000	200,000	200,000	200,000	200,000	1,700,000	0	0	0	0	1,700,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost:
 New Positions (FTEs)

PROJECT MANAGER: Reggie Wilkins

PROJECT: **MUSIC EQUIPMENT REFRESH PROGRAM** TYPE OF PROJECT PROJECT NUMBER B054112
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 33 of 39

Project Description / Justification: This program was established in 2003 and provides funds for the replacement of musical instruments throughout the school system. Musical instruments in the school setting have varying life expectancies ranging from 6 years to 20 years depending on the type, the amount of use, and the material the instrument is constructed of. Parents are not expected to purchase these instruments due to their high cost or their special use. Basic instruments such as trumpets, trombones, clarinets, alto saxophones and flutes, are not part of this program and parents are responsible to secure them from other sources. In 2002, the Music Department established a Basic Essential Music Instrument Inventory which each school must have to perform a wide range of musical literature. This basic inventory is required regardless of the size of program, but in some instances schools may require duplicate sets of some instruments to meet the needs of musical ensembles.

Funds were requested for FY 2018, but were not granted

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction			0						0					0
Inspection Fees			0						0					0
Equip. / Furn.	625,000	0	625,000	50,000	50,000	50,000	50,000	50,000	50,000	0	0	0	0	875,000
Total Cost	625,000	0	625,000	50,000	50,000	50,000	50,000	50,000	50,000	0	0	0	0	875,000

FUNDING SCHEDULE

State		0	0												0
Local	425,000	0	425,000	50,000	50,000	50,000	50,000	50,000	50,000						675,000
Other			0												0
HGPS BOE	150,000		150,000												150,000
State Reimburse	50,000		50,000												50,000
Total Funds	625,000	0	625,000	50,000	50,000	50,000	50,000	50,000	50,000	0	0	0	0	0	875,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost
 Annual Operating/Maintenance Cost:
 New Positions (FTE's)

PROJECT MANAGER: Jeffrey Winfield

PROJECT: **EQUIPMENT AND FURNITURE REPLACEMENT**
 COUNCIL DISTRICT: LOCATION: **Various** REQUEST NO: **34** of **39**
 TYPE OF PROJECT: **B004113**
 PROJECT NUMBER: **B004113**

Project Description / Justification: Existing schools have replacement needs as furniture and equipment reach the end of their life cycle
 Funds were requested for FY 2018, but were not granted

Priority Band: **5** Cost of Doing Business
 Project Schedule: **N/A**
 Project Status: **N/A**

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	1,655,000	0	1,655,000	100,000	100,000	100,000	100,000	100,000	100,000					2,155,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	1,655,000	0	1,655,000	100,000	100,000	100,000	100,000	100,000	100,000	0	0	0	0	2,155,000

FUNDING SCHEDULE

State			0												0
Local	1,355,000	0	1,355,000	100,000	100,000	100,000	100,000	100,000	100,000						1,855,000
Other			0												0
HCPS BOE	300,000		300,000												300,000
Total Funds	1,655,000	0	1,655,000	100,000	100,000	100,000	100,000	100,000	100,000	0	0	0	0	0	2,155,000

OPERATING BUDGET IMPACT:
 Estimated Annual Debt Service Cost
 Annual Operating/Maintenance Cost
 New Positions (FTE's)

PROJECT MANAGER: **Cornell S Brown**

PROJECT: ENERGY CONSERVATION MEASURES TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 35 of 39 PROJECT NUMBER

Project Description / Justification: Energy conservation funds are used to replace, retrofit and install energy reducing equipment and support other related resource conservation measures within the school system. Types of expenditures included are occupancy sensors for lighting, HVAC equipment, lighting upgrades to provide efficient lighting, expanded energy management controls, water conservation, add additional metering and solid waste reduction measures. These projects result in more efficient systems and a reduction in the operating cost.

Funds were requested for FY 2018, but were not granted.

Priority Band: 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost		
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025		FY 2026	FY 2027
Engineering/Design			0							0				0
Land Acquisition			0							0				0
Construction	500,000	0	500,000	250,000	250,000	250,000	250,000	250,000	1,750,000					1,750,000
Inspection Fees			0							0				0
Equip. / Furn.			0							0				0
Total Cost	500,000	0	500,000	250,000	250,000	250,000	250,000	250,000	1,750,000	0	0	0	0	1,750,000

FUNDING SCHEDULE

State			0						0					0
Local		0	0	250,000	250,000	250,000	250,000	250,000	1,250,000					1,250,000
Other			0						0					0
HCPS BOE	500,000		500,000						500,000					500,000
Total Funds	500,000	0	500,000	250,000	250,000	250,000	250,000	250,000	1,750,000	0	0	0	0	1,750,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost
 New Positions (FTE's)

