

# EXECUTIVE RECOMMENDATION



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

Category	Montgomery County Public Schools	Date Last Modified	01/09/19
SubCategory	Countywide	Administering Agency	Public Schools
Planning Area	Countywide	Status	Ongoing

### EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	23,800	3,000	-	20,800	5,500	5,000	1,800	2,500	3,000	3,000	-
Construction	151,829	69,629	-	82,200	20,500	20,000	8,200	9,500	12,000	12,000	-
<b>TOTAL EXPENDITURES</b>	<b>175,629</b>	<b>72,629</b>	<b>-</b>	<b>103,000</b>	<b>26,000</b>	<b>25,000</b>	<b>10,000</b>	<b>12,000</b>	<b>15,000</b>	<b>15,000</b>	<b>-</b>

### FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	125,485	27,087	-	98,398	21,398	25,000	10,000	12,000	15,000	15,000	-
State Aid	40,800	36,198	-	4,602	4,602	-	-	-	-	-	-
Current Revenue: General	9,344	9,344	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>175,629</b>	<b>72,629</b>	<b>-</b>	<b>103,000</b>	<b>26,000</b>	<b>25,000</b>	<b>10,000</b>	<b>12,000</b>	<b>15,000</b>	<b>15,000</b>	<b>-</b>

### COMPARISON (\$000s)

	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years	FY 20 Approp.
Prior Year Approved	175,629	54,629	18,000	103,000	26,000	25,000	10,000	12,000	15,000	15,000	-	25,000
Agency Request	175,589	156,704	(84,115)	103,000	26,000	25,000	10,000	12,000	15,000	15,000	-	25,000
Recommended	175,629	72,629	-	103,000	26,000	25,000	10,000	12,000	15,000	15,000	-	25,000

CHANGE	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Prior Year Approved	(40)	-	-	-	-	-
Recommended vs Prior Year Approved	-	-	-	-	-	-
Recommended vs Agency Request	40	-	-	-	-	-

## RECOMMENDATION

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Approve with Technical Modifications.

Technical correction to MCPS FY18 actual expenditures.



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## EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	23,800	3,000	-	20,800	5,500	5,000	1,800	2,500	3,000	3,000	-
Construction	151,789	153,704	(84,115)	82,200	20,500	20,000	8,200	9,500	12,000	12,000	-
<b>TOTAL EXPENDITURES</b>	<b>175,589</b>	<b>156,704</b>	<b>(84,115)</b>	<b>103,000</b>	<b>26,000</b>	<b>25,000</b>	<b>10,000</b>	<b>12,000</b>	<b>15,000</b>	<b>15,000</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY18	Rem FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
G.O. Bonds	168,466	109,836	(39,768)	98,398	21,398	25,000	10,000	12,000	15,000	15,000	-
State Aid	7,123	36,198	(33,677)	4,602	4,602	-	-	-	-	-	-
Current Revenue: General	-	9,344	(9,344)	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>175,589</b>	<b>155,378</b>	<b>(82,789)</b>	<b>103,000</b>	<b>26,000</b>	<b>25,000</b>	<b>10,000</b>	<b>12,000</b>	<b>15,000</b>	<b>15,000</b>	<b>-</b>

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

Appropriation FY 20 Approp. Request	25,000	Year First Appropriation	FY81
Cumulative Appropriation	98,629	Last FY's Cost Estimate	175,629
Expenditure / Encumbrances	-	Partial Closeout Thru FY18	22,303
Unencumbered Balance	98,629	New Partial Closeout	-
		Total Partial Closeout	22,303

## 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 2017 appropriation was approved, but was \$3 million less than the Board of Education's request. The funds will be used for mechanical systems upgrades and/or replacements at John T. Baker (Phase I) and Silver Spring International middle schools; and Greencastle, Olney, Greenwood, Jones Lane, Stone Mill, Brooke Grove, Clearspring, Laytonsville, New Hampshire Estates, and Sligo Creek elementary schools. An FY 2018 appropriation was

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approved for mechanical systems upgrades and/or replacements at John T. Baker (Phase II), Briggs Chaney (Phase I), and Silver Spring International middle schools; and Jones Lane, Lois P. Rockwell, and Stone Mill elementary schools. 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 better reflect the coordination of work performed. The workyears reflected in this project are from that merger. An FY 2020 appropriation is requested to continue this level of effort project to address mechanical system upgrades and/or replacements of systems at various schools throughout MCPS.

## 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

## 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.