

ED COMMITTEE #1,2
February 22, 2016

Worksession

MEMORANDUM

February 19, 2016

TO: Education Committee

FROM: *KL* Keith Levchenko, Senior Legislative Analyst
Essie McGuire, Senior Legislative Analyst *McGuire*

SUBJECT: **Agenda Item #1:** MCPS Briefing on Enrollment and Demographic Trends and Subdivision Staging Policy Summary

Agenda Item #2: FY17-22 Montgomery County Public Schools (MCPS) Capital Improvements Program (CIP) Review

Council Staff Packet Summary

Agenda Item #1: MCPS Briefing

- Enrollment and Demographic Trends (Pages 2-3)
- Subdivision Staging Policy Summary and Cluster Solution Projects (Pages 3-6)

Agenda Item #2: MCPS FY17-22 CIP Review

- **Fiscal Summary (Page 6-8)**
- **CIP Priorities (Pages 8-9)**
- **“Consent” Projects (Pages 9-10):** Council Staff recommends approval of projects that have no major changes in cost, scope, or timing and/or are already under construction.
- **Countywide “Systemic” and Other Projects (Pages 10-16):** Council Staff discusses specific systemic projects and in some cases identifies potential changes in some projects that the Council may wish to consider at CIP reconciliation in May.
- **Capacity Project Review (Pages 16-26)**

NOTES

- *Given the affordability challenges of the CIP, Council Staff recommends that the Committee ask MCPS to provide a specific priority list of projects in time for Education Committee consideration in late April.*
- *MCPS CIP affordability issues will be discussed in late April or early May after state action on state aid for school construction.*
- *The Revitalization/Expansion projects, the Relocatable Classrooms project (and supplemental), and the Artificial Turf Program project will be discussed at a future Education Committee meeting.*
- *The Technology Modernization project will be discussed in the context of the MCPS Operating Budget.*

The following officials and staff are expected to participate in this meeting:

MCPS

Mr. Durso, President, Board of Education
Ms. Patricia O'Neil, Member, Board of Education
Ms. Jill Ortman-Fouse, Member, Board of Education
Larry A. Bowers, Interim Superintendent of Schools
Dr. Andrew M. Zuckerman, Chief Operating Officer
James Song, Director, Department of Facilities Management
Bruce Crispell, Director, Division of Long-Range Planning
Seth Adams, Director, Division of Construction
Adrienne Karamihas, Budget and Operations Manager, Department of Facilities Management

County Government

Rachel Silberman, Office of Management and Budget

Attachments¹

Briefing Slides on Montgomery County Public Schools Demographic Trends (©1-26)
Subdivision Staging Policy School Test by School Cluster and Level for FY16 (©27)
Excerpts from the Board of Education's FY17-22 Proposed CIP (©28-49e)
Excerpts from the County Executive's Recommended FY17-22 CIP for MCPS (©50-57)
Council Staff Capacity Review Cluster Tables (©58-62)
Excerpt from the Seventh Report of the Infrastructure Maintenance Task Force (IMTF) (©63-65)

AGENDA ITEM #1: ENROLLMENT AND DEMOGRAPHIC TRENDS

Enrollment

Enrollment changes are one of the biggest drivers of both the Operating Budget and CIP for MCPS. From a CIP perspective, enrollment increases drive the need for additional classrooms as well as core space improvements.

Bruce Crispell, Director of Long-Range Planning for MCPS, will provide the Committee with a presentation (slides attached on ©1-26) on enrollment and demographic trends and forecasts. Some summary information is noted below:

- Official (September 30) enrollment for the 2015-16 schoolyear is 156,674 students. This is 2,822 students more than the 2014-15 official enrollment and slightly higher (180 students) than the number projected for 2015-16 at this time last year. Last year, MCPS experienced an increase of 2,563 students from the prior year.

¹The Board of Education's Requested and the Superintendent's Recommended FY2017 Capital Budget and FY 2017-2022 Capital Improvement Program (CIP) are both available for download at:
<http://www.montgomeryschoolsmd.org/departments/planning/cipmaster.aspx>.

- Based on the preliminary enrollment totals for the 2015-16 schoolyear (as presented in the Superintendent's Recommended CIP), enrollment is expected to flatten out at the elementary school level (-419 students) but climb sharply across middle (+3,496), and high school (+6,833) throughout the six-year period. After declining slightly each of the last six years, birth rates were up again in 2014 and continue to be at a historically high level (13,214 in 2014), and are a major reason for the sustained high levels in elementary school enrollment and the expected large jumps in middle and high school enrollment over the next six years.
- Overall enrollment is expected to climb to 166,598 (9,924 more students) through the 2021-22 schoolyear.

This continuing trend of significant year-to-year growth in enrollment has resulted in major long-term projected school space needs throughout the County. The Board of Education's Proposed CIP includes a number of new and ongoing capacity projects (as well as "rev/ex" projects involving additional classroom capacity) (see ©23).

Race/Ethnic and Economic Diversity

Mr. Crispell will also talk about the ongoing demographic changes in the student population, including racial/ethnic trends (including ESOL), as well as the rising rate of student eligibility for free and reduced meals (FARMS) (35.1 percent in 2014; up from 34.3 percent in 2013 and 22.0 percent ten years ago), with 82% of FARMS participants qualifying for free meals.

Subdivision Staging Policy (SSP) Summary

The presentation also provides a summary of the school test within the Subdivision Staging Policy. This test looks at projected enrollment and capacity at the beginning of the 6th schoolyear of the CIP period (August 2021 for the FY17-22 CIP) in 25 high school clusters at each school level (elementary, middle, and high school). Capacity assumptions are based on the Board of Education's Proposed FY17-22 CIP. For purposes of the test, the Northeast Consortium schools and the Downcounty Consortium schools are divided into the home high school areas.

There are three categories into which a cluster may fall within the school test:

- **Cluster utilization is at 105 percent or below at each of the three school levels:** The cluster passes the test.
- **Cluster utilization is between 105 percent and 120 percent at one or more school levels:** The Planning Board may approve a residential subdivision if the developer commits to paying a school facilities payment.
- **Cluster utilization is above 120 percent at one or more school levels (moratorium):** The Planning Board must not approve a residential subdivision in that cluster during the upcoming fiscal year.

Currently, no school clusters are in moratorium as a result of the FY16 test (test year 2020-21). However, a number of school clusters fell within the "school payment" category based on last year's school test (see ©27), and a number of "cluster solution" projects were approved to avoid moratoria in various clusters.

Cluster Solution Projects (PDFs on ©49a-49d)

The Approved FY15-20 CIP currently assumes six “cluster solution”² projects. Four projects (Einstein Cluster HS Solution, Gaithersburg Cluster ES Solution, Northwood Cluster HS Solution, and Wheaton Cluster MS Solution) were added by the Council during last year’s FY15-20 CIP amendment review process. Two additional projects (Walter Johnson Cluster HS Solution and Northwood Cluster MS Solution) were added by the Council on July 28, 2015 because these clusters were at risk of going into moratorium (see ©27).

The Board of Education’s FY17-22 Proposed CIP includes four of these “cluster solution” projects: Albert Einstein Cluster HS Solution, Gaithersburg Cluster ES Solution, Walter Johnson Cluster HS Solution, and Northwood Cluster HS Solution. The other two existing projects, Wheaton Cluster MS Solution and Northwood Cluster MS Solution, are proposed to be dropped from the CIP. No new cluster solution projects are proposed.

With regard to the FY17 test (test year FY22) , the summary chart on ©24 shows that, assuming Council approval of the Board of Education’s Proposed CIP (and the cluster solution projects proposed), no clusters would go into moratorium. However, a number of clusters would fall within the “school facility payment” category.

The following table presents the preliminary FY17 SSP test for each of the six current approved cluster solution projects and how the Board of Education’s Proposed CIP deals with these projects:

² A “cluster solution” project is a placeholder project with dollars for classroom space in the outyears of the CIP that provides sufficient capacity to keep a cluster below the 120 percent moratorium threshold. The Council utilizes placeholder projects only in cases where MCPS has the capability to add the required space within the window of the school test period.

**Table 1: Board of Education Proposals Regarding
the FY15-20 Approved Cluster Solution Projects**

Cluster	FY22 w/o Placeholder	Placeholder Seats Added	Result	Comment
Downcounty Cons. (Einstein)				
High School Enrollment	2,033	135	2,033	Approved: 6 classrooms assumed in cluster solution project. Cluster will still fall within the school facilities payment requirement. Planning dollars were approved in FY16 to do a comprehensive HS capacity study for the Downcounty Consortium. BOE Proposed: Same as Approved
High School Capacity	1,604		1,739	
seats available (deficit)	(429)		(294)	
utilization rate	126.7%		116.9%	
Downcounty Cons. (Northwood)				
High School Enrollment	2,002	225	2,002	Approved: 10 classrooms assumed in cluster solution project. Cluster will still fall within the school facilities payment requirement. Planning dollars were approved in FY16 to do a comprehensive HS capacity study for the Downcounty Consortium. BOE Proposed: Same as Approved
High School Capacity	1,519		1,744	
seats available (deficit)	(483)		(258)	
utilization rate	131.8%		114.8%	
Downcounty Cons. (Northwood)				
Middle School Enrollment	1,813	128	1,813	Approved: 6 classrooms assumed in cluster solution project (added on July 28, 2015) because the cluster was on the edge of moratorium (119.6% in the FY21 test) BOE Proposed: No longer needed. Proposed E Brooke Lee MS addition will address this issue.
Middle School Capacity	1,830		1,958	
seats available (deficit)	17		145	
utilization rate	99.1%		92.6%	
Downcounty Cons. (Wheaton)				
Middle School Enrollment	1,623	85	1,623	Approved: 4 classrooms assumed in cluster solution project. Cluster does not go into moratorium w/o placeholder. BOE Proposed: No longer needed. Based on lower enrollment projections for both Loiederman MS and Parkland MS, MCPS is not recommending pursuing any addition project at this time and no cluster solution is recommended for the FY17-22 CIP.
Middle School Capacity	1,466		1,551	
seats available (deficit)	(157)		(72)	
utilization rate	110.7%		104.6%	
Gaithersburg				
Elementary School enrollment	4,685	230	4,685	Approved: 10 classrooms assumed in cluster solution project. BOE Proposed: Keep in CIP with changes. MCPS is doing a broader study to include the Gaithersburg, Magruder, and Wootton clusters with a goal of Board action by late spring. Increase placeholder expenditures up to the equivalent of a new elementary school project.
Elementary School capacity	3,940		4,170	
seats available (deficit)	(745)		(515)	
utilization rate	118.9%		112.4%	
Walter Johnson				
High School Enrollment	2,865	180	2,865	Approved: 8 classrooms assumed in cluster solution project. BOE Proposed: Keep in CIP. MCPS is planning a roundtable discussion group (Spring 2016) to gather input on a range of options to address short and long-term space needs.
High School Capacity	2,335		2,515	
seats available (deficit)	(530)		(350)	
utilization rate	122.7%		113.9%	

The Northwood Cluster MS Solution and the Wheaton Cluster MS Solution projects are no longer needed to avoid moratorium, and the Board proposes deleting them. **Council Staff concurs.** *NOTE: The removal of the Wheaton Cluster MS Solution project results in the cluster falling within the School Facilities Payment range.*

The Walter Johnson HS Cluster Solution is still needed to keep that cluster out of moratorium. Recommendations resulting from a roundtable discussion group are expected in October 2016, after which MCPS will consider whether to add one or more specific projects to the CIP. **Council Staff recommends keeping this solution project in the CIP as proposed by the Board.**

All of the high schools in the Downcounty Consortium show space deficits at the end of the CIP, with overall HS utilization in the consortium at 118.6 percent. As shown in the table above, the Einstein and Northwood High School clusters are projected to fall into moratorium. As a result, the Einstein HS Cluster Solution and Northwood HS Solution projects were included in the FY15-20 CIP pending the outcome of a comprehensive capacity study of four of the high schools. The fifth, Wheaton High School, recently reopened after a revitalization/expansion (rev/ex), although work is continuing on site for the separate Edison Center building.

For the FY17-22 CIP, the Board of Education is proposing to build out 24 classrooms of existing shell space at Wheaton High School as part of the rev/ex project. That project is intended to be part of the solution to the Consortium's high school deficit and will bring utilization down to 112.3 percent across the consortium. However, there will still be a deficit of 1,239 seats by FY22. Therefore, it looks like additional high school capacity projects in the Downcounty Consortium may still be needed. Options for addressing this need are being looked at as part of an FY16 facility planning effort. **Council Staff recommends keeping the two solution projects in the CIP for now as placeholders pending the outcome of this planning effort. NOTE: If the Council is supportive of the 24 room addition at Wheaton High School, the Einstein and Northwood HS cluster solution projects may not be needed to avoid moratorium (assuming a portion of the Wheaton HS capacity is utilized to help the other schools). In that case, these two cluster solution projects may need to be revisited in the context of overall MCPS CIP affordability as part of the CIP reconciliation process.**

The fourth proposed project (Gaithersburg ES Cluster Solution) addresses a cluster on the edge of moratorium (118.9%). The Board is requesting a large increase in this project, with planning and design dollars included in FY17. Based on that increased placeholder, the number of seats assumed can be increased substantially in the SSP test (from 230 to 740), which would result in the Gaithersburg Cluster utilization dropping from 112.4 percent to 100.1 percent. MCPS is currently studying elementary school utilization issues options across the Gaithersburg, Magruder, and Wootton clusters, and anticipates Board action in late spring. **Council Staff recommends deferring consideration of this cluster solution project pending this later Board action.**

AGENDA ITEM #2: MCPS FY17-22 CAPITAL IMPROVEMENTS PROGRAM REVIEW

FISCAL SUMMARY

Expenditures

The following table presents six-year and annual totals for the latest (i.e., Amended) FY15-20 CIP, the FY17-22 Board request, and the County Executive's recommendations.

Table 2:
FY17-22 versus Amended FY15-20 Expenditures (in 000's)

	Six-Year	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
FY15-20 Amended	1,543,670	252,954	283,325	264,930	257,398	260,351	224,712		
FY17-22 Board Request	1,728,202			345,630	330,954	318,523	334,536	244,122	154,437
change from amended	184,532	12.0%		80,700	73,556	58,172	109,824		
FY17-22 CE Recommended	1,568,032			284,975	278,238	286,838	250,591	243,436	223,954
change from amended	24,362	1.6%		20,045	20,840	26,487	25,879		
change from Board Request	(160,170)	-9.3%		(60,655)	(52,716)	(31,685)	(83,945)		

The MCPS FY17-22 Proposed CIP includes 55 projects (12 new and 43 ongoing) as shown on ©38. The Board's FY17-22 request totals \$1.73 billion. This level of funding is \$184.5 million (or 12.0 percent) higher than the FY15-20 amended CIP of \$1.54 billion.

The County Executive's Recommended FY17-22 CIP represents a slight increase (+\$24.4 million or 1.6 percent) from the FY15-20 Amended CIP. However, it is \$160.7 million less (-9.3 percent) than the Board's request. **The Executive does not provide a breakdown by project of**

which Board proposed project expenditures he recommends reducing, deferring, or removing, only providing macro level expenditure and funding assumptions.

County Executive Assumptions

The Executive's Recommended CIP assumptions are important considerations, since the Executive's CIP is "balanced" based upon the Council's approved CIP spending affordability guidelines. This means that, apart from changing the spending affordability assumptions to make the overall CIP budget pie larger, to add General Obligation (G.O.) Bond funded expenditures in one area in the CIP, the Council would either have to assume more outside funding (i.e., state aid) or reduce other G.O. bond funded expenditures elsewhere in the CIP.

The County Executive's major assumptions include:

- **Assume \$55.5 million per year in state aid for school construction funding.** *This number seems ambitious given the County received \$45.9 million in FY16. Ultimately, the key determinant of what the County can expect to get will be the overall statewide allocation to school construction. NOTE: Unlike the past two years, no new source of state aid (i.e., "school financing bonds") is assumed.*
- **Revise impact tax and recordation tax assumptions.** *These changes are modest compared to past years. Six-year funding for the recordation tax is up about \$34 million. School impact taxes are down about \$15.6 million from the amended CIP though.*
- **Increase Current Revenue by about \$10.6 million from the Amended CIP over the six-year period.** *This is primarily the result of increases assumed in the Technology Modernization project (albeit lower than what the Board has proposed).*
- **For purposes of spending affordability, assume annual bond funding levels in the Total CIP at \$340 million per year (consistent with the Council's actions to date).** *However, the County Executive is assuming a 100 percent implementation rate for the FY17-22 period. Last year, a 94.6 percent implementation rate was assumed for FYs16-20. This lower rate allowed for some "overbooking" of bonds of about \$136 million in the FY15-20 Amended CIP.*

Given the likely difficulty in funding the MCPS CIP at the level proposed by the Board, Council Staff recommends a similar affordability process this year as has been done in past years. **Council Staff recommends that the Education Committee ask MCPS to review its FY17-22 Proposed CIP and develop a list of projects in priority funding order by project or by group of projects. This package should reduce the MCPS FY17-22 CIP by fiscal year down to a level that would offset both the Executive's recommended reductions to the Board's CIP Request and any shortfall in state aid for school construction from what the Executive has recommended.**

This priority list of projects should be provided to the Education Committee by late April so that the Education Committee has time to make final affordability recommendations prior to CIP reconciliation by the Council in early May.

State Aid

As noted above, the Executive's Recommended Budget assumes a higher level of annual state aid (\$55.5 million) than previously assumed in recent years (typically \$40 million). Part of this increase is expected to come from the "Capital Grant Program for Local School Systems with Significant

Enrollment Growth” (or EGRC) fund (established during the 2015 legislative session), which helped bump the total FY16 state aid MCPS received last year from \$39.8 million to \$45.6 million. The Governor is required to provide \$20 million statewide in this fund. A bill has been introduced in the current legislative session to double the EGRC funding to \$40 million per year. There is also discussion of increasing the new bond authorization beyond the Governor’s recommended \$280 million amount for the School Construction fund.

While MCPS is eligible for far more aid in FY17 (\$150 million as detailed on ©39), the County has typically received \$30 to \$40 million per year, as shown in Table #3 below.

