

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

Category  
Subcategory  
Administering Agency  
Planning Area

**Montgomery County Public Schools**  
**Countywide**  
**MCPS**  
**Countywide**

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

**May 23, 2011**  
**No**  
**None**  
**On-going**

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY10	Rem. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	10,000	0	1,000	9,000	1,500	1,500	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	62,707	6,547	9,000	47,160	13,500	13,500	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>72,707</b>	<b>6,547</b>	<b>10,000</b>	<b>56,160</b>	<b>15,000</b>	<b>15,000</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	60,182	6,547	8,101	45,534	11,034	8,340	6,540	6,540	6,540	6,540	0
State Aid	12,525	0	1,899	10,626	3,966	6,660	0	0	0	0	0
<b>Total</b>	<b>72,707</b>	<b>6,547</b>	<b>10,000</b>	<b>56,160</b>	<b>15,000</b>	<b>15,000</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. The title of this PDF has been changed to more accurately reflect the work accomplished through this project. An FY 2012 appropriation and amendment to the FY 2011-2016 CIP was approved to provide an additional \$6.52 million above the adopted CIP to reinstate funds that were removed by the County Council during reconciliation in May 2010.

#### 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.

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY81	(\$000)
First Cost Estimate	FY96	16,388
Current Scope		
Last FY's Cost Estimate		69,820
Appropriation Request	FY12	15,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		31,547
Expenditures / Encumbrances		12,665
Unencumbered Balance		18,882
Partial Closeout Thru	FY09	52,398
New Partial Closeout	FY10	3,633
Total Partial Closeout		56,031

**COORDINATION**  
CIP Master Plan for School Facilities