PROJECT MANAGER: Andrew Cassilly

PROJECT: BAND UNIFORM REFRESH **TYPE OF PROJECT**
DISTRICT: Various **REQUEST NO:** 36 **of** 39 **PROJECT NUMBER**

Project Description / Justification: Band uniforms have a life expectancy of about ten years under normal use conditions. Uniforms generally consist of a jacket, pants, hat and ornamental plume. Other accessories that may be purchased could include: gauntlets, capes, raingear and/or other items of an ornamental nature. The cost of a basic uniform generally runs \$400 - \$450, and a complete inventory must consist of various sizes form very small to very large and number about 20% greater than the number of students in the group for any given year to meet the varying size demands of the students.

Funds were requested for FY 2018, but were not granted
 The following schools will be considered in future years
Next Request

C Milton Wright High School (CHMH)

CMHS will have approximately 300+/- students and will require a minimum of 360 uniforms to meet the general needs of the program. The expected growth in the program to exceed 350 students which would require uniform inventory needs to max out at around 420 uniforms. It is for these reasons that the standard allotment of \$60,000 is inadequate to maintain this program and we are requesting additional funds for this year in the rotation.

Future Requests

Havre de Grace HS	Aberdeen HS	Bel Air HS	North Harford HS
Joppatowne HS	Harford Technical HS	Patterson Mill HS	Fallston HS

Priority Band 5 **Cost of Doing Business**
Project Schedule: N/A
Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0											0
Land Acquisition			0											0
Construction			0											0
Inspection Fees			0											0
Equip. / Furn.	72,340	0	72,340	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	552,340
Total Cost	72,340	0	72,340	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	0

FUNDING SCHEDULE

State	Local	Other	HGPS BOE	State Reimburse	Total Funds
0	0	0	62,340	10,000	72,340
60,000	60,000	60,000	60,000	60,000	300,000
			62,340	10,000	72,340
60,000	60,000	60,000	60,000	60,000	372,340

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost
 Annual Operating/Maintenance Cost
 New Positions (FTE's):

PROJECT MANAGER: Jeffrey Winfield

PROJECT: **BLEACHER REPLACEMENT**
 COUNCIL DISTRICT: LOCATION: Various
 TYPE OF PROJECT
 PROJECT NUMBER

REQUEST NO: 37 of 39

Project Description / Justification: This project provides funding for the removal and replacement of interior bleachers

Funds were requested for FY 2018, but were not granted
 The following schools will be considered in future years

- Fallston Middle School
- Ring Factory Elementary School
- North Bend Elementary School

Priority Band: 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost		
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025		FY 2026	FY 2027
Engineering/Design			0											0
Land Acquisition			0											0
Construction			0											0
Inspection Fees			0											0
Equip. / Furn.	500,000	0	500,000	100,000	100,000	0	0	0	0	700,000				700,000
Total Cost	500,000	0	500,000	100,000	100,000	0	0	0	0	700,000	0	0	0	700,000

FUNDING SCHEDULE

	FY 2018 Budget	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	Total Project Cost
State							0					0
Local	0	0	0	0	0	0	0					0
Other							0					0
HGPS BOE	500,000						500,000					500,000
Total Funds	500,000	0	0	0	0	0	500,000	0	0	0	0	500,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost
 Annual Operating/Maintenance Cost
 New Positions (FTE's)

PROJECT MANAGER: Reggie Wilkins

PROJECT: **LOCKER REPLACEMENT** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 38 of 39 PROJECT NUMBER

Project Description / Justification: This project provides funding for replacement of lockers of boys and girls locker rooms

Funds were requested for FY 2018, but were not granted
 The following schools will be considered in future years

- C Milton Wright High School
- Bel Air Middle School
- Southampton Middle School
- North Harford Middle School
- Harford Technical High School
- CEO

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0											0
Land Acquisition			0											0
Construction	430,000	0	430,000	125,000	125,000	125,000	150,000	125,000	1,080,000					1,080,000
Inspection Fees			0											0
Equip. / Furn.			0											0
Total Cost	430,000	0	430,000	125,000	125,000	125,000	150,000	125,000	1,080,000	0	0	0	0	1,080,000

FUNDING SCHEDULE

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total Project Cost
State										0
Local	125,000	125,000	125,000	150,000	125,000					650,000
Other										0
HCPS BOE										430,000
Total Funds	125,000	125,000	125,000	150,000	125,000	0	0	0	0	1,080,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost
 Annual Operating/Maintenance Cost
 New Positions (FTE's):

PROJECT MANAGER: Reggie Wilkins

PROJECT: **RELOCATABLE CLASSROOMS** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 39 of 39 PROJECT NUMBER

The funds for this account are used to provide capacity and program space for schools that show a significant need due to variations caused by enrollment as well as other special educational programs introduced to the school. Harford County Public Schools will conduct audits annually to review enrollments, school capacities and individual school needs as outlined by Board of Education Policy. We will also use these funds to move or add relocatable classrooms to support construction at a specific school by offering classroom space as needed while construction has disturbed permanent classroom space.