Table #3:
State Aid for School Construction
FY07-FY17 (in millions)

Fiscal Year	LEA Requests	Statewide Allocation	MCPS Request	% of Statewide Approved	% of Statewide Allocation
FY07	\$730.4	\$320.5	\$125.2	\$40.1	12.5%
FY08	\$893.8	\$400.0	\$134.0	\$52.3	13.1%
FY09	\$871.4	\$340.0	\$132.8	\$46.3	13.6%
FY10	\$766.0	\$266.7	\$113.9	\$28.4	10.6%
FY11	\$729.1	\$263.7	\$139.1	\$30.2	11.5%
FY12*	\$612.3	\$311.6	\$163.5	\$42.0	13.5%
FY13	\$576.3	\$347.9	\$184.5	\$43.1	12.4%
FY14	\$684.0	\$320.8	\$149.2	\$35.1	10.9%
FY15	\$643.1	\$318.8	\$162.9	\$40.0	12.5%
FY16**	\$569.9	\$318.2	\$148.0	39.8	12.5%
FY17***	\$599.1	\$280.0	\$150.0	TBD	TBD

*For FY12, \$47.5 million in alcohol beverage sales and use tax proceeds (HB1213) is included in the statewide allocation totals. MCPS received an additional \$9.0 million from these proceeds.

**FY16 approved total does not include EGRC funding of \$5.8 million received by MCPS.

***For FY17 the total statewide allocation is based on the Governor's preliminary allocation

Each year is very competitive, with statewide requests generally totaling two to three times the budgeted funds. For FY17 to date, Montgomery County has been allocated \$25.7 million out of the \$210 million allocated (75% of the Governor’s \$280 million preliminary allocation) so far by the Interagency Committee on School Construction (IAC). Another \$70 million remains to be allocated statewide, not counting any prior year reverted contingency funds that will be available from FY16 (typically about \$35 to \$40 million each year), plus the FY17 EGRC dollars the County is expected to receive. **We will not know the final outcome of MCPS’ state aid request until late April (after Sine Die and Board of Public Works final action). At that point, approved state aid can be addressed during the Council’s CIP reconciliation process.**

CIP PRIORITIES

MCPS’ capital improvement priorities are noted in Chapter 3 of the Superintendent’s Recommended FY2017 Capital Budget and the FY 2017-2022 Capital Improvements Program. The priorities include:

1. Compliance projects (such as ADA, asbestos abatement, fire safety upgrades, stormwater discharge): These projects are required to comply with laws and regulations.

2. Capital Maintenance Projects (such as PLAR, Roofs, HVAC): These projects are intended to keep facilities in good and safe condition and to preserve assets and avoid more costly repairs later.
3. Capacity projects (such as new schools and additions): MCPS considers additions and new schools when projected seat deficits reach particular thresholds, as noted in Chapter 3.
4. Revitalization/Expansion Projects: These projects are intended to preserve aging facilities and bring schools up to current educational program and building standards.
5. System Infrastructure (such as transportation depots, maintenance facilities, warehouse, food services)
6. Technology Modernization (such as computers and mobile devices)

These priorities are important to keep in mind during the Committee's review of MCPS' CIP and especially when the Committee reviews affordability of the MCPS CIP, likely in late April.

CONSENT PROJECTS

Council Staff has identified the following projects in the Board's Proposed CIP as "consent" projects. These projects have no requested change in scope, cost, or timing. They are recommended for approval subject to Council reconciliation in early May. They are summarized below.

Individual School Projects Under Construction

Six school additions and 1 new school project are under construction. These are presented in Table 4 below and account for \$49.2 million within the Board of Education's Requested FY17-22 CIP. **Council Staff recommends approval of these projects.**

Table 4: Individual School Projects Under Construction

Project Name (completion date)	6 Year	FY17	FY18	Comment	Opening Date	Seats Added
Bethesda-Chevy Chase MS #2 (New)	38,054	32,674	5,380	New school under construction . F&E appropriation requested.	August 2017	930
Clarksburg/Damascus MS (New)	8,578	8,578		New school under construction . Fully appropriated.	August 2016	965
Julius West MS MS Addition	1,676	1,676		18 classroom addition under construction. Fully appropriated.	August 2016	391
Wood Acres ES Addition	915	915		8 classroom addition under construction. Fully appropriated.	August 2016	229
Totals	49,223	43,843	5,380			2,515

Individual School Projects Proposed for Removal by the Board

Five approved elementary school addition projects in the Downcounty Consortium are proposed by the Board to have expenditures zeroed out in the FY17-22 CIP because of revised enrollment and capacity projections showing them below the policy threshold assumed for addition projects in the CIP.³ These projects include: Brookhaven, Glen Haven, Highland, Kemp Mill, and Sargent Shriver Elementary Schools. **Council Staff concurs with the Board's proposal to zero out these five projects.** *NOTE: The Arcola ES Addition, also in the Downcounty Consortium, opened in August 2015 and therefore does not appear in the FY17-22 Proposed CIP.*

³ MCPS practice has been that at least a deficit of 92 seats (for elementary school), 150 seats (for middle school), and 200 seats (for high school) by the end of the six-year planning period are needed for consideration of a classroom addition. However, for fiscal reasons, for inclusion of an addition in the FY17-22 CIP, MCPS is assuming a deficit of at least 125 seats at elementary schools. In the FY15-20 CIP, the threshold for consideration of elementary school additions was 150 seats.

Countywide Projects with No Changes

The Board's request includes five "Countywide" systemic projects (with FY17-22 expenditures totaling \$61.3 million) that reflect no change in scope, cost, or timing from the latest Approved FY15-20 CIP. These projects are presented in Table 5 below. **Council Staff recommends approval of these projects (subject to final reconciliation in early May).**

Table 5: Countywide Projects with No Scope or Cost Change

Project Name	Per Year		Comment
	6 Year	Spending	
Asbestos Abatement: MCPS	6,870	1,145	No change in annual funding level
Design and Construction Management	29,400	4,900	No change in annual funding level
Energy Conservation: MCPS	12,342	2,057	No change in annual funding level
Indoor Air Quality Improvement	8,982	1,497	No change in FY17-20 funding levels
Stormwater Discharge & Water Quality Management	3,696	616	No change in annual funding level
Totals	61,290	10,215	

Countywide "Systemic" and Other Projects

Ongoing Projects Recommended for Approval as Proposed

ADA Compliance (PDF on ©40)

	Total 6 Years	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
FY15-20 Amended	10,800	3,000	3,000	1,200	1,200	1,200	1,200	n/a	n/a
FY17-22 BOE Proposed	9,000	3,000	3,000	2,100	2,100	1,200	1,200	1,200	1,200
change from amended	(1,800)	n/a	n/a	900	900	-	-	n/a	n/a
percent change from amended	-16.67%	n/a	n/a	75.0%	75.0%	0.0%	0.0%	n/a	n/a

This project provides program accessibility for all MCPS activities and facilities when modifications or improvements to existing buildings are needed. The level of effort in this project was increased in FY15 and FY16, related directly to the County's settlement with the Department of Justice and requirements to assess and remediate accessibility issues in public facilities.

The Board's request for FY17 and FY18 represents a \$900,000 increase over the approved level, but is a decrease from the FY15-16 funding level. The ongoing level of effort in this project continues a level of effort for ongoing ADA concerns.

Council Staff recommends approval of the Board's request as submitted.

Facility Planning: MCPS (PDF on ©41)

	Total 6 Years	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
FY15-20 Amended	3,690	900	550	770	400	670	400	n/a	n/a
FY17-22 BOE Proposed	2,910	900	550	635	535	360	460	460	460
change from amended	(780)	n/a	n/a	(135)	135	(310)	60	n/a	n/a
percent change from amended	-21.14%	n/a	n/a	-17.5%	33.8%	-46.3%	15.0%	n/a	n/a

The PDF states that the FY17 funding is requested to support pre-planning of one elementary school addition, one middle school addition, two high school additions, and four elementary, one middle, and one high school revitalization/expansion projects.

Funding for this project typically reflects the scope of work necessary to implement the final approved CIP project schedule. As a result, Council staff recommends preliminary approval of this project as requested by the Board, anticipating that adjustments may need to be made based on final Council project decisions.

Fire Safety Code Upgrades (PDF on ©42)

	Total 6 Years	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
FY15-20 Amended	7,268	2,000	2,000	817	817	817	817	n/a	n/a
FY17-22 BOE Proposed	13,268	2,000	2,000	5,000	5,000	817	817	817	817
change from amended	6,000	n/a	n/a	4,183	4,183	-	-	n/a	n/a
percent change from amended	82.55%	n/a	n/a	512.0%	512.0%	0.0%	0.0%	n/a	n/a

This project addresses sprinklers, escape windows, exit signs, fire alarm devices, exit stairs, and hood and fire suppression systems to comply with annual Fire Marshal inspections.

MCPS reports that the full \$3 million increase requested in FY17-18 is to address code compliance issues related to the storage of flammable materials at schools systemwide. The Fire Marshal has raised this issue, and the school system plans to address it over the next two fiscal years in addition to the ongoing level of effort work.

Council Staff recommends approval as submitted by the Board of Education.

Improved Safe Access to Schools (PDF on ©43)

	Total 6 Years	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
FY15-20 Amended	2,400	1,200	1,200	-	-	-	-	n/a	n/a
FY17-22 BOE Proposed	4,000	1,200	1,200	2,000	2,000	-	-	-	-
change from amended	1,600	n/a	n/a	2,000	2,000	-	-	n/a	n/a
percent change from amended	66.67%	n/a	n/a	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	n/a	n/a

This project funds improvements to both pedestrian and vehicular access to schools. Projects are developed through coordination with the School Transportation Efficiency Planning (STEP) Committee. This committee includes representatives from MCPS, DOT, M-NCPPC, Fire and Rescue, Police, OMB, and others. Each year, requests from schools are submitted to address safe access issues.

The requested level of effort for FY17-18 is an increase of \$800,000 over the FY15-16 level. The Committee and Council have had extensive discussion recently about youth pedestrian safety and the need for safety measures and traffic mitigation at schools. This project deals with the immediate school area and not the wider walking or transportation routes that Committee members have also expressed concern about. However, it is clearly an important safety priority project.

Council Staff recommends approval as submitted by the Board of Education.

Restroom Renovations (PDF on ©44)

	Total 6 Years	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
FY15-20 Amended	3,350	1,000	1,000	1,000	350			n/a	n/a
FY17-22 BOE Proposed	4,540	1,000	1,000	2,290	2,250				
change from amended	1,190	n/a	n/a	1,290	1,900	-	-	n/a	n/a
percent change from amended	35.52%	n/a	n/a	129.0%	542.9%	#DIV/0!	#DIV/0!	n/a	n/a

This project provides needed modifications to specific areas of restroom facilities. A study was conducted to evaluate all restrooms in schools that were built or renovated before 1985. Restroom renovation projects were subsequently identified and prioritized. Under the approved and requested funding, all identified projects will be completed by FY18. MCPS reports that the increased funding request in FY17-18 is due to cost escalation since the project was initially approved.

Council Staff recommends approval as submitted by the Board of Education.

Systemic Project with Requested Increase – BMPI**Building Modifications and Program Improvements (PDF on ©45)**

	Total 6 Years	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
FY15-20 Amended	8,300	4,800	3,500			-	-	n/a	n/a
FY17-22 BOE Proposed	8,400	4,800	3,500	5,200	3,200	-	-	-	-
change from amended	100	n/a	n/a	5,200	3,200	-	-	n/a	n/a
percent change from amended	1.20%	n/a	n/a	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	n/a	n/a

This project was first added to the CIP in FY07 and provides for improvements to schools that are not scheduled for capital improvements in the six-year period. The limited modifications are related to instructional and support spaces for new or expanded programs or administrative space.

The FY 2016 approved appropriation for this project was \$3.5 million. The superintendent's recommendation for FY 2017 was \$3.2 million to maintain the level of effort for this project to provide building modifications to address program changes and space deficits in buildings, where possible. The Board of Education, during its worksession to approve the requested FY 2017–2022 CIP, included an additional \$2 million in this project to address concerns at Silver Spring International Middle School that were raised during testimony at the Board of Education's public hearing. MCPS reports that staff will evaluate the concerns raised and, if funds are approved, will determine what modifications are both feasible and constructible.

While Council Staff acknowledges the backlog of need for these projects, the question will be how much, if any, additional funding can be allocated to these projects in the context of affordability and other priorities in the capital budget. This question typically cannot be definitively answered until later in the budget process and during final reconciliation. Council Staff also notes that, given the significant increase requested, the Council could approve a smaller amount than requested and still increase the level of effort.

Systemic Projects with Requested Increases – Roof Replacement, HVAC, and PLAR

The Board requested significant increases in the Roof Replacement and HVAC projects over the six-year period, and a smaller increase in PLAR. These projects are continually high priorities for MCPS, with considerable backlogs of work to be done.

These projects were reviewed in the most recent Infrastructure Maintenance Task Force (IMTF) Report. The report identifies an Acceptable Annual Replacement Cost (AARC) of how much money should be budgeted annually for replacement or rehabilitation so that, if continued, ultimately the entire inventory of the element will last over its acceptable life span. Rarely is the AARC achieved, but if funds are available, it is useful as a target. The MCPS portion of the report is attached on ©20-24.

For both the HVAC and PLAR projects, the Board has requested significant increases in each CIP and capital budget cycle since FY11. For both projects, the Council has in most years approved an increase in the level of effort, but not as much of an increase as was requested by the Board.

For each project, Council Staff notes below the requests in comparison to the report's AARC amount. **While Council Staff acknowledges the scope and priority of the Roof, HVAC, and PLAR projects, the question again will be how much, if any, additional funding can be allocated to these projects in the context of affordability and other priorities in the capital budget.** This question typically cannot be definitively answered until later in the budget process and during final reconciliation. Council Staff also notes that, given the significant increase requested, the Council could again approve a smaller amount than requested in Roof Replacement and HVAC and still increase the level of effort.

Roof Replacement: MCPS (PDF on ©46)

	Total 6 Years	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
FY15-20 Amended	41,872	8,000	8,000	6,468	6,468	6,468	6,468	n/a	n/a
FY17-22 BOE Proposed	50,000	8,000	8,000	12,000	12,000	6,500	6,500	6,500	6,500
change from amended	8,128	n/a	n/a	5,532	5,532	32	32	n/a	n/a
percent change from amended	19.41%	n/a	n/a	85.5%	85.5%	0.5%	0.5%	n/a	n/a

The Board's request for this project reflects the same level of effort, \$6.5 million, in FY19-22, but requests \$12 million in FY17 and FY18, an increase of \$5.5 million each of those two years.

The IMTF reflects an AARC of \$16.6 million for roof replacement, with a \$29.5 million backlog. The FY17 and FY18 requested funding is 73% of the AARC, and the level of effort in the outyears is 40% of the AARC.

The PDF states that the FY17 funds are expected to support full or partial roof replacements at 7 elementary schools, 2 middle schools, and one high school. **The Committee may want MCPS to comment on whether there are specific or time sensitive needs at the identified schools that require increased funding in FY17 and FY18 only.**

Council Staff supports the FY17-18 increase in this area if funds are available, but notes that this is an area that could be reduced, if necessary, to meet affordability concerns. Again, the Council will need to determine how much additional funding is available, given the number of competing priorities for the capital budget within schools and across all agencies. Council Staff highlights that the Council could reduce the Board's request and still increase the level of effort, if necessary, due to affordability considerations.

HVAC (Mechanical Systems) Replacement: MCPS (PDF on ©47)

	Total 6 Years	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
FY15-20 Amended	92,000	28,000	16,000	12,000	12,000	12,000	12,000	n/a	n/a
FY17-22 BOE Proposed	132,000	28,000	16,000	30,000	30,000	18,000	18,000	18,000	18,000
change from amended	40,000	n/a	n/a	18,000	18,000	6,000	6,000	n/a	n/a
percent change from amended	43.48%	n/a	n/a	150.0%	150.0%	50.0%	50.0%	n/a	n/a

This project provides for the systematic replacement of heating, ventilating, air conditioning, automated temperature controls, and plumbing systems for MCPS. This is a critical systems project for MCPS, with an extensive backlog of projects to be completed, and is continually a high priority for the school system.

The IMTF report identifies an AARC for HVAC of \$31.4 million. The Board's request for FY17 and FY18 is \$30 million, 96% of the AARC. The requested level of effort of \$18 million for the remainder of the six-year period is 57% of the AARC. The IMTF report cites a backlog of \$167.8 million in HVAC work.

The PDF states that the FY17 funding will support system upgrades and/or replacements at 11 elementary schools, 2 middle schools, and one high school.

Council Staff supports an increase in this area if funds are available, but notes that this is an area that could be reduced, if necessary, to meet affordability concerns. Again, the Council will need to determine how much additional funding is available, given the number of competing priorities for the capital budget within schools and across all agencies. Council Staff highlights that the Council could reduce the Board's request and still increase the level of effort, if necessary, due to affordability considerations.

Planned Lifecycle Asset Replacement (PLAR): MCPS (PDF on ©48)

	Total 6 Years	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
FY15-20 Amended	37,576	8,862	9,750	4,741	4,741	4,741	4,741	n/a	n/a
FY17-22 BOE Proposed	40,964	8,862	9,750	11,000	11,000	4,741	4,741	4,741	4,741
change from amended	3,388	n/a	n/a	6,259	6,259	-	-	n/a	n/a
percent change from amended	9.02%	n/a	n/a	132.0%	132.0%	0.0%	0.0%	n/a	n/a

This project funds replacement of key facility and site components, based on an inventory of their ages and conditions. Components addressed in this project cover a wide range, including code corrections, flooring, lighting, and playground equipment.

The Board requested a fairly modest increase of \$1.25 million in FY17-18. MCPS provided the following detail on the funding request:

The FY 2017 request will address facility components in schools that have reached the end of their life-cycle. It is difficult to determine the number of projects that will be funded with the FY 2017 request due to the difference in scope and cost for each project. The approved FY 2016 appropriation of \$9.75 million funded approximately 180 projects. Based on the Board of Education's request of \$11 million for FY 2017, MCPS anticipates, with an additional \$1.25 million, approximately 10-15 additional projects can be completed, depending on the scope and cost of the projects.

The IMTF report indicates an AARC for this project of \$165.9 million per year. This is the combined total of a wide range of projects that fall under PLAR; the report breaks out various subcategories of work in this project on circles 20-24. This is clearly an out-of-reach funding target, but does indicate the range and number of outstanding projects in this area.

Council Staff supports an increase in this area if funds are available, but notes that this is an area that could be reduced, if necessary, to meet affordability concerns. Again, the Council will

need to determine how much additional funding is available, given the number of competing priorities for the capital budget within schools and across all agencies.

