



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

Category	Montgomery County Public Schools	Date Last Modified	11/25/19
SubCategory	Countywide	Administering Agency	Public Schools
Planning Area	Countywide	Status	Ongoing

## EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
Planning, Design and Supervision	34,200	4,000	9,500	20,700	4,500	4,500	3,150	3,150	2,700	2,700	-
Construction	182,126	44,632	43,194	94,300	20,500	20,500	14,350	14,350	12,300	12,300	-
<b>TOTAL EXPENDITURES</b>	<b>216,326</b>	<b>48,632</b>	<b>52,694</b>	<b>115,000</b>	<b>25,000</b>	<b>25,000</b>	<b>17,500</b>	<b>17,500</b>	<b>15,000</b>	<b>15,000</b>	-

## FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
G.O. Bonds	200,052	47,747	37,305	115,000	25,000	25,000	17,500	17,500	15,000	15,000	-
State Aid	16,274	885	15,389	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>216,326</b>	<b>48,632</b>	<b>52,694</b>	<b>115,000</b>	<b>25,000</b>	<b>25,000</b>	<b>17,500</b>	<b>17,500</b>	<b>15,000</b>	<b>15,000</b>	-

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

Appropriation FY 21 Request	25,000	Year First Appropriation	FY81
Appropriation FY 22 Request	25,000	Last FY's Cost Estimate	153,326
Cumulative Appropriation	101,326	Partial Closeout Thru FY19	44,606
Expenditure / Encumbrances	62,465	New Partial Closeout	-
Unencumbered Balance	38,861	Total Partial Closeout	44,606

## 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 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

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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 is 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.

## 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.

## 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.