

Resolution No.: 17-08
Introduced: November 23, 2010
Adopted: December 7, 2010

**COUNTY COUNCIL
FOR MONTGOMERY COUNTY, MARYLAND**

By: County Council

SUBJECT: Special Appropriation to the FY11 Capital Budget and Amendment to the FY11-16 Capital Improvements Program: Montgomery County Public Schools Energy Conservation: MCPS (No. 796222) \$1,624,000
Source of Funds: Federal Grant

Background

1. Article 3, Section 308 of the Charter of Montgomery County, Maryland, provides that a special appropriation: (a) may be made at any time after public notice by news release to meet an unforeseen disaster or other emergency, or to act without delay in the public interest; (b) must specify the revenues to finance it; and (c) must be approved by no fewer than six members of the Council.
2. Section 302 of the County Charter provides that the Council may amend an approved capital improvements program at any time by an affirmative vote of six Councilmembers.
3. The Board of Education requested a special appropriation for the Montgomery County Public Schools' (MCPS) Energy Conservation: MCPS capital project as follows:

<u>Project Name</u>	<u>Project Number</u>	<u>Amount</u>	<u>Source of Funds</u>
Energy Conservation: MCPS	796222	<u>\$1,624,000</u>	Federal ARRA Grant
TOTAL		\$1,624,000	

4. Montgomery County received a total of \$7,633,900 from Federal American Recovery and Reinvestment Act (ARRA) – Energy Efficiency and Conservation Block Grant (EECBG) funds to be shared across County agencies. The Department of Environmental Protection was the applicant department and is providing leadership, coordination, and progress oversight to all of the departments and agencies receiving funding under this grant and will also be responsible for meeting the reporting requirements for the grant.

5. The County Government portion of the grant (\$5,172,900) was appropriated by the Council on July 20, 2010. The amount requested by MCPS (\$1,624,000) is consistent with the allocations previously agreed upon by each agency.
6. This special appropriation will allow MCPS to pursue additional energy efficiency projects in its facilities per the eligibility requirements of the Federal grant.
7. Notice of public hearing was given and a public hearing was held on December 7, 2010.
8. The County Council declares this request is in the public interest to be acted upon without delay as provided for under special appropriation requirements described in Article 3 Section 308 of the Montgomery County Charter.

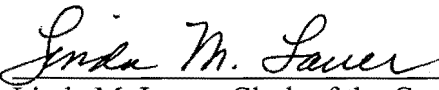
Action

The County Council for Montgomery County, Maryland, approves the following resolution:

A special appropriation to the FY11 Capital Budget and amendment to the FY11-16 Capital Improvements Program is approved for the Montgomery County Public Schools as follows and as shown on the attached project description form.

<u>Project Name</u>	<u>Project Number</u>	<u>Amount</u>	<u>Source of Funds</u>
Energy Conservation: MCPS	796222	<u>\$1,624,000</u>	Federal ARRA Grant
TOTAL		\$1,624,000	

This is a correct copy of Council action.



Linda M. Lauer, Clerk of the Council

Energy Conservation: MCPS -- No. 796222

Category
Subcategory
Administering Agency
Planning Area

Montgomery County Public Schools
Countywide
MCPS
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

May 21, 2010
No
None
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	3,090	845	295	1,950	325	325	325	325	325	325	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	18,193	4,541	1,530	10,122	1,687	1,687	1,687	1,687	1,687	1,687	0
Other	615	300	45	270	45	45	45	45	45	45	0
Total	19,898	5,686	1,870	12,342	2,057	2,057	2,057	2,057	2,057	2,057	0

FUNDING SCHEDULE (\$000)

G.O. Bonds	19,898	5,686	1,870	12,342	2,057	2,057	2,057	2,057	2,057	2,057	0
Total	19,898	5,686	1,870	12,342	2,057	2,057	2,057	2,057	2,057	2,057	0

OPERATING BUDGET IMPACT (\$000)

Energy				-3,738	-374	-748	-1,122	-498	-498	-498	
Maintenance				-3,480	-348	-696	-1,044	-464	-464	-464	
Net Impact				-7,218	-722	-1,444	-2,166	-962	-962	-962	

DESCRIPTION

The MCPS Energy Conservation Program has saved more than \$34 million since the project began in FY 1978. The project has been reviewed by the Interagency Committee on Energy and Utility Management. The program is designed to reduce energy consumption by improving building mechanical systems, retrofitting building lighting and control systems, and controlling HVAC equipment through computer management systems. Computer systems currently control the operation of most MCPS facilities.

New and modernized schools are built with the latest technological advances to achieve higher levels of energy savings. Energy conservation staff review new construction mechanical guidelines and designs. Staff also inspect and perform computer diagnostics of HVAC installations for operational efficiency and review certain aspects of indoor air quality.

An FY 2005 appropriation was approved to continue this project. The increase in expenditures, beyond the level of effort for this project for FY 2005 and beyond, is due to the need to modernize energy management systems facing obsolescence. Of the over 170 installed energy management systems, many were installed in the 1980s, are approaching the end of their life-cycle, and replacement parts are no longer available. The approved FY 2005 appropriation and the FY 2006 appropriation include \$250K to complete pilot projects and select replacement technologies, including network and web interfaces. The expenditures shown for FY 2007 will achieve an economy of scale by bidding a large package of projects together. Expenditures shown over the six-year period will be used to complete the countywide lighting modernization program at the remaining 31 facilities. Expenditures shown for FY 2008-2010 will be used for the ongoing life-cycle replacement costs of energy management and control systems at over 170 facilities, to support the extension of the program to the remaining facilities, to support a planned program of water conservation projects, and to avoid future backlog in this area. An FY 2006 appropriation was approved to continue this project. An FY 2007 appropriation was approved to continue this project at its current level of effort. An FY 2008 appropriation was approved to continue this project at its current level of effort. An FY 2009 appropriation was approved to continue this project. An FY 2010 appropriation was approved to continue this project at its current level of effort.

An FY 2011 appropriation was approved to continue this project. Energy conservation capital improvements and construction projects are being installed in 20 to 30 schools each year. These projects require additional controls system integration outside the scope of the current budget. Of the 183 energy management system installations, 65 remain to be upgraded or replaced. Expenditures in the six-year period will address the controls system integration, the energy management system upgrades, and continue the countywide lighting modernization schedule.

* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY79	(\$000)
First Cost Estimate	FY96	8,061
Current Scope		
Last FY's Cost Estimate		15,036
Appropriation Request	FY11	2,057
Appropriation Request Est.	FY12	2,057
Supplemental Appropriation Request		1,624
Transfer		0
Cumulative Appropriation		7,556
Expenditures / Encumbrances		4,991
Unencumbered Balance		2,565
Partial Closeout Thru	FY08	19,208
New Partial Closeout	FY09	0
Total Partial Closeout		19,208

COORDINATION

Montgomery College
County Government
Comprehensive Facilities Plan
Interagency Committee - Energy and Utilities
Management
MCPS Resource Conservation Plan
County Code 8-14a

(\$000)	FY11	FY12-16
Salaries and Wages:	93	465
Fringe Benefits:	33	165
Workyears:	1.5	7.5