Rehab/Renovation of Closed Schools (RROCS): English Manor ES (PDF on ©49)

The Board's request for RROCS includes \$5.0 million in FY17 for modifications to the English Manor ES site.

The former English Manor Elementary School is a closed school facility currently owned by Montgomery County. English Manor ES can be returned to the Board of Education for school system use, and MCPS recently indicated that it has initiated the reclamation process for English Manor ES with the County.

Last spring, the Board of Education proposed relocating the Alternative Education Programs currently housed at the Blair Ewing Center on Avery Road to English Manor ES. The Council agreed to support feasibility studies for the redesigned Alternative Education Programs, both at the Avery Road location and at other sites determined by the Board of Education. The Board subsequently identified twelve school locations to study as possible accommodations for the Alternative Education Programs.

At this time, MCPS reports that these feasibility studies are underway, with anticipated completion later this year. MCPS expects to include any resulting recommendation as part of the CIP Amendments in the next budget cycle.

At this time, MCPS also reports that modifications and repairs to English Manor ES are needed independent of its ultimate use, and the Board's \$5 million request will support these immediate needed improvements, such as a new roof, mechanical system, and other code compliance items in order to occupy the building. MCPS has identified many possible uses for this facility, including both programmatic and administrative use options. The basic repairs requested in FY17 will be necessary under any future circumstances, and additional specific facility needs can be identified once the final use of the building is determined.

Council Staff notes that none of the projects before the Committee in the MCPS CIP address the ongoing issues related to the Council's consideration of the Declaration of No Further Need for Jeremiah Park and the relocation of the Shady Grove Transportation Depot. Feasibility studies related to the depot relocation continue and will return to the Council as they are completed.

Council Staff recommends approval of the requested funds to begin to repair English Manor ES, as requested by the Board of Education.

School Security Systems – Project Update

This project addressed aspects of security throughout MCPS and has funded several security initiatives. These have included installation and replacement of Closed Circuit Television (CCTV) cameras in secondary schools and installation of visitor management and access systems in all schools.

The project most recently had funding in FY15 to complete work in the summer of 2014. In FY15 budget discussions, MCPS stated that the school system would undertake an assessment of security enhancement needs, and that any identified funding needs would be considered in a future CIP request.

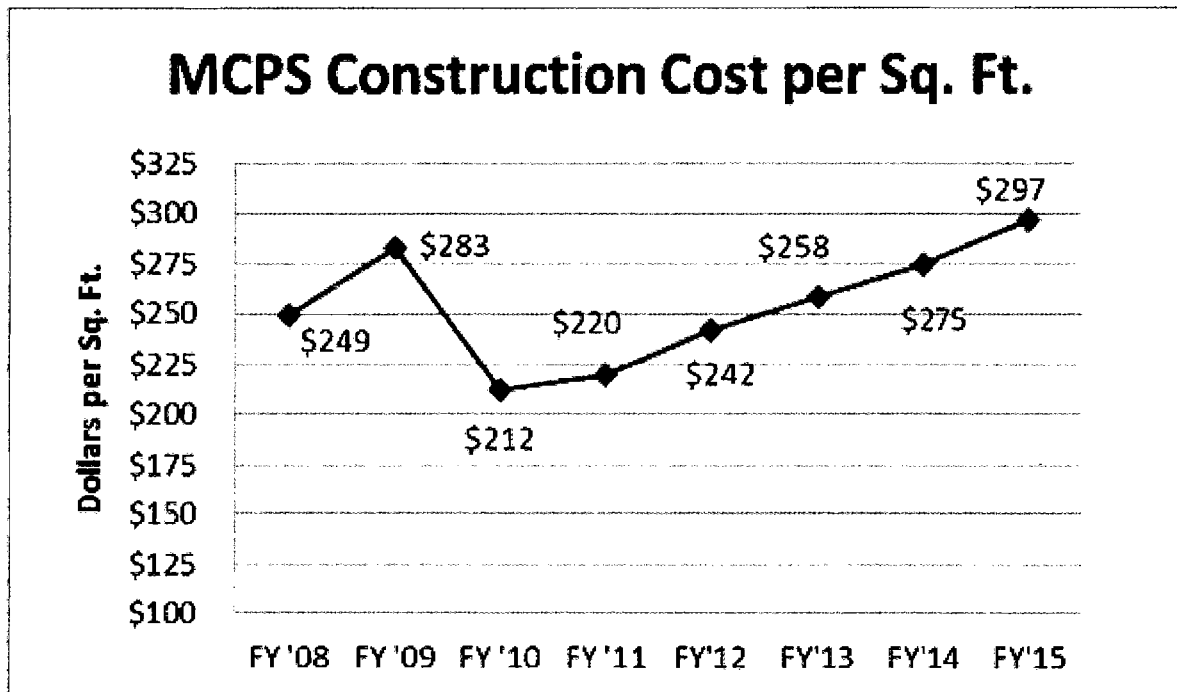
This project has been removed from the Board's CIP request, which is consistent with the previously identified scope of work. The Committee may want to ask MCPS to provide an update on the status of the assessment of security needs and how any identified issues may be addressed going forward.

CAPACITY PROJECT REVIEW

School Construction Cost Trends

Council Staff asked MCPS for an update on its school construction cost experience over the past several years, based on its actual costs and bid experience. MCPS provided the following update:

Below is a table that shows the cost per square foot from FY 2008–FY 2015. Currently for FY 2016, MCPS has only bid three projects and, therefore, the average fiscal costs per square foot are not available at this time. For FY 2017 and beyond, based on the unique characteristics of each project, a standard cost/square foot for future projects is difficult. However, averaging all projects on a cost/square foot basis for additions and revitalization/ expansion projects, it would be \$298/sqft and \$293/sqft respectively.



As can be seen from the chart, since FY10, MCPS has been experiencing a steady overall increase in per square foot costs for construction. This means that just updating existing costs for those projects not yet under construction will squeeze resources otherwise available for new projects.

Cost Changes in Capacity Projects

The following table presents capacity project costs as they appear in the Approved FY15-20 CIP (as amended) and in the Board of Education's Requested FY17-22 CIP.

Table 6: Approved and Proposed Costs in Individual School Projects

		Total Project Cost (in 000s)			
Project		FY15-20	FY17-22 BOE	Change	% Change
Individual Schools					
Ongoing Projects	Ashburton ES Addition	5,089	13,944	8,855	174.0%
	Lucy v. Bamsley ES Additionj	12,974	13,224	250	1.9%
	B-CC High School Addition	30,787	39,647	8,860	28.8%
	B-CC Middle School #2	52,314	52,314	-	0.0%
	Brookhaven ES Addition	5,381	192	(5,189)	-96.4%
	Burtonsville ES Addition	9,766	12,818	3,052	31.3%
	Clarksburg/Damascus MS	52,764	52,764	-	0.0%
	Diamond ES Addition	8,926	9,147	221	2.5%
	Albert Einstein Cluster HS Solution	2,334	2,334	-	0.0%
	Blair Ewing Center Improvements	16,579	16,579	-	0.0%
	Gaithersburg Cluster ES Solution	3,888	26,000	22,112	568.7%
	Glen Haven ES Addition	4,092	147	(3,945)	-96.4%
	Highland ES Addition	8,225	285	(7,940)	-96.5%
	Kemp Mill ES Addition	8,658	310	(8,348)	-96.4%
	Kensington-Parkwood ES Addition	11,156	12,879	1,723	15.4%
	S. Christa McAuliffe ES Addition	10,171	11,385	1,214	11.9%
	North Bethesda MS Addition	18,610	21,593	2,983	16.0%
	Northwest ES #8	32,450	19,450	(13,000)	-40.1%
	Northwood Cluster HS Solution	3,888	3,888	-	0.0%
	Judith Resnik ES Addition	11,512	10,989	(523)	-4.5%
	Sargent Shriver ES Addition	3,881	136	(3,745)	-96.5%
	Julius West MS Addition	15,303	15,303	-	0.0%
	Wheaton Cluster MS Solution	1,556	-	(1,556)	-100.0%
	Wood Acres ES Addition	8,606	8,606	-	0.0%
	RM ES #5 (Hungerford Park Site) (in RROCs)	35,381	33,101	(2,280)	-6.4%
New Projects	Clarksburg Cluster ES (New) (Clars, Village Site #2)	n/a	36,008	n/a	n/a
	East Silver Spring ES Addition	n/a	3,514	n/a	n/a
	Greencastle ES Addition	n/a	11,218	n/a	n/a
	Col. E Brooke Lee ES Addition	n/a	20,045	n/a	n/a
	Montgomery Knolls ES Addition	n/a	6,605	n/a	n/a
	Pine Crest ES Addition	n/a	8,623	n/a	n/a
	Piney Branch ES Addition	n/a	4,211	n/a	n/a
	Thomas W. Pyle MS Addition	n/a	18,899	n/a	n/a
	Takoma Park MS Addition	n/a	25,186	n/a	n/a
	Walt Whitman HS Addition		22,073		
Woodlin ES Addition		15,297			

As would be expected, a number of projects already under construction show no cost increase. Others not yet under construction show significant increases, either because of inflationary increases or because of specific scope changes over the past two years.

The largest cost decrease (\$13 million) is for the Northwest ES #8 (*PDF on ©49e*). However, this decrease is not related to any change in the cost estimate to build the new school, but rather to the Board's interest in considering alternatives in light of a decline in overutilization in the cluster. Despite the 40 percent drop in cost, MCPS' enrollment and capacity projections still presume that a new 740 seat school will open in the six-year period. **If the costs are to be considered placeholder costs for a future solution, Council Staff recommends that 1) the project title be changed to Northwest cluster ES Solution project; and 2) the assumed capacity be reduced to a more realistic amount that could be provided at the lower cost level.**

The largest cost increase is for the Gaithersburg Cluster ES Solution project. As discussed earlier, this solution project is proposed to be funded at roughly the cost of a new elementary school, with the intention that a broad review of elementary school utilization in the Gaithersburg, Magruder, and Wootton clusters will be done in FY16 to identify the specific solution. This project has \$2.0 million included in FY17 for design, which assumes the Board of Education chooses an option later this spring and that option is approved by the Council in the FY17-22 CIP.

For the ongoing projects, there are a number of large increases. Council Staff asked MCPS to comment on several projects with the largest of these increases. These projects have experienced scope changes, as noted in MCPS' response below:

- ***Ashburton ES Addition (project cost is nearly double; from \$7.2 to \$13.9 million).*** *The original scope of the project was for a capacity of 766 students. Due to the growth in enrollment, the scope of the addition increased by five additional teaching stations and a few additional support spaces to provide a capacity for 881 students.*
- ***Christa McAuliffe ES Addition (11.9% cost increase).*** *This school site has significant grade changes where the proposed addition will be built. Due to changes in building codes and regulations related to site work, the scope of this project was increased to address these site requirements.*
- ***The North Bethesda MS Addition (16% cost increase).*** *The scope of this project changed during the schematic design phase which was during the off year of the CIP. Due to changes in the educational specifications for physical education, scope changes included adding a second gymnasium and some storage instead of another auxiliary gymnasium. Also, the scope change included adding a health classroom and three special education support rooms.*
- ***Kensington-Parkwood ES Addition (15.4% increase).*** *The scope of this project changed to include the expansion of the Multipurpose Room to accommodate the additional capacity of the school. Also, with the expansion of the Multipurpose Room, the kitchen also was relocated and expanded.*

These and the other capacity projects not yet under construction are considered later with regard to utilization issues at the school and in the cluster and whether adjacent cluster capacity may be available.

Countywide Utilization Summary

The following chart summarizes enrollment and capacity by school level (across all clusters) under two scenarios: The Board of Education Request and when counting only existing capacity and capacity already under construction.

**Table 7: Countywide Utilization Rates by School Level
SSP Schools Test (August 2021)**

	BOE	UC*
Elementary School	95.2%	111.2%
Middle School	94.4%	107.3%
High School	103.2%	109.7%

*"Under Construction" only includes existing capacity and capacity for projects currently under construction.

This chart shows that, overall, MCPS does not currently have excess existing capacity (even once projects already under construction are completed). The Board's Proposed CIP would make a significant impact on these utilization rates, but these rates would still be at least in the mid 90 percent range.

These numbers mean that adjacent available capacity from other clusters is likely not available or sufficient to avoid the need for specific capacity projects, although Council Staff will look at each capacity project to see if adjacent capacity may be available in some cases.

August 2021 Subdivision Staging Policy School Test (based on the BOE Request)

With regard to the FY17-22 CIP period, which begins July 1, 2016, the summary chart on ©24 shows that no clusters would go into moratorium under the Board of Education's Proposed CIP, although a number of clusters would fall within the "school payment" category. Table 8 below details projected utilization rates by cluster and by school level, and the new capacity (not already under construction) assumed in the Board of Education request in these rates.

**Table 8: FY22 (August 2021) Utilization Rates by Cluster and School Type
assuming Board of Education Request (BOE)**

	ES BOE	MS BOE	HS BOE	Status of Projects by Cluster
BCC	92.3%	87.5%	101.1%	B-CC HS addition in design in FY16; to open in 8/18. New B-CC MS under construction; to open in 8/17
Churchill	85.5%	84.1%	113.5%	Facility Planning proposed to study a high school addition. Potomac ES revex in design in FY16; to open in 1/20. Wayside ES revex under construction; to open in 8/17
Clarksburg	94.8%	97.5%	98.6%	Seneca Valley HS revex in design; would provide 563 seats in 8/19. New Clarksburg/Damascus MS under construction; to open in 8/16. New Clarksburg Cluster ES project requested to open in 8/20.
Damascus	92.3%	94.0%	89.6%	New Clarksburg/Damascus MS under construction; to open in 8/16.
Downcounty Cons.	99.7%	99.8%	114.3%	
- Blair	96.3%	98.8%	116.3%	DCC HS capacity study in FY16. New Takoma Park MS addition proposed to open in 8/20. New East SS ES Addition proposed; to open in 8/20. New Piney Branch ES Addition proposed; to open in 8/21. New Montgomery Knolls ES Addition proposed; to open in 8/20. New Pine Crest ES Addition; to open in 8/20.
- Einstein	101.3%	90.0%	116.9%	DCC HS capacity study in FY16. HS Cluster solution project proposed to remain in CIP. New Woodlin ES Addition proposed to open in 8/20.
- Kennedy	96.5%	101.3%	112.5%	DCC HS capacity study in FY16 no capacity projects in this cluster. New Col E. Brooke Lee MS Addition proposed; to open in 8/20.
- Northwood	116.0%	98.9%	114.8%	DCC HS capacity study in FY16. HS Cluster solution project proposed to remain in CIP. New Col E. Brooke Lee MS Addition proposed; to open in 8/20.
- Wheaton	91.2%	110.7%	109.7%	DCC HS capacity study in FY16. No capacity projects proposed in this cluster. HS revex opened in 8/15. Funding requested to build-out 24 classroom shell space.
Gaithersburg	100.1%	107.5%	107.6%	ES Cluster solution project proposed to remain in CIP pending the outcome of roundtable discussion group..
Walter Johnson	97.5%	88.3%	113.9%	HS Cluster solution project proposed to remain in CIP pending outcome of roundtable discussion group. N. Bethesda MS addition in design; to open in 8/18. Tilden MS revex in planning; to open in 8/20. Ashburton ES addition in planning; to open in 8/19. Kensington-Parwood ES addition in design; to open in 8/18.
Magruder	91.3%	73.0%	83.6%	Luxmanor revex in planning; to open in 1/2020.
Richard Montgomery	95.4%	96.3%	112.2%	Resnick ES addition in planning; to open in 8/20.
Northeast Cons.	98.9%	98.4%	102.1%	Facility Planning for HS addition. Julius West MS addition to open in 8/2016, RM Cluster ES#5 (Hungerford Park) to reopen in 8/2018
- Blake	96.5%	94.8%	104.2%	
- Paint Branch	97.1%	98.5%	111.0%	Farquhar MS revex to open in 8/16. Stonegate ES revex in planning; to open in 8/21.
- Springbrook	102.3%	102.1%	92.1%	Facility Planning in FY17 proposed for a high school addition. Burtonsville ES addition in design; to open in 8/20. New Greencastle ES addition proposed to open in 8/20.
Northwest	90.9%	96.0%	98.6%	no capacity projects in this cluster
Poolesville	66.8%	65.6%	102.1%	Northwest ES #8 project under review; opening now proposed for 8/20. Diamond ES addition in design; to open in 8/18.
Quince Orchard	113.2%	87.6%	110.4%	no capacity projects in this cluster
Rockville	97.9%	116.2%	101.7%	Brown Station ES revex under construction; to open in 8/17. Dufief ES revex may provide relief when it opens in 8/21.
Seneca Valley	104.6%	89.6%	98.5%	Facility Planning for Wood MS addition. Maryvale ES mod in design; to open in 1/20. Barnsley ES addition in design; to open in 8/18.
Sherwood	78.9%	79.2%	88.4%	Seneca Valley HS revex in design; to open in 8/19, McAuliffe ES addition in planning; to open in 8/19.
Watkins Mill	96.7%	94.8%	95.0%	Farquhar MS revex to open in 8/16. Belmont ES revex in planning; to open in 8/21.
Whitman	93.7%	100.6%	93.0%	No capacity projects in this cluster
Wootton	71.4%	82.2%	92.4%	no capacity projects in this cluster
				New Whitman HS addition proposed to open in 8/20. New Pyle MS addition proposed to open in 8/20. Wood Acres ES Addition to open in 8/16
				Wootton HS revex in planning; to open in 8/21. Cold Spring ES and Dufief ES revex projects in planning; both to open in 8/21

As noted earlier, while no clusters would be in moratorium under the Board's request, a number would fall within the school facility payment range (between 105% and 120%), with some near the top end of that range.