Funds were requested for FY 2018, but were not granted

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design			0											0
Land Acquisition			0											0
Construction	11,284,637	0	11,284,637	130,000	130,000	100,000	100,000	100,000	100,000	11,844,637				11,844,637
Inspection Fees			0											0
Equip. / Furn.			0											0
Total Cost	11,284,637	0	11,284,637	130,000	130,000	100,000	100,000	100,000	100,000	11,844,637	0	0	0	11,844,637

FUNDING SCHEDULE

State	565,956		565,956											565,956
Local	8,342,785	0	8,342,785	130,000	130,000	100,000	100,000	100,000	100,000	8,902,785				8,902,785
Other			0											0
HCPs BOE	2,375,896		2,375,896							2,375,896				2,375,896
Total Funds	11,284,637	0	11,284,637	130,000	130,000	100,000	100,000	100,000	100,000	11,844,637	0	0	0	11,844,637

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost
 New Positions (FTE's)

PROJECT MANAGER: TBD

**HARFORD COUNTY PUBLIC SCHOOLS
CAPITAL PROJECTS COMPLETED SINCE 1990**

PROJECT NAME	YEAR STARTED	YEAR COMPLETED
1 Prospect Mill Elementary - Addition	1990	1990
2. Ring Factory Elementary - Original	1990	1990
3. Edgewood Middle - Elevator	1990	1991
4. Aberdeen High - North Science Renovations	1991	1992
5. North Bend Elementary - Original	1991	1991
6. Aberdeen High - North Elevator Addition	1992	1992
7 Abingdon Elementary - Original	1992	1992
8. Meadowvale Elementary - Media Center	1992	1992
9. Fallston Middle	1993	1993
10. Halls Cross Roads Elementary - Phase I	1993	1993
11 Fountain Green Elementary	1993	1993
12. Churchville Elementary - Elevator	1993	1993
13. Emmorton Elementary - Original	1994	1994
14. Church Creek Elementary - Original	1994	1994
15. Bel Air Middle - Addition	1994	1994
16. Havre de Grace Elementary - Add/Renovation	1995	1995
17 Darlington Elementary Renovation Phase II	1995	1995
18. Roye-Williams Elementary - Modernization	1995	1995
19. Joppatowne Elementary - Pre-K Addition	1995	1996
20. North Harford Middle - Elevator	1995	1995
21 Youth's Benefit Elementary - Media Center	1995	1995
22. Edgewood High - Science Renovations	1996	1996
23. Harford Technical High - Science Renovations	1996	1996
24. Joppatowne High - Science Renovations	1996	1996
25. C. Milton Wnght High - Addition	1996	1996
26. Norrisville Elementary - Addition	1996	1996
27 Wakefield Elementary - Media Center	1996	1996
28. Riverside Elementary - Pre-K Addition	1996	1996
29. Halls Cross Roads Elementary - Phase II	1996-97	1997
30. Hickory Elementary - Renovation/Addition	1996-97	1998
31 Fallston High - Science Renovations	1997	1997
32. Deerfield Elementary - Pre-K Addition	1997	1997
33. Bakersfield Elementary - Play lot	1997	1997
34. Abingdon Elementary - Pre-K Addition	1997	1997
35. Fallston High – Track Resurfacing	1997	1997
36. William Paca Elementary - Media Center	1997	1998
37 Roye-Williams Elementary - Parking lot	1997	1997
38. Magnolia Elementary - Pre-K Addition	1997	1997
39. North Harford High - Restroom Renovation	1997	1997
40. Forest Lakes Elementary	1997	1997
41 Harford Glen- Dorms/Multi-Purpose/Pavilion	1997	1998
42. Harford Glen -Site Work	1997	1997
43. Jarrettsville Elementary - Elevator	1997	1997
44. Joppatowne High - Track Resurfacing	1997	1997
45. Aberdeen High - Track Resurfacing	1997	1997
46. C. Milton Wnght High - Grading	1997	1997
47 Bel Air High – Track Resurfacing	1997	1997
48. Homestead Elementary - Media Center	1998	1998
49. GDL @ Hillsdale Elementary - Media Center	1998	1998
50. Churchville Elementary - Addition/Renovations	1998	1998
51 Bel Air High - Science Renovations	1998	1998
52. Hickory Elementary - Child Find	1998	1999
53. Harford Technical High - Addition	1998-99	2000
54. North Harford High - Science Renovation	1999	1999
55. Bel Air High - Science Renovations	1999	1999
56. Havre de Grace High - Science Renovation	1999	1999
57 Bakersfield Elementary - Addition/Renovation	1999	1999
58. Prospect Mill Elementary - Pre-K Addition	1999	1999
59. C. Milton Wnght High - Science Renovations	1999	1999
60. Bel Air Elementary - Pre-K Addition	1999	2000

