

# HVAC (Mechanical Systems) Replacement: MCPS -- No. 816633

Category	Montgomery County Public Schools	Date Last Modified	May 28, 2010
Subcategory	Countywide	Required Adequate Public Facility	No
Administering Agency	Public Schools	Relocation Impact	None
Planning Area	Countywide	Status	On-going

## EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	10,500	0	1,000	9,500	1,500	2,000	1,500	1,500	1,500	1,500	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	59,320	10,180	9,000	40,140	13,500	6,480	5,040	5,040	5,040	5,040	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>69,820</b>	<b>10,180</b>	<b>10,000</b>	<b>49,640</b>	<b>15,000</b>	<b>8,480</b>	<b>6,540</b>	<b>6,540</b>	<b>6,540</b>	<b>6,540</b>	<b>*</b>

## FUNDING SCHEDULE (\$000)

G.O. Bonds	63,955	10,180	8,101	45,674	11,034	8,480	6,540	6,540	6,540	6,540	0
State Aid	5,865	0	1,899	3,966	3,966	0	0	0	0	0	0
<b>Total</b>	<b>69,820</b>	<b>10,180</b>	<b>10,000</b>	<b>49,640</b>	<b>15,000</b>	<b>8,480</b>	<b>6,540</b>	<b>6,540</b>	<b>6,540</b>	<b>6,540</b>	<b>0</b>

### 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 modernization 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.

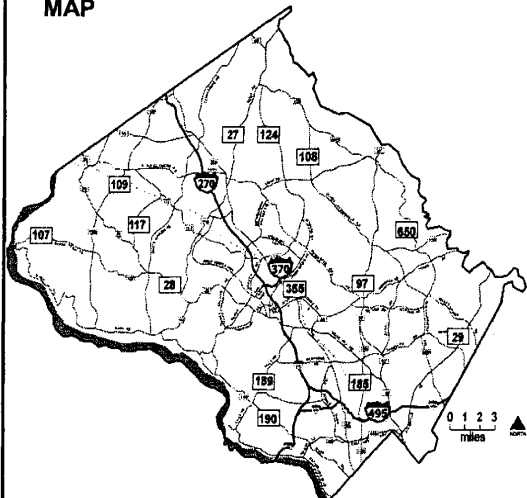
An FY 2005 appropriation was approved to continue to provide heating, ventilating, air conditioning, and plumbing system replacements in facilities that are not scheduled to be modernized. Increases in expenditures shown for FY 2005 and beyond reflect the need to address the backlog of HVAC projects, partially due to the delay in the modernization schedule. For FY 2005, an additional \$745,000 in state aid was included in this project as a result of federal funding, issued by the state, through the Qualified Zone Academy Bond (QZAB) program. An FY 2006 appropriation was approved to continue this project.

An FY 2007 appropriation was approved to continue this project. Expenditures shown in the adopted FY 2007-2012 CIP for this project have increased in order to address the backlog of HVAC projects, as well as the rise in construction costs. An FY 2007 Special Appropriation in the amount of \$160,000 was approved in this project as a result of federal funding, issued by the state, through the Qualified Zone Academy Bond (QZAB) program. An FY 2008 appropriation was approved to continue this level of effort project. An FY 2009 appropriation is requested to continue this level of effort project. An FY 2009 special appropriation of \$252,000 and an FY 2009 transfer of \$523,000 was approved by the County Council on January 27, 2009 for emergency repair work at five schools.

An FY 2010 appropriation and amendment to the FY 2009-2014 CIP was approved to provide an additional \$4.4 million beyond the \$5.6 million in the adopted CIP for this systemic project. The additional funding will begin to address the assessed backlog of HVAC projects that are vital to the successful operation of our school facilities. An FY 2011 appropriation was requested for mechanical systems upgrades and/or replacements at the following schools: Belmont, Cedar Grove, Clopper Mill, Dufief, Gaithersburg, Maryvale, and Wyngate elementary schools; Eastern, Banneker, and Silver Spring International middle schools; Montgomery Blair, Col. Zadok Magruder, Poolesville, and Wheaton/Edison high schools; and Northlake holding facility. However, due to fiscal constraints, the County Council's adopted FY 2011-2016 CIP reduced the expenditures, as requested in the Board of Education's FY 2011-2016 CIP in FYs 2012-2016 by approximately \$45 million. Therefore, the upgrades/replacements at Eastern Middle School, Poolesville and Col. Zadok Magruder high schools, and the Northlake holding facility will be delayed. The title of this PDF has been changed to more accurately reflect the work accomplished through this project.

### OTHER DISCLOSURES

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

<h4>APPROPRIATION AND EXPENDITURE DATA</h4> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Date First Appropriation</td> <td>FY81</td> <td>(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td>FY96</td> <td>16,388</td> </tr> <tr> <td>Current Scope</td> <td></td> <td></td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td>49,336</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>Appropriation Request</td> <td>FY11</td> <td>15,000</td> </tr> <tr> <td>Appropriation Request Est.</td> <td>FY12</td> <td>8,480</td> </tr> <tr> <td>Supplemental Appropriation Request</td> <td></td> <td>0</td> </tr> <tr> <td>Transfer</td> <td></td> <td>0</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>Cumulative Appropriation</td> <td></td> <td>20,180</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td></td> <td>12,665</td> </tr> <tr> <td>Unencumbered Balance</td> <td></td> <td>7,515</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>Partial Closeout Thru</td> <td>FY08</td> <td>45,642</td> </tr> <tr> <td>New Partial Closeout</td> <td>FY09</td> <td>6,756</td> </tr> <tr> <td>Total Partial Closeout</td> <td></td> <td>52,398</td> </tr> </table>	Date First Appropriation	FY81	(\$000)	First Cost Estimate	FY96	16,388	Current Scope			Last FY's Cost Estimate		49,336				Appropriation Request	FY11	15,000	Appropriation Request Est.	FY12	8,480	Supplemental Appropriation Request		0	Transfer		0				Cumulative Appropriation		20,180	Expenditures / Encumbrances		12,665	Unencumbered Balance		7,515				Partial Closeout Thru	FY08	45,642	New Partial Closeout	FY09	6,756	Total Partial Closeout		52,398	<h4>COORDINATION</h4> <p>CIP Master Plan for School Facilities</p>	<h4>MAP</h4> 
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