Of particular note are:

- The high schools in the Downcounty Consortium are all projected to be well over capacity by FY22. MCPS is currently doing a comprehensive capacity study for the Consortium high schools to look at options for classroom additions. Two current cluster solution projects, Einstein HS and Northwood HS, are proposed to remain in the CIP pending the outcome of this capacity study and are keeping those high school clusters from being in moratorium. The Board has also proposed building out a 24 room shell space at Wheaton High School.
- The Northwood Cluster (ES: 116%). Even with the completion of the Arcola ES addition, this cluster is projected to still have high ES utilization. While none of the other schools in this cluster are assumed to get additions, the Board has proposed addition projects at Montgomery Knolls ES and Pine Crest ES (both in the Blair Cluster) to help relieve overcrowding at Forest Knolls ES (which is in the Northwood Cluster).
- There are several facility planning studies underway or proposed for FY17 to address overutilization in several other clusters, including: Rockville (middle school), Richard Montgomery (high school), and Churchill (high school).
- Roundtable discussion groups are to be formed to look at high school capacity issues in the Walter Johnson Cluster and elementary school capacity issues in the Gaithersburg, Magruder, and Wootton Clusters.

Utilization Rates by Cluster Assuming No New Capacity

In considering the urgency of projects, it is helpful to look at what would happen in each cluster if requested capacity projects were not to happen. The following table presents each cluster's utilization rates, based only on existing capacity (and capacity currently under construction) and what would be the resulting subdivision staging policy for schools test result.

**Table 9: FY22 (August 2021) Utilization Rates by Cluster and School Type
Based on Existing Capacity and New Capacity Under Construction***

	ES	MS	HS	Comment
BCC	92.3%	87.5%	144.6%	Moratorium
Churchill	89.4%	84.1%	113.5%	School Facility Payment
Clarksburg	113.3%	97.5%	126.4%	Moratorium
Damascus	92.3%	94.0%	89.6%	Adequate Capacity
Downcounty Consortium	104.0%	112.3%	118.6%	
- Blair	108.6%	122.2%	116.3%	Moratorium
- Einstein	107.4%	90.0%	126.7%	Moratorium
- Kennedy	96.5%	112.4%	112.5%	School Facility Payment
- Northwood	116.0%	119.1%	131.8%	Moratorium
- Wheaton	91.2%	110.7%	109.7%	School Facility Payment
Gaithersburg	118.9%	107.5%	107.6%	School Facility Payment
Walter Johnson	118.4%	128.3%	122.7%	Moratorium
Magruder	99.0%	73.0%	83.6%	Adequate Capacity
Richard Montgomery	120.5%	96.3%	112.2%	Moratorium
Northeast Consortium	105.1%	98.4%	102.1%	
- Blake	100.8%	94.8%	104.2%	Adequate Capacity
- Paint Branch	114.1%	98.5%	111.0%	School Facility Payment
- Springbrook	102.3%	102.1%	92.1%	Adequate Capacity
Northwest	115.4%	96.0%	116.8%	School Facility Payment
Poolesville	66.8%	65.6%	102.1%	Adequate Capacity
Quince Orchard	113.2%	87.6%	110.4%	School Facility Payment
Rockville	116.7%	116.2%	101.7%	School Facility Payment
Seneca Valley	116.2%	89.6%	102.3%	School Facility Payment
Sherwood	79.7%	79.2%	88.4%	Adequate Capacity
Watkins Mill	96.7%	94.8%	95.0%	Adequate Capacity
Whitman	93.7%	117.2%	118.0%	School Facility Payment
Wootton	79.6%	82.2%	103.2%	Adequate Capacity

*Under Construction: Does not include capacity for additions, new schools, and rev/ex going to construction in FY17 or beyond.

This table shows the criticality of MCPS' upcoming capacity projects. Without this new capacity, seven clusters go into moratorium, and 10 others fall within the School Facility Payment range (>105%). Only 8 clusters have adequate capacity (i.e., below 105%).

The major problem areas are: B-CC, Clarksburg, Blair, Einstein, Northwood, Walter Johnson, and Richard Montgomery (which would all go into moratorium without new capacity). The Gaithersburg, Northwest, Rockville, Seneca Valley, and Whitman clusters (all with at least one school level above 115% utilization) would be edging toward moratorium.

As noted earlier, under this “no new capacity” scenario, elementary school utilization averages 111.2 percent, middle school utilization is at 107.3 percent, and high school utilization is at 109.7 percent. These numbers mean that adjacent available capacity from other clusters is likely not sufficient to avoid the need for specific capacity projects, although Council Staff will look at each capacity project to see if adjacent capacity may be available in some cases.

Summary of Capacity Projects

Capacity projects include new schools, additions, and those modernizations that include increases in capacity.

Table 10, below, presents the new/reopened/addition school capacity projects that are not yet under construction (whether already approved or newly requested).

Table 10: Individual School Projects Not Yet Under Construction

Project Name	6 Year	FY17	FY18	FY19	FY20	FY21	FY22	Comment
Approved Projects								
Ashburton ES Addition	13,944	603	7,003	5,314	1,024			14 classroom addition (229 seats) to open in August 2019. Design appropriation requested for FY17
Barnsley ES Addition	12,415	6,391	5,041	983				11 classroom addition (274 seats) to open in August 2018. Construction appropriation requested for FY17
Bethesda-Chevy Chase HS Addition	37,682	15,821	18,952	2,909				33 classroom addition (724 seats) to open in August 2018. Construction appropriation requested for FY17
Brookhaven ES Addition	-							Project Removed from the CIP
Burtonsville ES Addition	12,818	489	352	3,574	5,371	3,052		9 classroom addition (251 seats) to open in August 2020. Design appropriation requested for FY17
Diamond ES Addition	8,584	4,329	3,578	677				7 classroom addition (207 seats) to open in August 2018. Construction appropriation requested for FY17
Albert Einstein Cluster HS Solution	2,334		89	556	994	695		6 classroom addition placeholder (135 seats) assumed by August 2020.
Blair Ewing Center Improvements	15,520		3,375	6,274	5,871			
Gaithersburg Cluster ES Solution	26,000	2,000	1,872	6,954	12,254	2,920		CHANGE IN SCOPE: New ES placeholder (745 seats) assumed to open by August 2020.
Glen Haven ES Addition	-							Project Removed from the CIP
Highland ES Addition	-							Project Removed from the CIP
Walter Johnson Cluster HS Solution	3,111		118	741	1,325	927		8 classroom addition placeholder (180 seats) assumed by August 2020.
Kemp Mill ES Addition	-							Project Removed from the CIP
Kensington-Parkwood ES Addition	11,981	6,293	4,756	932				14 classroom addition (274 seats) to open in August 2018. Construction appropriation requested for FY17
S. Christa McAuliffe ES Addition	11,386	512	5,848	4,235	791			12 classroom addition (231 seats) to open in August 2019. Construction appropriation requested for FY17
North Bethesda MS Addition	20,410	10,702	8,168	1,540				17 classroom addition (365 seats) to open in August 2018. Construction appropriation requested for FY17
Northwest ES #8 (NW)	17,364			4,660	7,532	5,172		CHANGE IN COST/TIMING: New school (740 seats) opening pushed back to August 2020. Other solutions being reviewed
Northwood Cluster HS Solution	3,888		147	927	1,656	1,158		10 classroom addition placeholder (225 seats) assumed by August 2020.
Judith Resnik ES Addition	10,989	436	348	5,292	4,120	793		9 classroom addition (224 seats) to open in August 2020. Design appropriation requested for FY17
Sergeant Shriver ES Addition	-							Project Removed from the CIP
RM ES #5 (Hungerford Park) - RROC	33,101	8,455	21,065	3,581				Reopened school to open in August 2018 with a capacity of 602 seats.
Subtotal	241,527	56,011	80,712	49,149	40,938	14,717	-	
Newly Requested Projects								
Clarksburg Cluster ES (new) (Clarksburg Village Site #2)	36,008	1,238	18,058	13,877	2,835			New elementary school (740 seats) to open in August 2019. Design appropriation requested for FY16
East Silver Spring ES Addition (for Rolling Terrace)	3,514	160	96	1,448	1,578	232		4 classroom addition (97 seats) to open in August 2020. Design appropriation requested for FY17
Greencastle ES Addition	11,218	498	398	5,239	4,303	780		8 classroom addition (143 seats) to open in August 2020. Design appropriation requested for FY17
Col E. Brooke Lee MS Addition	20,045	769	461	7,664	9,615	1,536		21 classroom addition (477 seats) to open in August 2020. Design appropriation requested for FY17
Montgomery Knolls ES Addition (for Forest Knolls ES)	6,605	273	218	3,227	2,443	444		4 classroom addition (108 seats) to open in August 2020. Design appropriation requested for FY17
Pine Crest ES Addition (for Forest Knolls ES)	8,623	352	211	3,492	3,942	626		9 classroom addition (207 seats) to open in August 2020. Design appropriation requested for FY17
Piney Branch ES Addition	4,211		274	219	1,727	1,544	447	5 classroom addition (138 seats) to open in August 2021. Design appropriation requested for FY17
Thomas W. Pyle MS Addition	18,899	713	570	8,968	7,323	1,325		14 classroom addition (213 seats) to open in August 2020. Design appropriation requested for FY17
Takoma Park MS Addition	25,186	977	782	12,220	9,403	1,804		25 classroom addition (559 seats) to open in August 2020. Design appropriation requested for FY17
Walt Whitman HS Addition	22,073	830	664	10,567	8,480	1,532		27 classroom addition (507 seats) to open in August 2020. Design appropriation requested for FY17
Woodlin ES Addition	15,297	583	350	5,728	7,437	1,199		8 classroom addition (172 seats) to open in August 2020. Design appropriation requested for FY17
Subtotal	171,679	6,393	22,082	72,649	59,086	11,022	447	
Totals	413,206	62,404	102,794	121,798	100,024	25,739	447	

As shown in the table, approximately \$413 million (about 24 percent of the MCPS CIP) is requested for these projects over the six-year period. These projects in total provide for 8,767 additional seats.

Modernizations that add capacity also need to be factored into school and cluster utilization. The modernization schedule itself will be discussed more specifically at a future Education Committee meeting when the Committee discusses general MCPS affordability issues. The table below presents the modernization schedule and the expenditure and capacity impacts.

Table 11: Modernization Projects: 6 Year Costs and Capacity Impacts

Project Name	6 Year Cost (in \$000s)	FY17	FY18	FY19	FY20	FY21	FY22	Comment
Farquhar MS (Sherwood)	7,029	7,029						To open in 8/2016. Capacity -154
Wayside ES (Churchill)	19,084	12,339	6,745					To open in 8/2017. Capacity -31
Brown Station ES (QO)	29,058	16,405	12,653	-				To open in 8/2017. Capacity +263
Wheaton Woods ES (DCC)	27,466	15,930	11,536					To open in 8/2017. Capacity +417
Seneca Valley HS	145,999	875	28,348	25,925	53,901	36,950		To open in 8/2019. Capacity +1,039
Wheaton HS/Edison Tech (DCC)	89,489	61,910	16,941	10,638				HS opened. Edison to open in Aug 2017. BOE proposes a 24 cr bulldout
Potomac ES (Churchill)	29,934	631	8,390	11,558	9,355			To open in 1/2020. Capacity +124
Maryvale ES/Sandburg (Rockville)	58,103	2,170	12,256	17,736	25,941			To open in 1/2020. Capacity +152
Luxmanor ES (WJ)	28,933	1,416	7,575	13,700	6,242			To open in 1/2020. Capacity +316
Tilden @ Woodward MS (WJ)	53,878	1,476	738	16,602	18,670	16,392		To open in 8/2020. Capacity +261
Wootton HS	100,960	1,613	2,420	23,014	36,154	25,317	12,442	To open in 8/2021. Capacity +253
Cold Spring ES (Wootton)	10,273		403	805	2,357	3,708	3,000	To open in 8/2021. Capacity +45
DuRief ES (Wootton)	10,273		403	805	2,357	3,708	3,000	To open in 8/2021. Capacity +324
Belmont ES (Sherwood)	10,273		403	805	2,357	3,708	3,000	To open in 8/2021. Capacity +23
Stonegate ES (NEC)	10,273		403	805	2,357	3,708	3,000	To open in 8/2021. Capacity +113
Eastern MS (DCC)	42,450		802	604	1,000	22,474	17,570	To open in 8/2022. Capacity TBD
Damascus ES (Damascus)	6,273	-	-	403	805	2,057	3,008	To open in 1/2023. Capacity TBD
Twinbrook ES (RM)	6,273	-	-	403	805	2,057	3,008	To open in 1/2023. Capacity TBD
Summit Hall ES (Gaithersburg)	6,273	-	-	403	805	2,057	3,008	To open in 1/2023. Capacity TBD
Rosemary Hills ES (BCC)	6,273	-	-	403	805	2,057	3,008	To open in 1/2023. Capacity TBD
Poolesville HS	53,069		954	908	1,000	23,057	27,150	To open in 8/2023. Capacity TBD
E. Brooke Lee MS (DCC)	7,238	-	-		802	2,216	4,220	To open in 8/2024. Capacity +447
Totals	758,874	121,794	110,970	125,517	165,713	149,466	85,414	-

Overall, the modernizations in the six-year period provide 4,316 seats. The Seneca Valley High School modernization alone is assumed to provide 1,039 seats to help relieve the Northwest and Clarksburg clusters. The Board proposed addition at Wheaton High School would provide another 540 seats. These capacity impacts are considered in the review of capacity project by cluster section below.

Summary Review of Capacity Projects by Cluster

This section summarizes Council Staff's review of each of the clusters with capacity projects.

In general, Council Staff looked at utilization rate trends, both within the cluster and at the existing school (if applicable). The timing of the project is also important, since the Subdivision Staging Policy test looks at August 2021. Projects requested to open one or more years prior to that date could be deferred without affecting the test. Some summary information is provided in Table 12, below. A more detailed cluster by cluster analysis is attached on ©58-62.

Table 12: School Capacity Project Comparisons

School	Completion Date	Six-Year Cost (in 000s)	Classrooms Added	Seats Added	Utilization School*	Utilization Cluster(s)**	Relocatable on Site***	Enrollment Trend
Approved Projects								
Ashburton ES Addition (WJ)	August 2019	13,944	14	229	135.9%	118.4%	8	increasing
Barnsley ES Addition (Rockville)	August 2018	12,415	11	274	156.1%	118.7%	10	decreasing
Bethesda-Chevy Chase HS Addition (B-CC)	August 2018	37,682	33	724	144.6%	144.6%	8	increasing
Burtonsville ES Addition (NEC)	August 2020	12,818	9	251	135.5%	114.1%	6	increasing
Diamond ES Addition (NW)	August 2018	8,584	7	207	141.9%	115.4%	4	steady
Albert Einstein Cluster HS Solution (DCC)	August 2020	2,334	6	135	126.7%	126.7%	0	increasing
Gaithersburg Cluster ES Solution	August 2020	26,000	0	745	118.9%	118.9%	30	increasing
Walter Johnson Cluster HS Solution	August 2020	3,111	8	180	122.7%	122.7%	0	increasing
Kensington-Parkwood ES Addition (WJ)	August 2018	11,981	14	274	151.5%	118.4%	7	increasing
S. Christa McAuliffe ES Addition (SV)	August 2019	11,386	12	231	135.6%	116.2%	8	increasing
North Bethesda MS Addition (WJ)	August 2018	20,410	17	365	136.7%	128.3%	3	increasing
Northwest ES #8	August 2020	17,364	new school	740	n/a	115.4%	n/a	steady
Northwood Cluster HS Solution (DCC)	August 2020	3,888	10	225	131.8%	131.8%	0	increasing
Judith Resnik ES Addition (Magruder)	August 2020	10,989	9	224	127.2%	99.0%	6	steady
Richard Montgomery ES #5 (Hungerford Park)(RROCs)	August 2018	-	new school	602	n/a	120.5%	n/a	steady
Subtotal		192,906	150	5,406				
Newly Requested Projects								
Clarksburg Cluster ES (new) (Clarksburg Village Site #2)	August 2019	36,008	new school	740	n/a	113.3%	n/a	increasing
East Silver Spring ES Addition (for Rolling Terrace) (DCC)	August 2020	3,514	4	97	117.1%	108.6%	10	steady
Greencastle ES Addition (NEC)	August 2020	11,218	8	143	122.2%	114.1%	0	steady
Col E. Brooke Lee MS Addition	August 2020	20,045	21	477	136.7%	115.7%	0	increasing
Montgomery Knolls ES Addition (for Forest Knolls ES) (DCC)	August 2020	6,605	4	108	131.7%	116.0%	4	steady
Pine Crest ES Addition (for Forest Knolls ES) (DCC)	August 2020	8,623	9	207	131.7%	116.0%	4	steady
Piney Branch ES Addition (DCC)	August 2021	4,211	5	138	121.1%	108.6%	0	increasing
Thomas W. Pyle MS Addition (Whitman)	August 2020	18,899	14	213	117.2%	117.2%	0	steady
Takoma Park MS Addition (DCC)	August 2020	25,186	25	559	139.8%	122.2%	1	increasing
Walt Whitman HS Addition	August 2020	22,073	27	507	118.0%	118.0%	0	increasing
Woodlin ES Addition (DCC)	August 2020	15,297	8	172	127.4%	107.4%	9	steady
Subtotal		171,679	125	3,361				
Total		364,585	275	8,767				

*School utilization rates assume current capacity with August 2022 enrollment

**Cluster utilization rates include additional capacity from projects already under construction but not any capacity from projects approved or proposed which are not already under construction.

***Relocatables listed for for overutilization only.

Based on Council Staff's initial review, all of the projects are justified. However, the need and timing for some projects is more urgent than others.

It is also important for Councilmembers to keep in mind that the newly requested projects by the Board of Education do not have approved completion dates. Therefore, if the Council approves a new project on a later schedule from what was requested, this is still the inclusion of a new project to the CIP and not a deferral.

For a future Education Committee meeting on MCPS affordability (most likely in late April), Council Staff will review any affordability scenarios provided by MCPS and consider alternatives as needed across the full breadth of the MCPS CIP, including capacity projects, modernizations, systemic projects, and others.