**HARFORD COUNTY PUBLIC SCHOOLS
CAPITAL PROJECTS COMPLETED SINCE 1990**

PROJECT NAME	YEAR STARTED	YEAR COMPLETED
61. Darlington Elementary - Mechanical Building	1999	1998
62. North Harford Elementary - Pre-K Addition	1999	1999
63. Forest Hill Elementary	2000	2000
64. Harford Glen - Dining Hall	2000	2000
65. Riverside Elementary - Parking lot	2000	2000
66. Meadowvale Elementary - Modernization	2000-01	2002
67. Abingdon Elementary - Addition	2001	2002
68. C. Milton Wright High - Field House	2001	2001
69. Church Creek Elementary - Addition	2001	2002
70. Edgewood Elementary - Addition/Renovation	2001	2003
71. Bel Air High - Technology Lab Renovation	2001	2002
72. Joppatowne Elementary - Parking Lot	2001	2001
73. Aberdeen High - New	2001-04	2004
74. Havre de Grace High - Track Complex	2002	2004
75. Havre de Grace High - Technology Labs	2002	2002
76. Southampton Middle - Improvements	2003	2003
77. C. Milton Wright High - Improvements	2003	2004
78. Aberdeen High - Math & Science Academy	2004	2004
79. Edgewood Middle - HVAC	2004-05	2006
80. North Harford High - Modernization	2004-07	2007
81. Fallston Middle Improvements	2005	2006
82. Prospect Mill Elementary Health Suite	2005	2005
83. Patterson Mill Middle/High School	2005-07	2007
84. Aberdeen High - Addition	2007	2008
85. Prospect Mill Elementary Renovation	2007	2008
86. Joppatowne Elementary Modernization	2007-09	2009
87. Bel Air High School Replacement	2007-09	2009
88. Deerfield Elementary School Replacement	2009-10	2010
89. Edgewood High School Replacement	2009-10	2010
90. Red Pump Elementary School	2010-11	2011
91. Fallston Middle/High School Waste Water Treatment Plant	2010	2011
92. Havre de Grace High - Phase I HVAC	2010	2011
93. North Harford High Pole Barn	2010	2011
94. Ring Factory Elementary Roof Replacement	2010	2010
95. Havre de Grace High - Phase II HVAC	2011	2012
96. Youth's Benefit Elementary - Primary Building HVAC	2011	2012
97. North Bend Elementary Roof Replacement	2011	2011
98. William Paca Elementary - HVAC	2011	2012
99. Harford Tech, Prospect Mill ES & John Archer WWTP	2011-13	2013
100. Havre de Grace HS Stadium Upgrades	2012	2013
101. Hall's Cross Roads Elementary - HVAC	2012	2012
102. Emmorton Elementary - Chiller Replacement	2012	2013
103. Havre de Grace Elementary - Chiller Replacement	2012	2013
104. Church Creek Elementary - Chiller Replacement	2012	2013
105. Red Pump Elementary – WWTP off site sewer hook-up	2012	2012
106. Jarrettsville Elementary – HVAC	2012	2013
107. Forest Lakes Elementary – Chiller Replacement	2013	2013
108. Magnolia Middle School – HVAC	2013	2014
109. North Harford Elementary – HVAC	2013	2014
110. Norrisville Elementary – HVAC	2014	2014
111. William S. James Elementary – HVAC	2014	2014
112. George D. Lisby Elementary – Roof Replacement	2014	2014
113. Aberdeen HS Stadium Upgrades & Weight Rm. Expansion	2014	2014
114. Aberdeen Middle School – Chiller Replacement	2014	2014
115. Fallston High School – HVAC	2014	2015
116. Dublin Elementary – HVAC	2015	2015
117. Darlington Elementary – HVAC	2016	2016
118. Churchville Elementary – Roof Replacement	2016	2016
119. Center for Educational Opportunity – HVAC	2016	2016

