



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

Category	Montgomery County Public Schools	Date Last Modified	12/08/20
SubCategory	Countywide	Administering Agency	Public Schools
Planning Area	Countywide	Status	Ongoing

## EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
Planning, Design and Supervision	35,350	3,757	7,743	23,850	3,000	4,600	3,600	3,150	4,500	5,000	-
Construction	181,169	52,227	17,992	110,950	16,800	20,400	16,400	14,850	19,500	23,000	-
Other	3,000	-	-	3,000	3,000	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>219,519</b>	<b>55,984</b>	<b>25,735</b>	<b>137,800</b>	<b>22,800</b>	<b>25,000</b>	<b>20,000</b>	<b>18,000</b>	<b>24,000</b>	<b>28,000</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
Current Revenue: General	3,800	-	-	3,800	3,800	-	-	-	-	-	-
G.O. Bonds	194,316	52,066	13,896	128,354	13,354	25,000	20,000	18,000	24,000	28,000	-
Recordation Tax	3,000	-	-	3,000	3,000	-	-	-	-	-	-
State Aid	18,403	3,918	11,839	2,646	2,646	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>219,519</b>	<b>55,984</b>	<b>25,735</b>	<b>137,800</b>	<b>22,800</b>	<b>25,000</b>	<b>20,000</b>	<b>18,000</b>	<b>24,000</b>	<b>28,000</b>	<b>-</b>

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

Appropriation FY 22 Request	25,000	Year First Appropriation	FY81
Cumulative Appropriation	100,719	Last FY's Cost Estimate	207,719
Expenditure / Encumbrances	-	Partial Closeout Thru FY20	64,581
Unencumbered Balance	100,719	New Partial Closeout	-
		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, maintenance data, and the revitalization/expansion schedule. 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. For projects on the revitalization/expansion schedule, the scope is reduced to the minimum necessary to maintain the operation of the existing mechanical system. Any new equipment installations will be salvaged at the time of the revitalization/expansion project and will be re-used. An FY 2019 appropriation was requested for mechanical

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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 better reflect the coordination of work performed. The workyears 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 is requested 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 includes the FY 2021 supplemental appropriation of \$6.8 million to address Covid-19 related indoor air quality and HVAC enhancements. The requested FY 2022 appropriation and amendment will address mechanical system upgrades and/or replacements of schools systemwide.

## 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 2019 -- Salaries and Wages: \$440K, Fringe Benefits: \$197K, Workyears: 5 FY2020-2024 -- Salaries and Wages: \$2.2M, Fringe Benefits: \$985K, Workyears: 25

## 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.

## 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.