Attachments

KML:\levchenko\mcps\fy17 22 cip review\ed 2 22 2016.docx

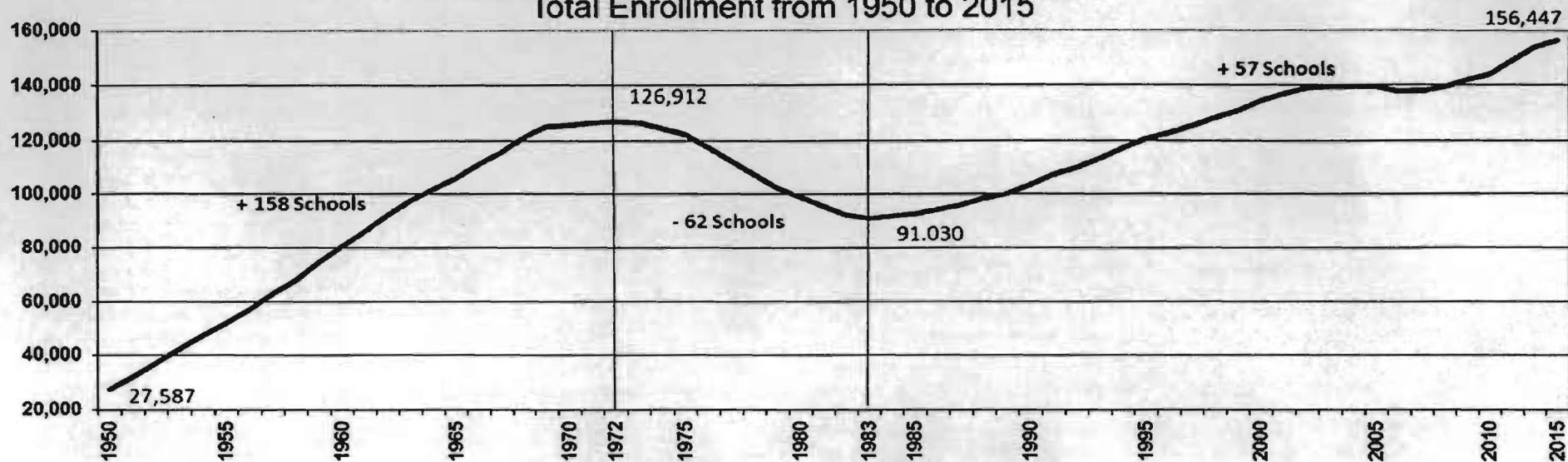
Montgomery County Council Education Committee

Briefing on Montgomery County Public Schools Demographic Trends

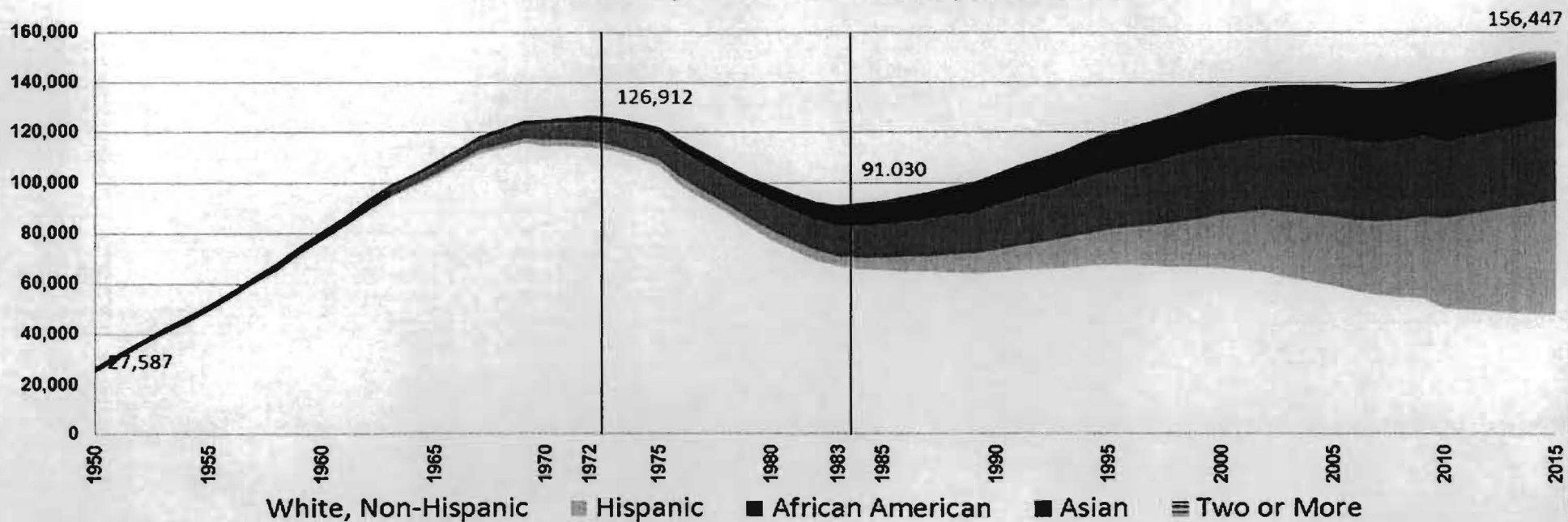
**Mr. Bruce Crispell, director
MCPS Division of Long-range Planning
February 22, 2016**



Montgomery County Public Schools
Total Enrollment from 1950 to 2015



Montgomery County Public Schools
Total Enrollment by Race/ Ethnic Group, 1950 to 2015





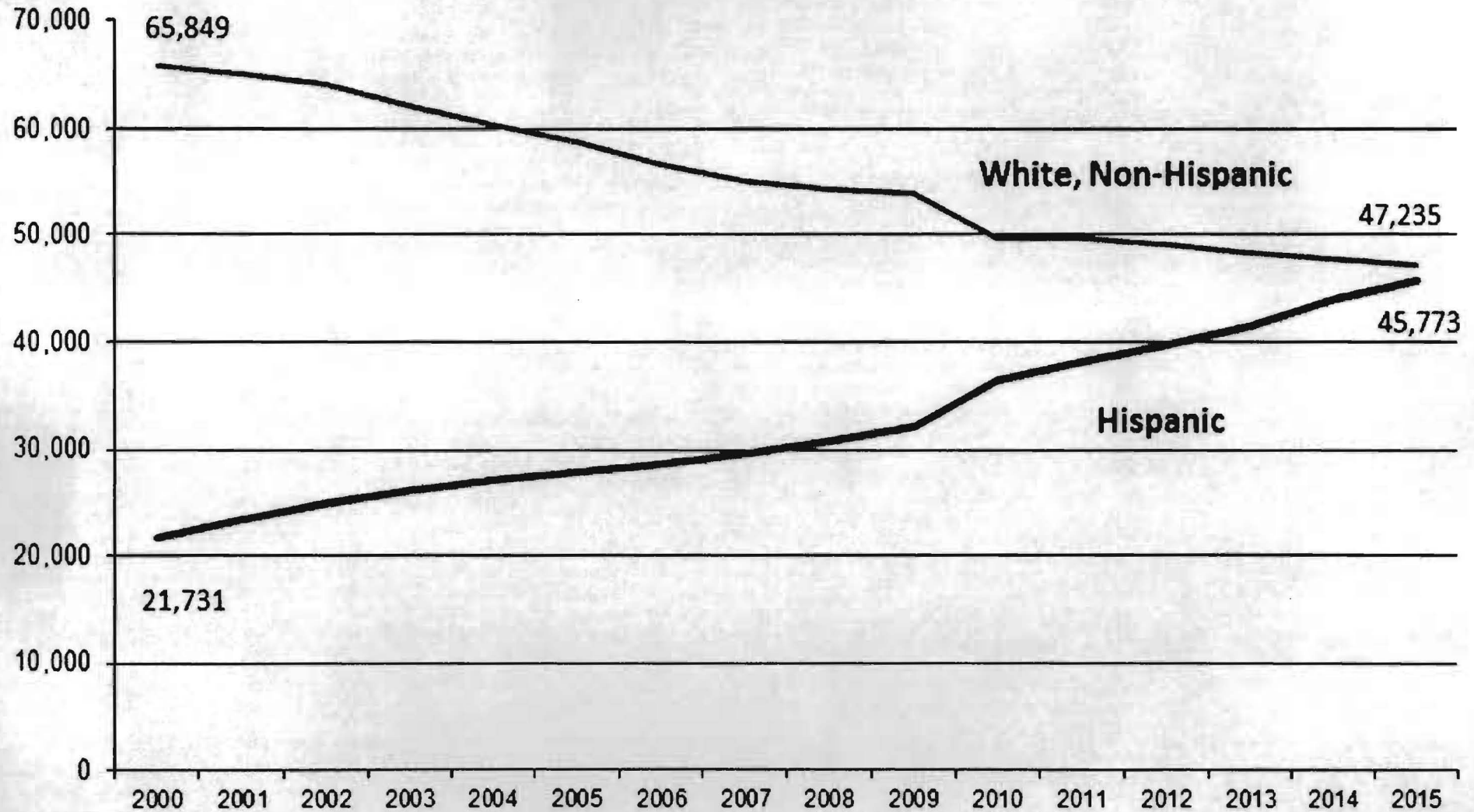
Student Diversity



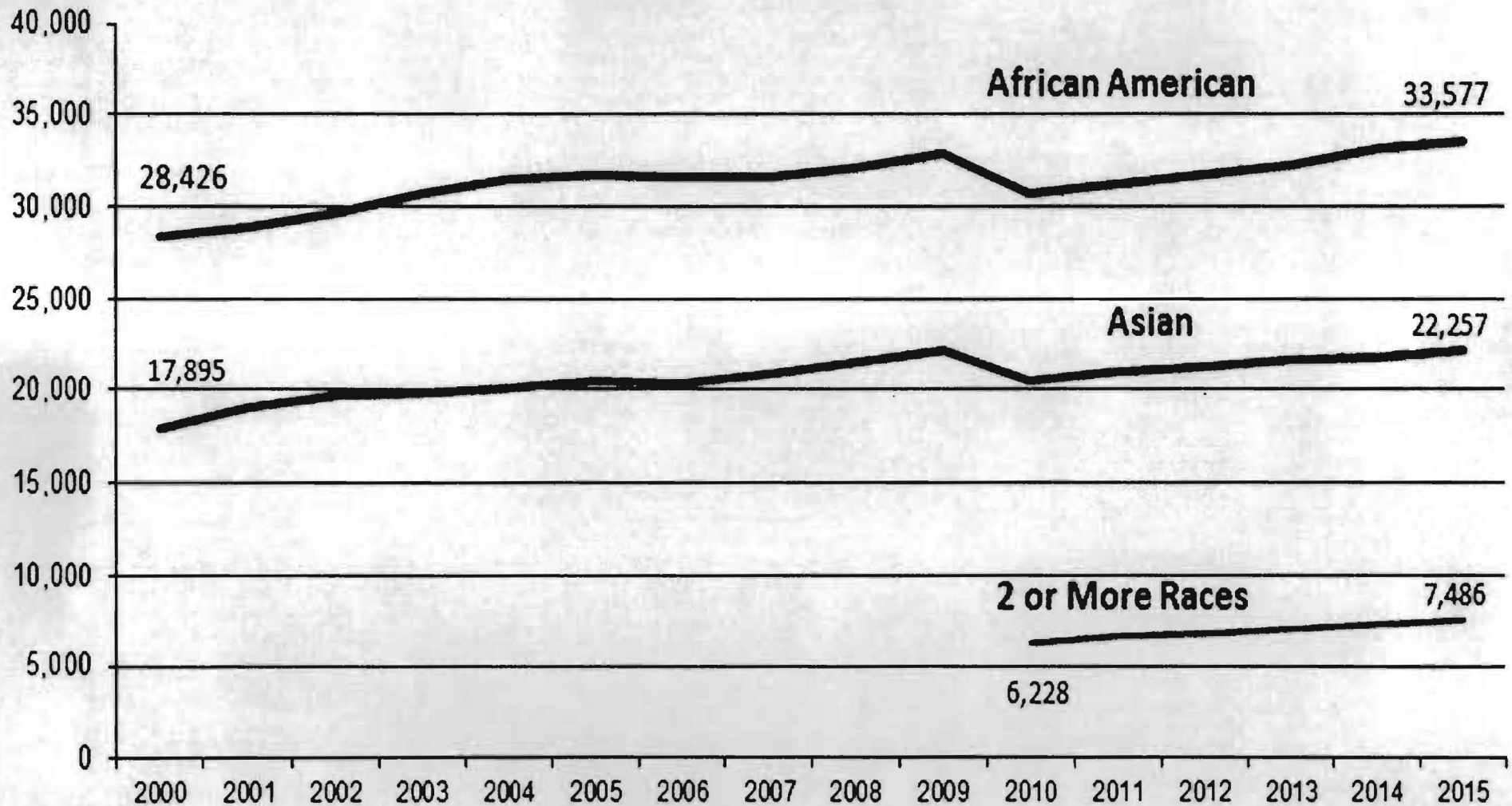
MONTGOMERY COUNTY PUBLIC SCHOOLS Rockville, Maryland



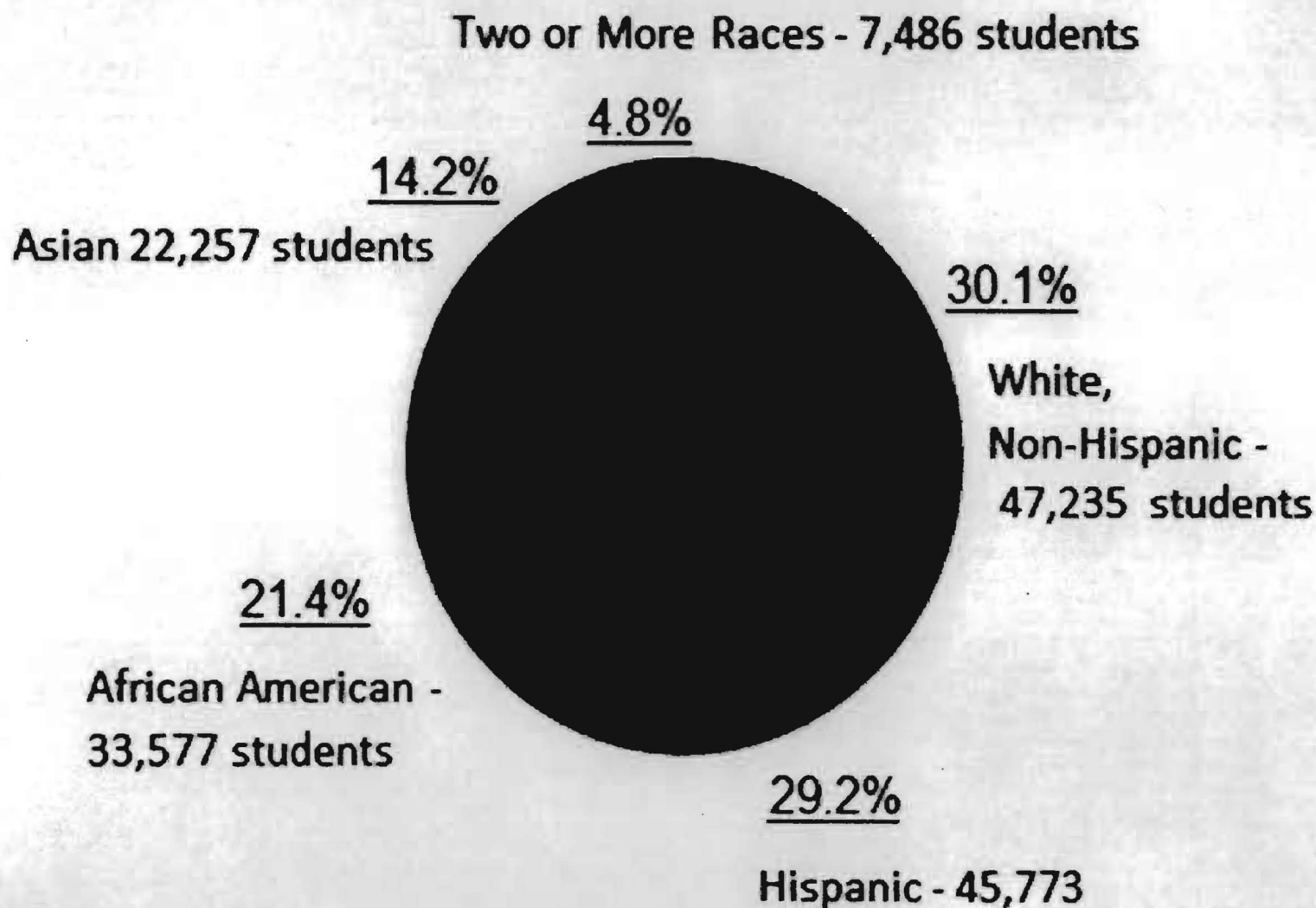
White, Non-Hispanic and Hispanic Enrollment Trends, 2000 to 2015



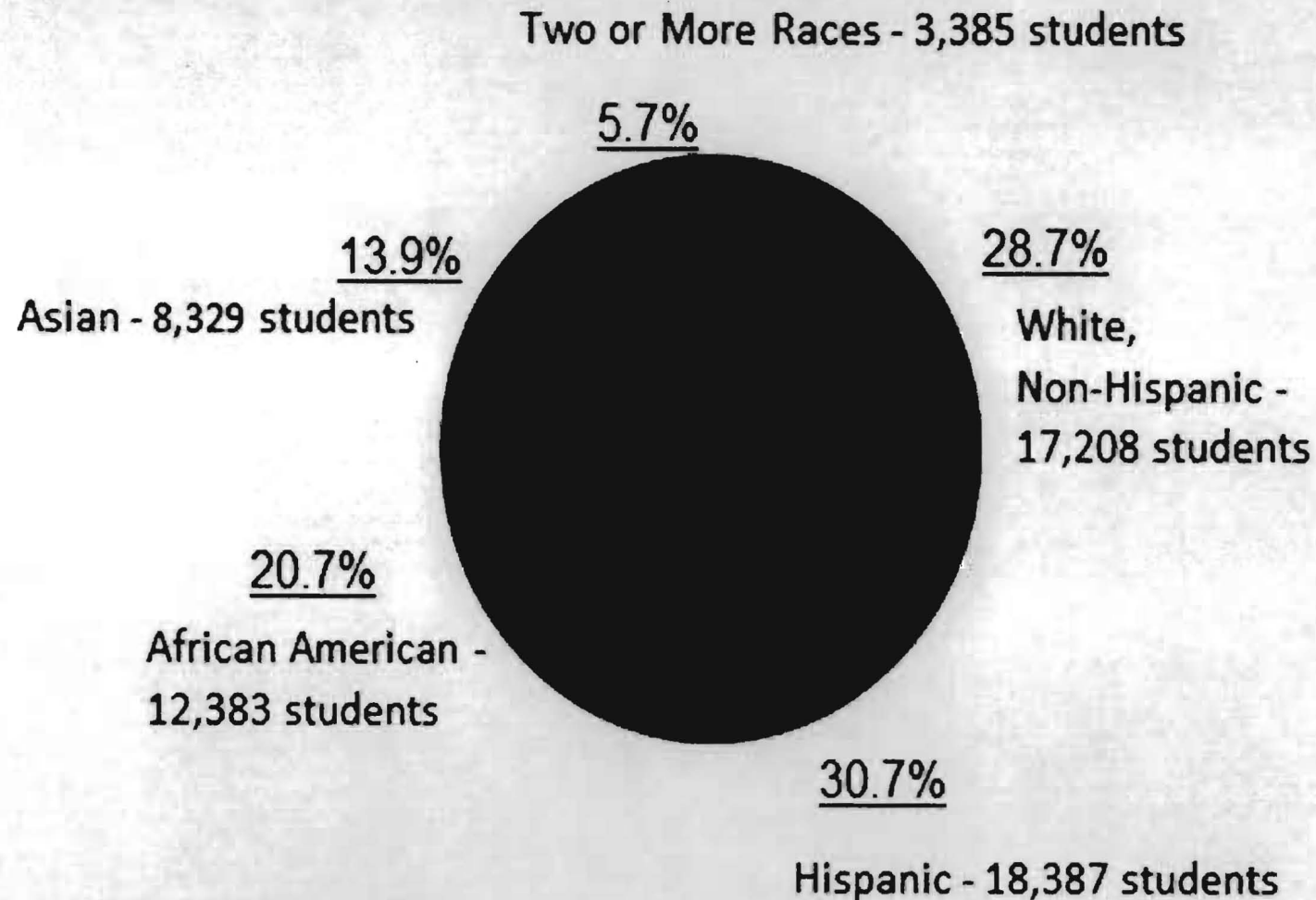
African American, Asian & Two or More Races Enrollment Trends, 2000 to 2015



