



# HVAC (Mechanical Systems) Replacement: MCPS (P816633)

Category	Montgomery County Public Schools	Date Last Modified	05/22/22
SubCategory	Countywide	Administering Agency	Public Schools
Planning Area	Countywide	Status	Ongoing

## EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
Planning, Design and Supervision	39,200	11,500	7,600	20,100	3,200	4,100	3,500	3,100	3,100	3,100	-
Construction	203,019	64,997	38,622	99,400	16,800	20,900	15,500	15,400	15,400	15,400	-
Other	3,000	-	3,000	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>245,219</b>	<b>76,497</b>	<b>49,222</b>	<b>119,500</b>	<b>20,000</b>	<b>25,000</b>	<b>19,000</b>	<b>18,500</b>	<b>18,500</b>	<b>18,500</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY21	Est FY22	Total 6 Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	Beyond 6 Years
G.O. Bonds	149,366	71,396	18,220	59,750	10,000	12,500	9,500	9,250	9,250	9,250	-
Recordation Tax	3,000	-	3,000	-	-	-	-	-	-	-	-
State Aid	92,853	5,101	28,002	59,750	10,000	12,500	9,500	9,250	9,250	9,250	-
<b>TOTAL FUNDING SOURCES</b>	<b>245,219</b>	<b>76,497</b>	<b>49,222</b>	<b>119,500</b>	<b>20,000</b>	<b>25,000</b>	<b>19,000</b>	<b>18,500</b>	<b>18,500</b>	<b>18,500</b>	<b>-</b>

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 23 Request	20,000	Year First Appropriation	FY81
Appropriation FY 24 Request	25,000	Last FY's Cost Estimate	201,219
Cumulative Appropriation	125,719	Partial Closeout Thru FY22	64,581
Expenditure / Encumbrances	-	New Partial Closeout	-
Unencumbered Balance	125,719	Total Partial Closeout	64,581

## PROJECT DESCRIPTION

This project provides for the systematic replacement of heating, ventilating, air conditioning, automated temperature controls, and plumbing systems for MCPS facilities. This replacement approach is based on indoor environmental quality (IEQ), energy performance, and maintenance data. Qualifying systems and/or components are selected based on the above criteria and are prioritized within the CIP through a rating system formula. MCPS is participating in interagency planning and review to share successful and cost effective approaches. An FY 2019 appropriation was requested for mechanical systems upgrades and/or replacements for Ashburton, Bethesda, Burtonsville, Flower Hill, Forest Knolls, Highland View, Monocacy, Oakland Terrace, and Sequoyah elementary schools; Briggs Chaney and White Oak middle schools; and, Quince Orchard and Walt Whitman high schools. However, due to fiscal constraints, the County Council reduced the FY 2019 appropriation by \$4 million. Therefore, the list shown above will be aligned with the approved funding level for FY 2019. The Indoor Air Quality and Energy Conservation projects are now merged with this project to

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better reflect the coordination of work performed. The work-years reflected in this project are from that merger. An FY 2020 appropriation was approved to continue this level of effort project to address mechanical system upgrades and/or replacements of systems at various schools throughout MCPS. An FY 2021 appropriation was requested for mechanical systems upgrades and/or replacements for Clarksburg, Brookhaven, Meadow Hall, and Ronald McNair elementary schools and the fourth phase of Quince Orchard High School. However, due to fiscal constraints, the County Council reduced the FY2021 appropriation by \$9 million less than the Board of Education's request. Therefore, the list shown above will be aligned with the approved funding level for FY2021. An FY 2022 appropriation and amendment to the FY2021-2026 CIP was approved to reinstate expenditures in FY 2022 that were removed as part of the adopted FY2021-2026 CIP. In addition, the Board of Education's requested amended CIP included the FY 2021 supplemental appropriation of \$3.0 million to address Covid-19 related indoor air quality and HVAC enhancements, that was approved by the County Council. The approved FY 2022 appropriation and amendment will address mechanical system upgrades and/or replacements of schools systemwide. An FY 2023 appropriation was approved for mechanical systems upgrades and/or replacements at various schools throughout the county. However, the County Council, in the adopted FY2023-2028 CIP decreased expenditures in FY2023, therefore, the number of projects to be completed will be reduced to align with the approved expenditures. Implementation of this program will also be based on implications of construction cost increases and supply chain interruptions.

## OTHER

Master Plan for School Facilities, Department of Environmental Protection, Department of Health and Human Services, American Lung Association, County Government, Interagency Committee--Energy and Utilities Management, MCPS Resource Conservation Plan, County Code 8-14a

FY 2023 -- Salaries and Wages: \$253K, Fringe Benefits: \$107K, Workyears: 3 FY2024-2028 -- Salaries and Wages: \$1.3M, Fringe Benefits: \$567K, Workyears: 15

## FISCAL NOTE

Reflects MCPS correction for funding allocations prior to FY19. FY20 supplemental in State Aid for \$367,850 from the Maryland's Healthy Schools Facility Fund. FY21 supplemental in Recordation Tax for the amount of \$3,000,000 to enhance the HVAC systems and improve indoor air quality to support COVID-19 recovery planning. FY23 State Aid award for \$19.250 million for multiple years.

## DISCLOSURES

Expenditures will continue indefinitely. MCPS asserts that this project conforms to the requirement of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.