MCPS Percent Race/Ethnic Composition, 2015-16

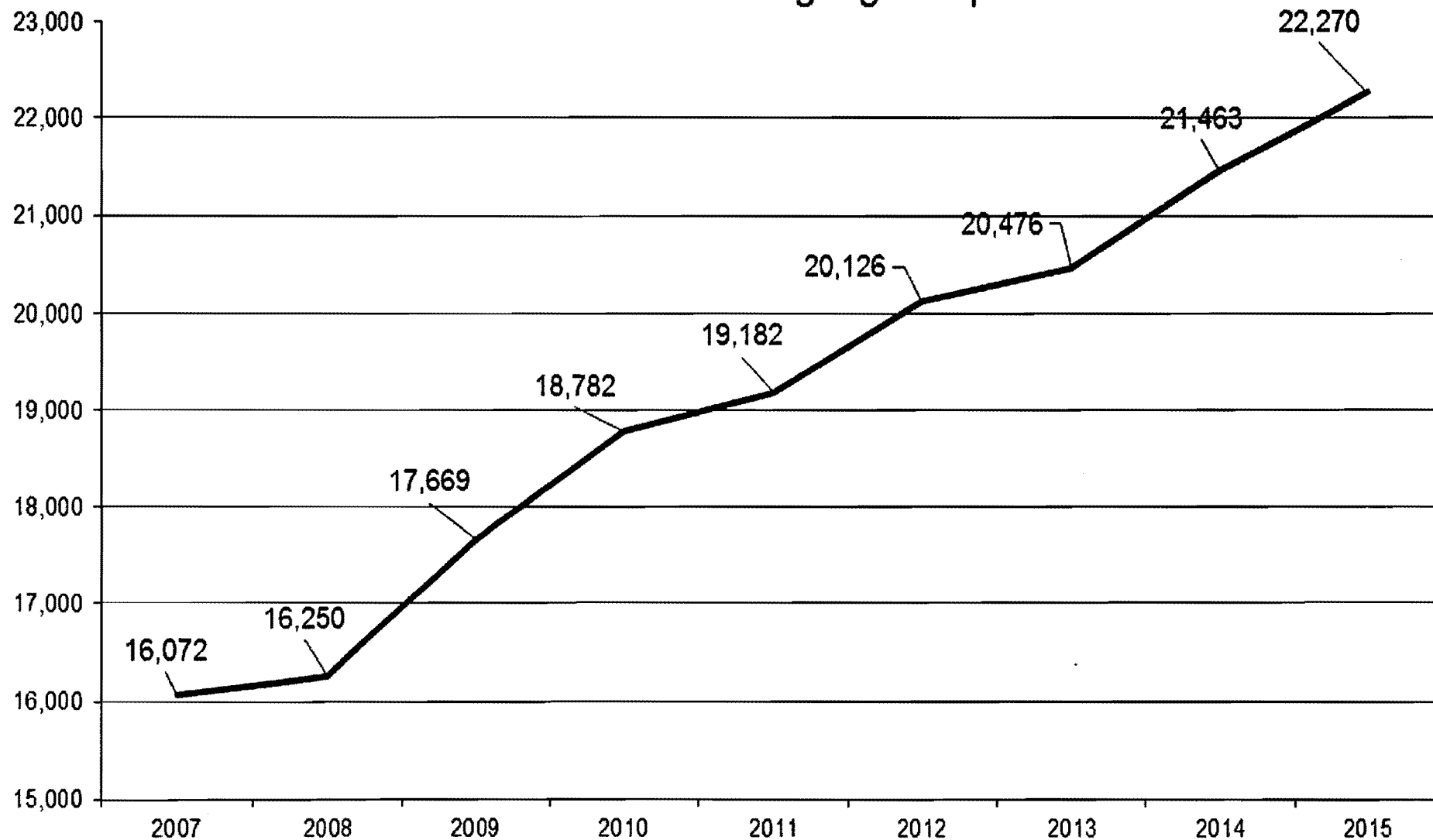


**Kindergarten - Grade 4
Percent Race/Ethnic Composition, 2015-16**



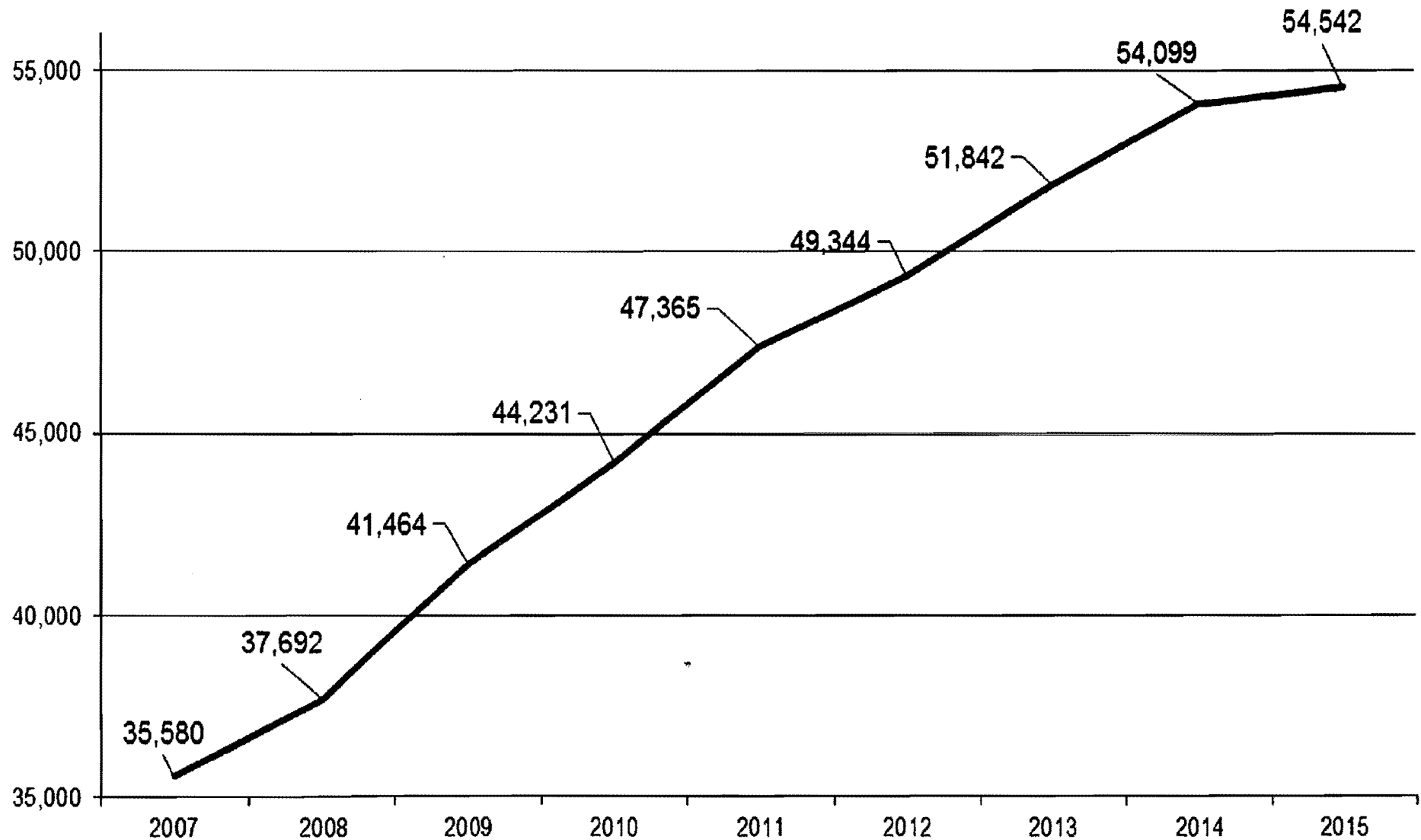
MCPS ESOL Enrollment Trends 2007 to 2015

158 Countries and 127 languages represented

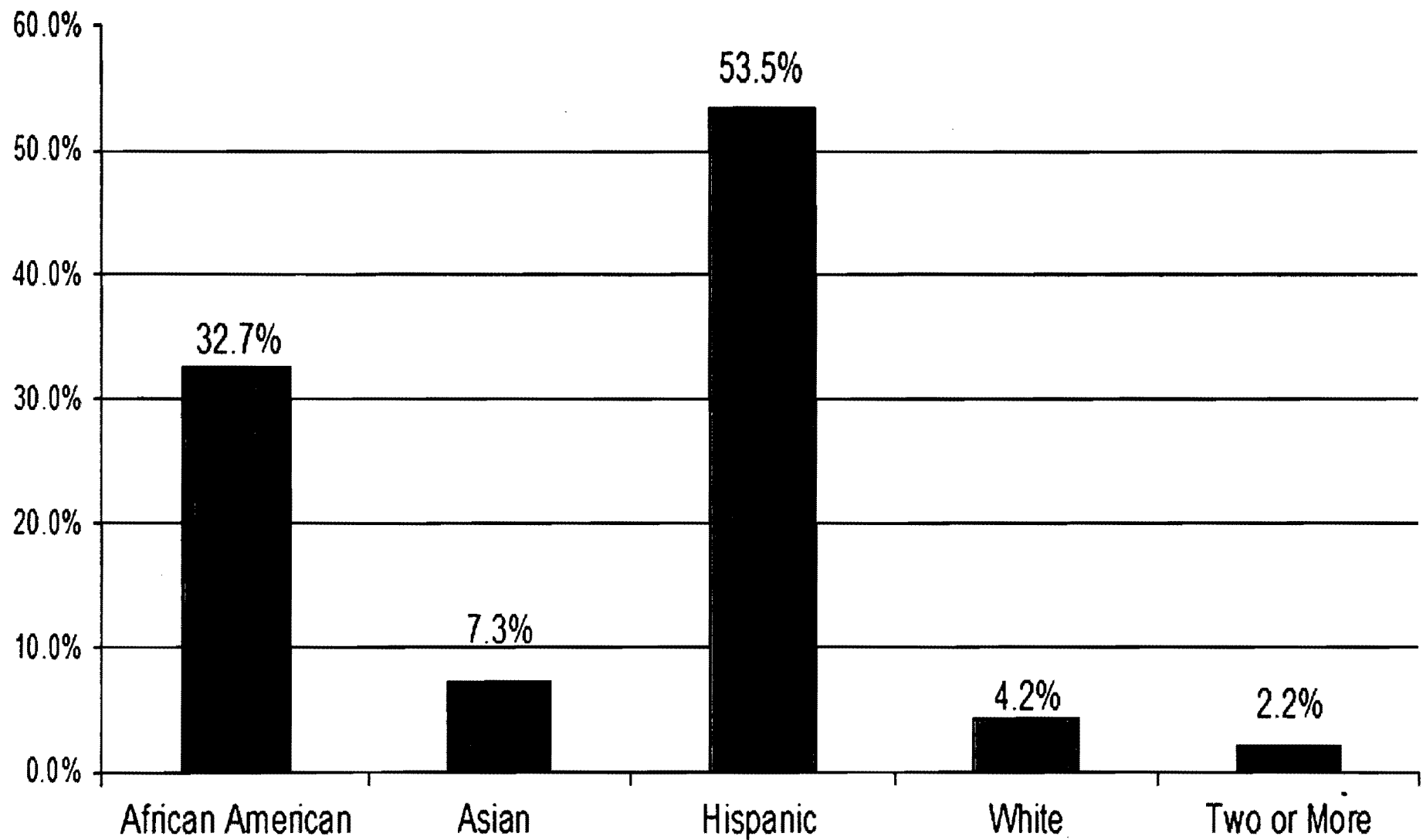


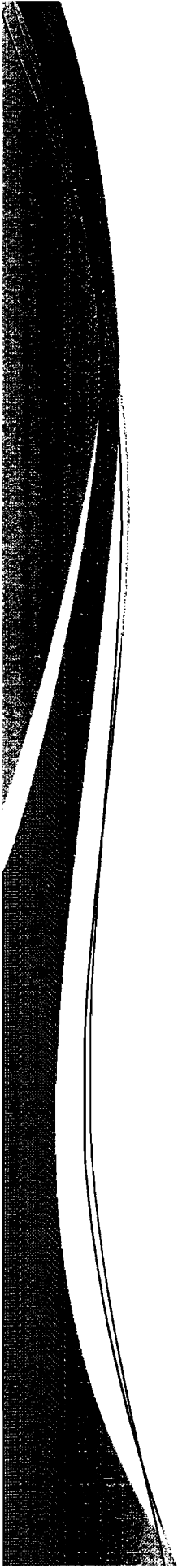
Free and Reduced-price Meals System (FARMS) Enrollment Trends 2007 to 2015

83% of Students in Free Portion of Program in 2015



FARMS Enrollment by Race/Ethnic Group: 2015–2016



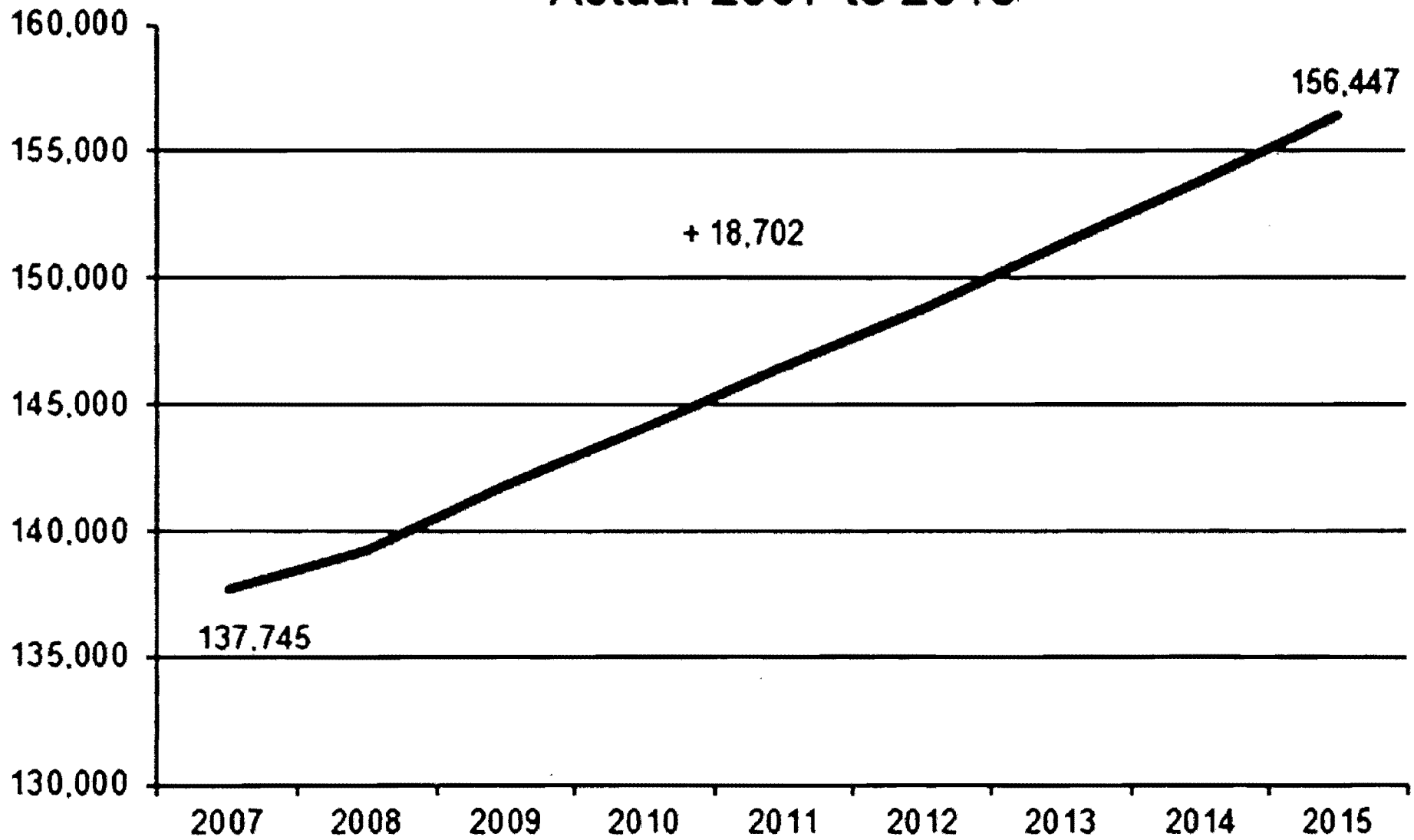


Enrollment Growth

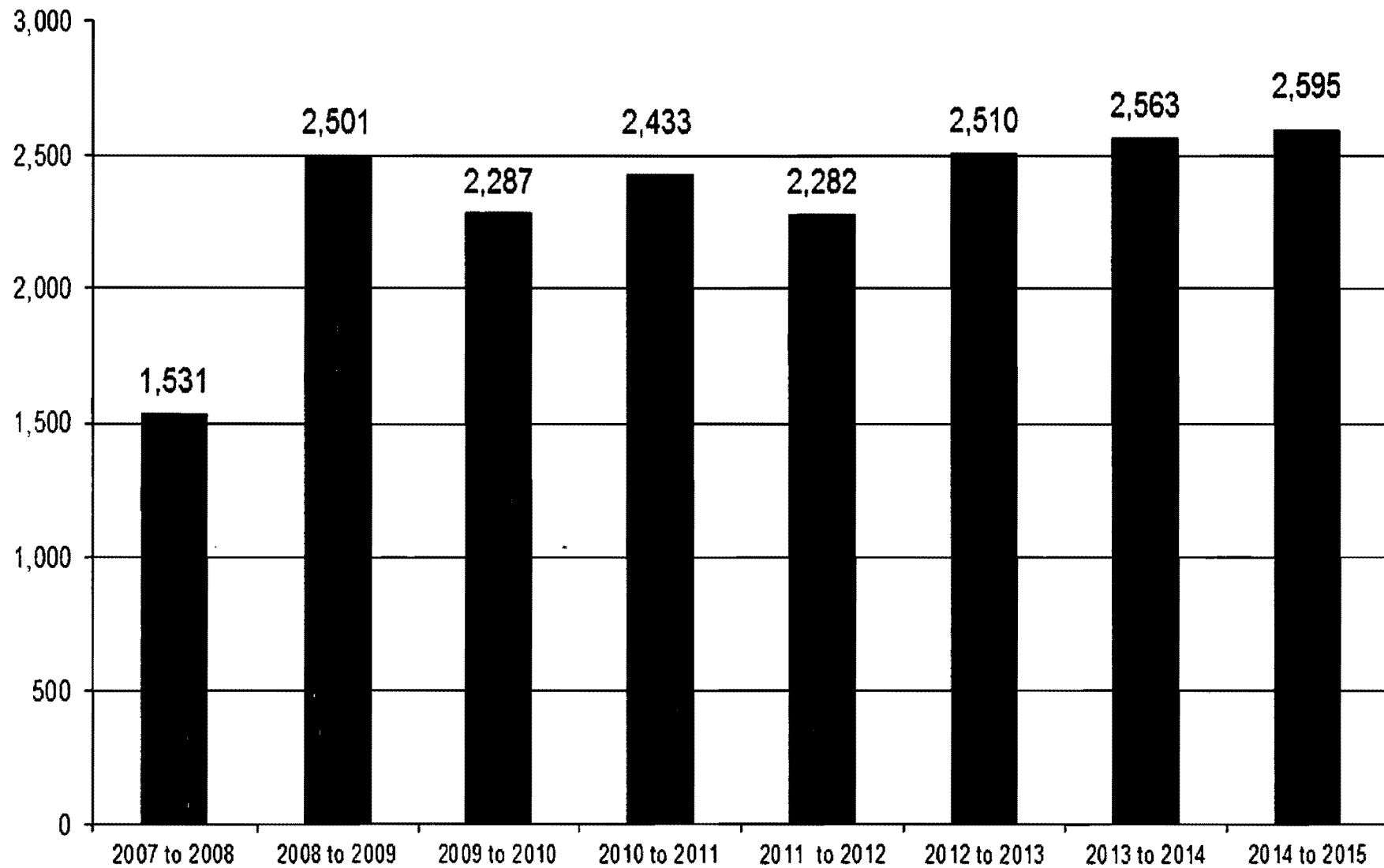
MONTGOMERY COUNTY PUBLIC SCHOOLS Rockville, Maryland



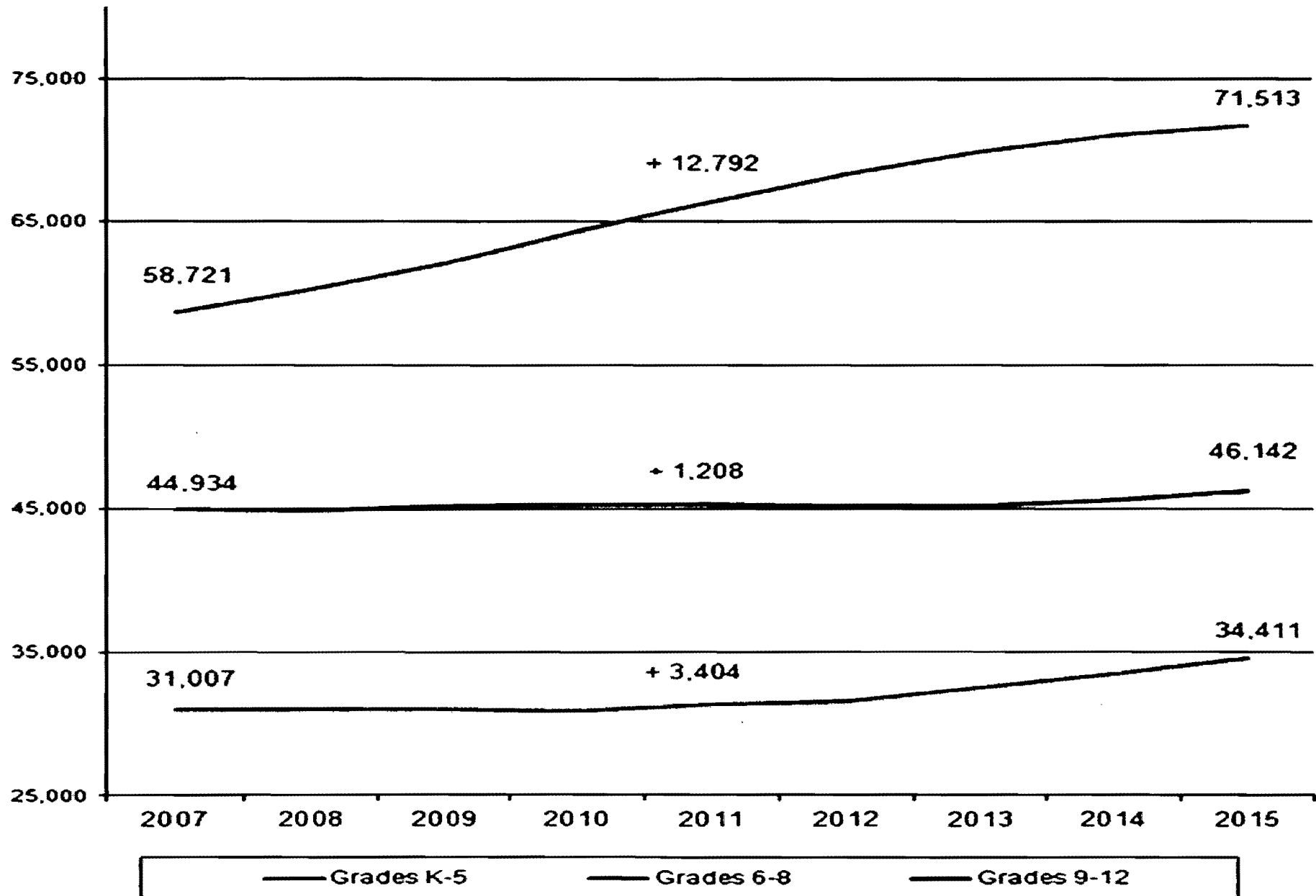
MCPS Total Enrollment: Actual 2007 to 2015



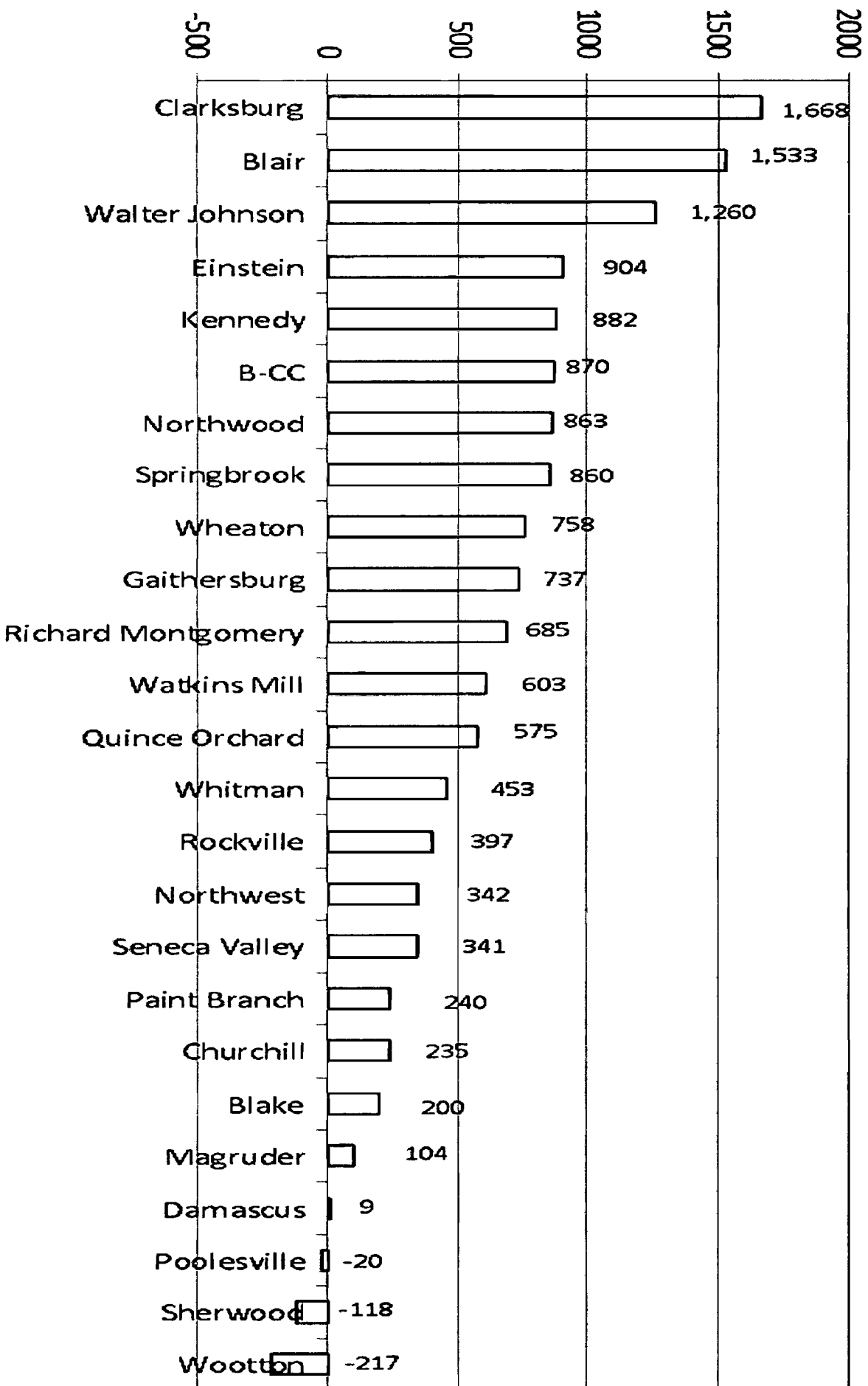
Annual Change in Total MCPS Enrollment: 2007 to 2015



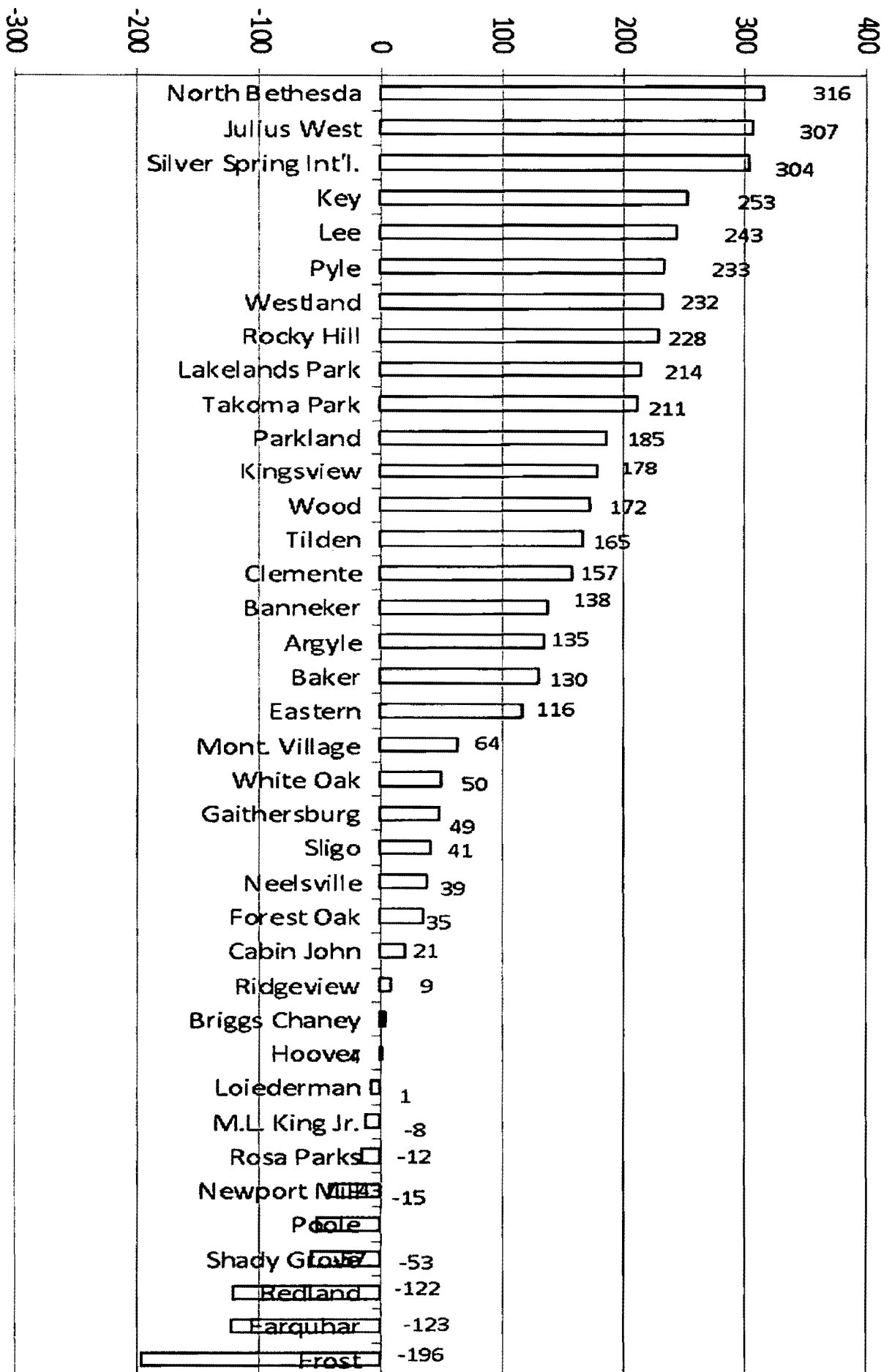
MCPS Enrollment by Grade Level: Actual 2007 to 2015



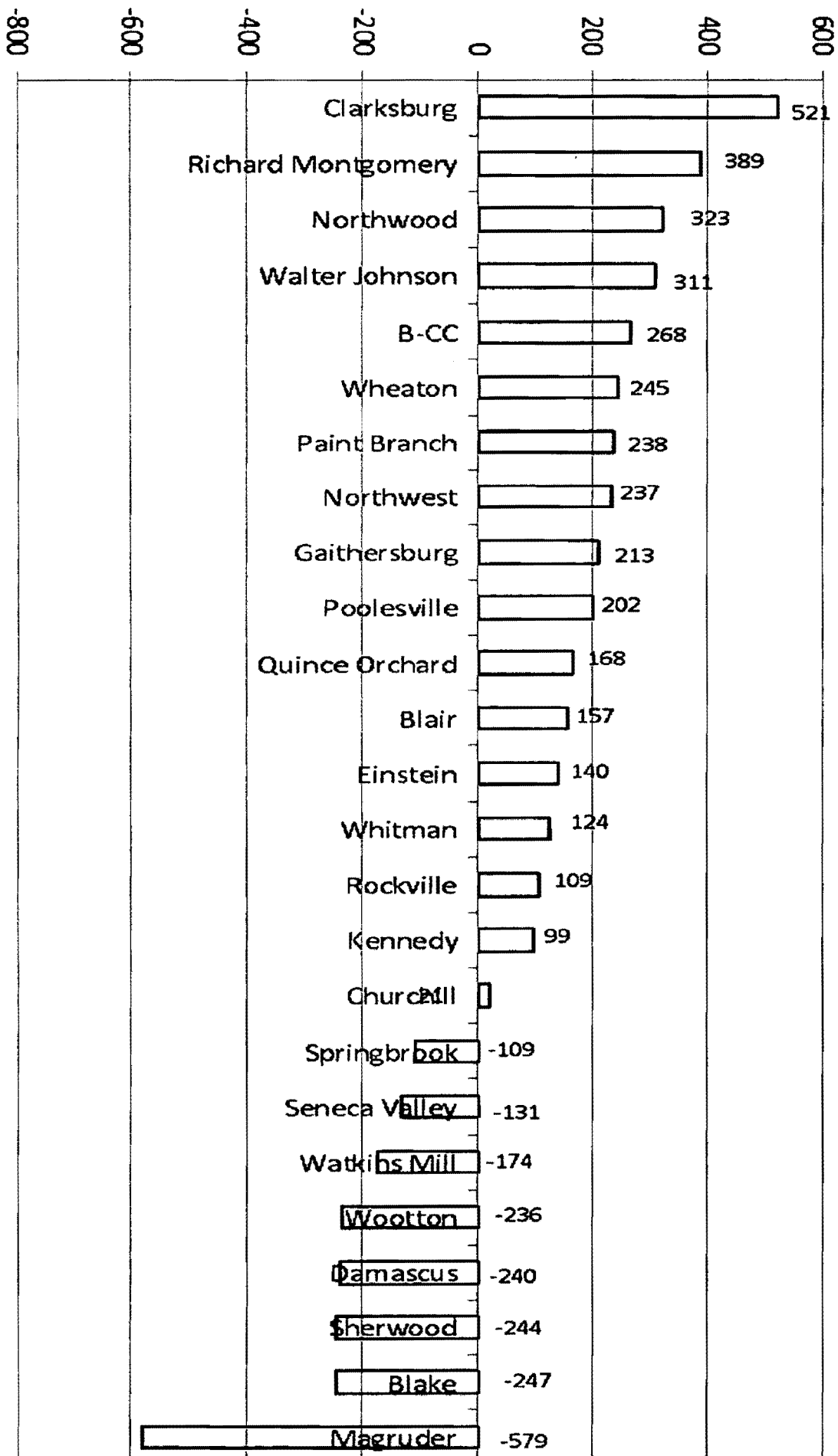
Elementary School Enrollment Change by Cluster From 2007 to 2015



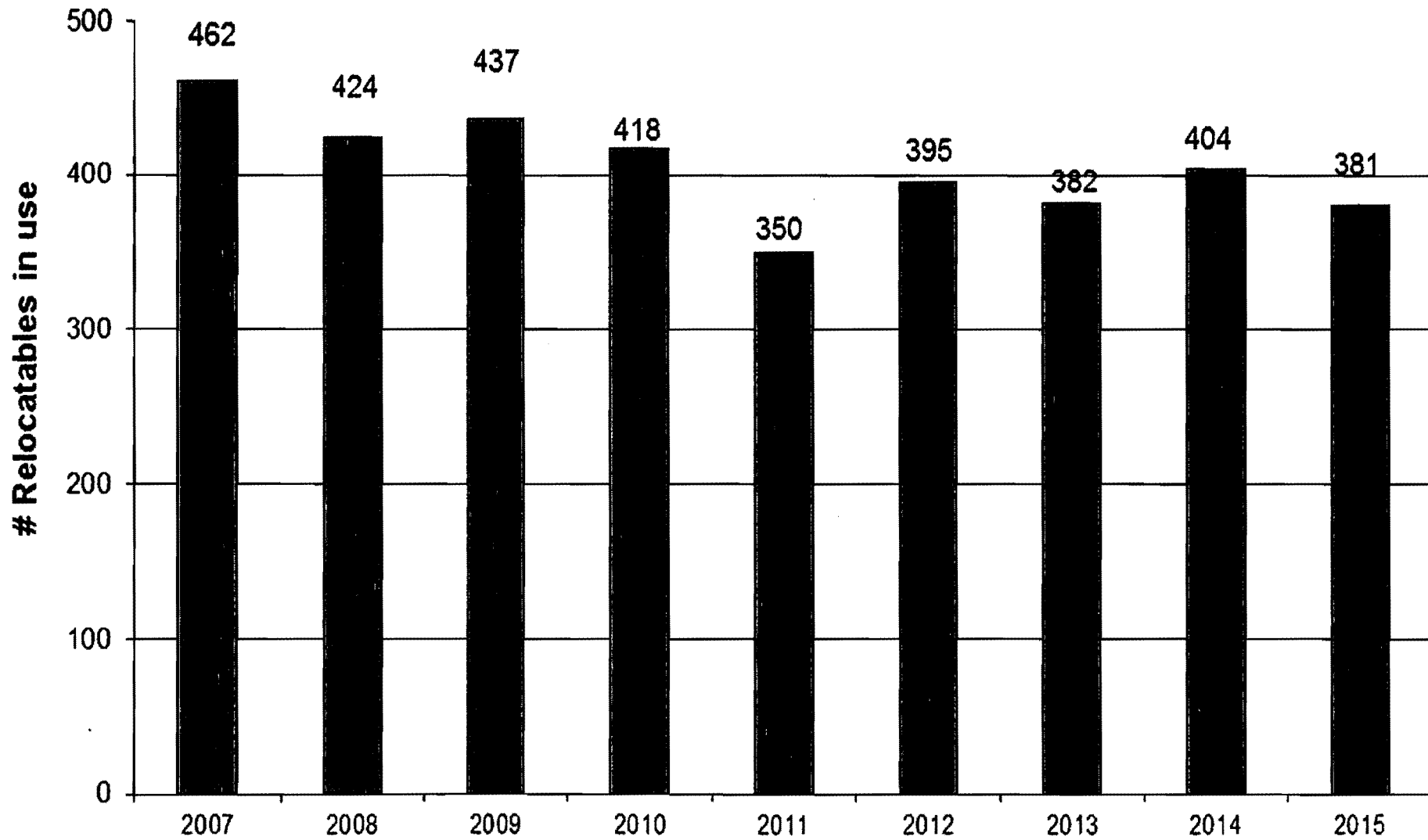
Middle School Enrollment Change From 2007 to 2015



High School Enrollment Change From 2007 to 2015

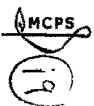


Number of Relocatables at Schools, for Capacity Purposes 2007 to 2015





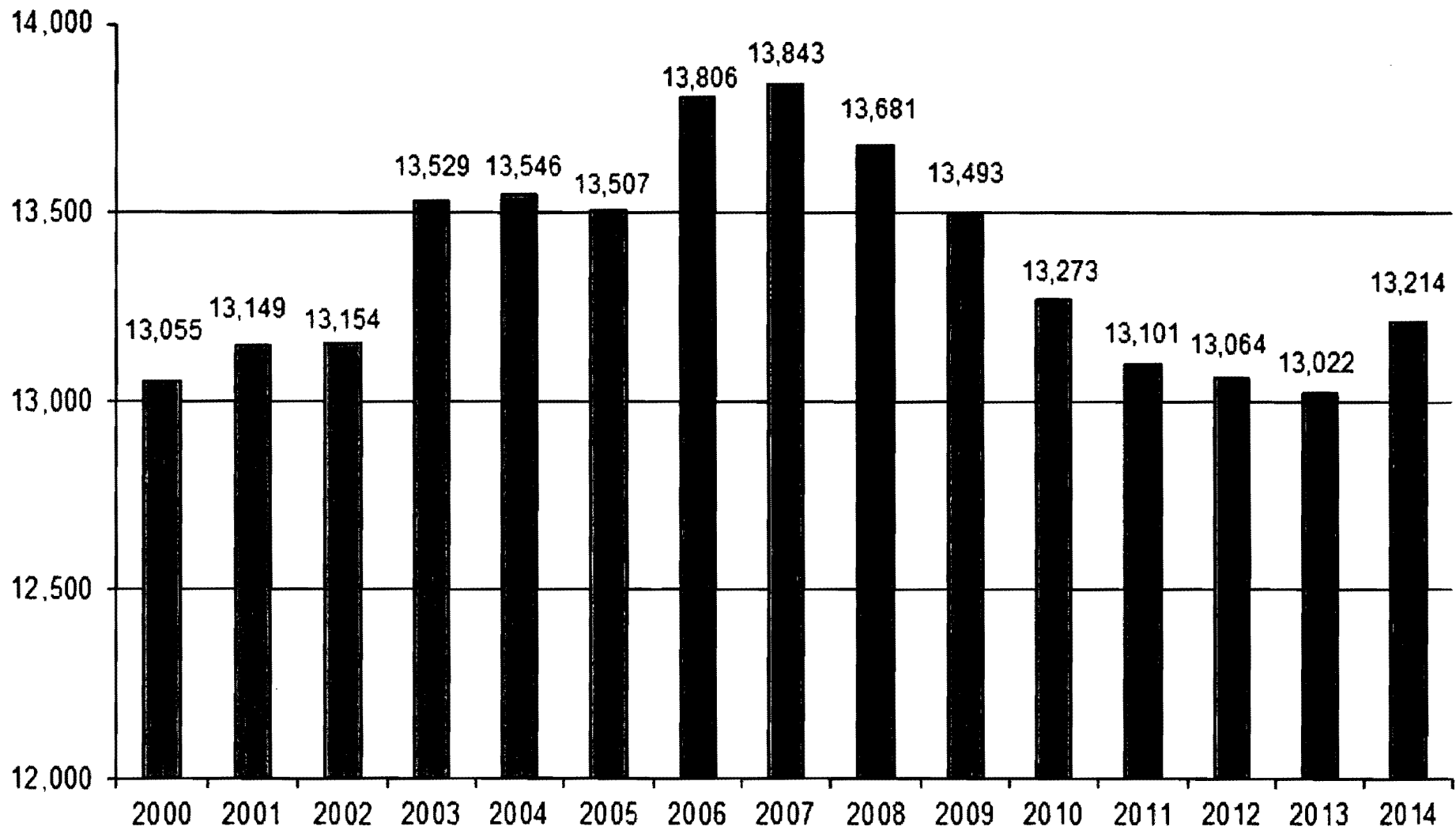
Enrollment Forecast



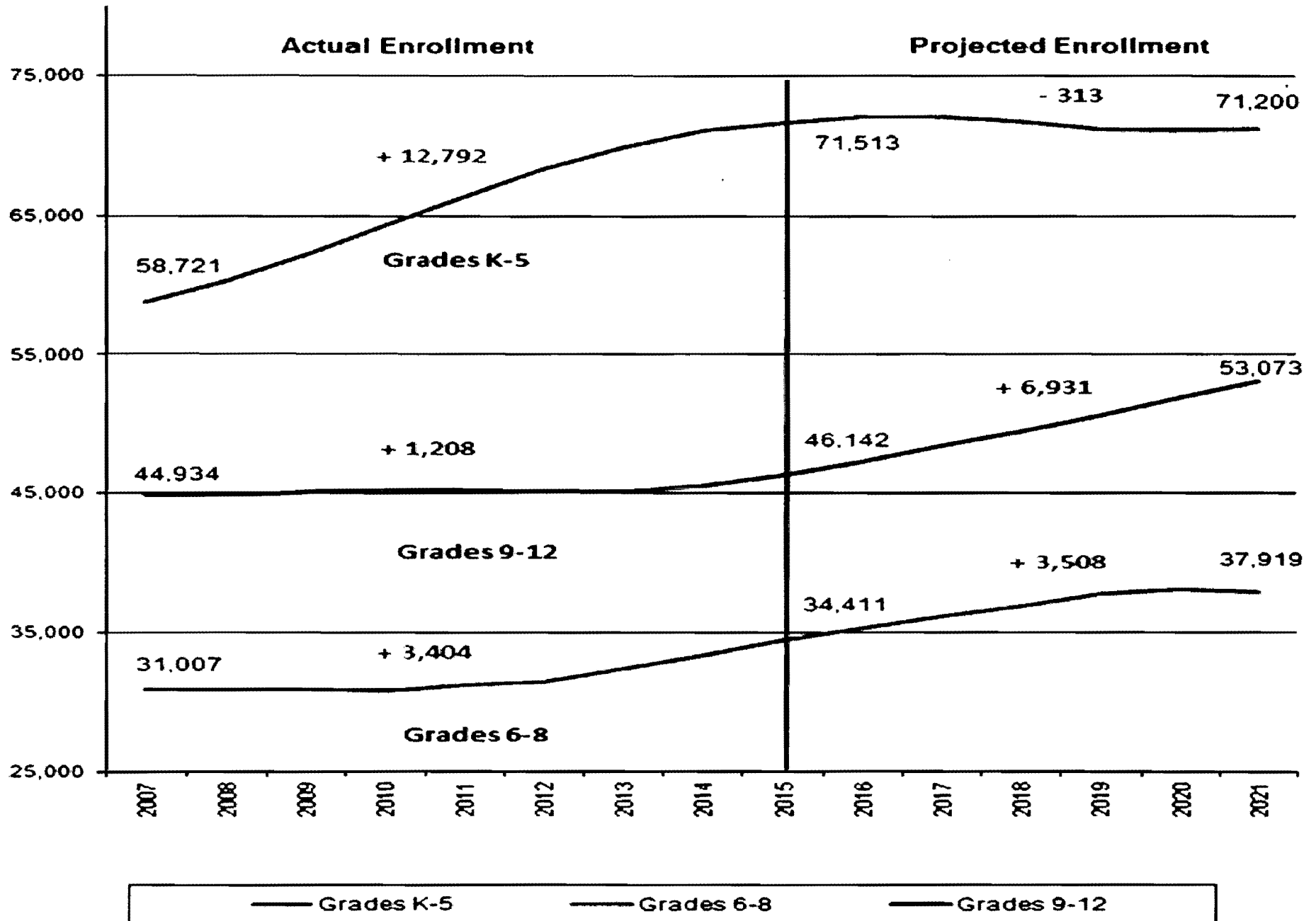
MONTGOMERY COUNTY PUBLIC SCHOOLS Rockville, Maryland



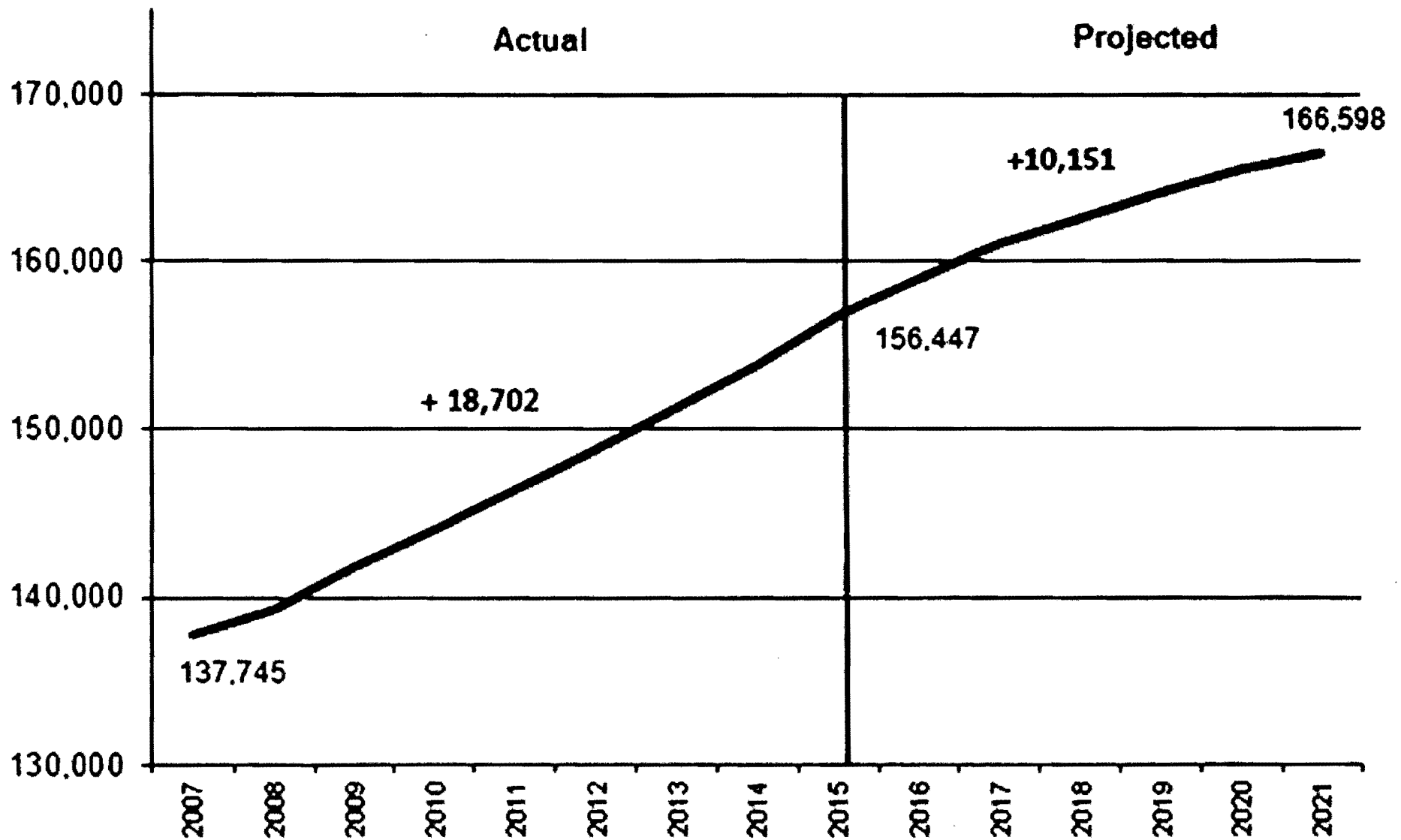
Montgomery County Resident Births, 2000 to 2014




MCPS Enrollment by Grade Level: Actual 2007 to 2015 and Projected 2016 to 2021



MCPS Total Enrollment: Actual 2007 to 2015 and Projected 2016 to 2021





FY 2017–2022 CIP

Additional Capacity by 2021–2022

Elementary Schools:

- 3 new elementary schools = 2,082 seats
- 14 addition projects = 2,665 seats
- 6 revitalization/expansion projects = 1,225 seats

TOTAL Capacity Added = 5,972 seats

Middle Schools:

- 2 new middle schools = 1,895 seats
- 5 addition projects = 2,005 seats
- 2 revitalization/expansion projects = 107 seats

TOTAL Capacity Added = 4,007 seats

High Schools:

- 2 addition projects = 1,231 seats
- 2 revitalization/expansion projects = 1,039 seats

TOTAL Capacity Added = 2,270 seats

GRAND TOTAL CAPACITY ADDED = 12,249 SEATS



Subdivision Staging Policy

Results of School Test for FY 2017 (Preliminary Pending County Council Action on CIP)

Reflects BOE Requested FY 2017 Capital Budget and Amendments to FY 2017-2022 Capital Improvements Program (CIP)

Updated February 19, 2016, Effective July 1, 2016

School Test Level	Description	Cluster Outcomes by Level		
		Elementary Inadequate	Middle Inadequate	High Inadequate
<u>Clusters over 105% utilization</u> School facility payment required in inadequate clusters to proceed.	5-year test Effective July 1, 2016 Test year 2021-22	Northwood (116%) Quince Orchard (113.2%)	Gaithersburg (107.5%) Rockville (116.2%) Wheaton (110.7%)	Blair (116.3%) Churchill (113.5%) Einstein (116.9%) Gaithersburg (107.6%) Walter Johnson (113.9%) Kennedy (112.5%) Richard Montgomery (112.2%) Northwood (114.8%) Paint Branch (111%) Quince Orchard (110.4%)
<u>Clusters over 120% utilization</u> Moratorium required in clusters that are inadequate.	5-year test Effective July 1, 2016 Test year 2021-22			

Capacities in clusters include the following placeholder capital projects:



Gaithersburg Cluster elementary school capacity includes 740 capacity for a solution to space deficits in the cluster.

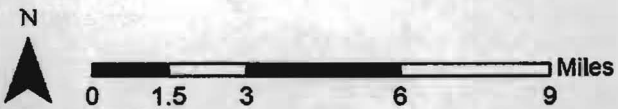
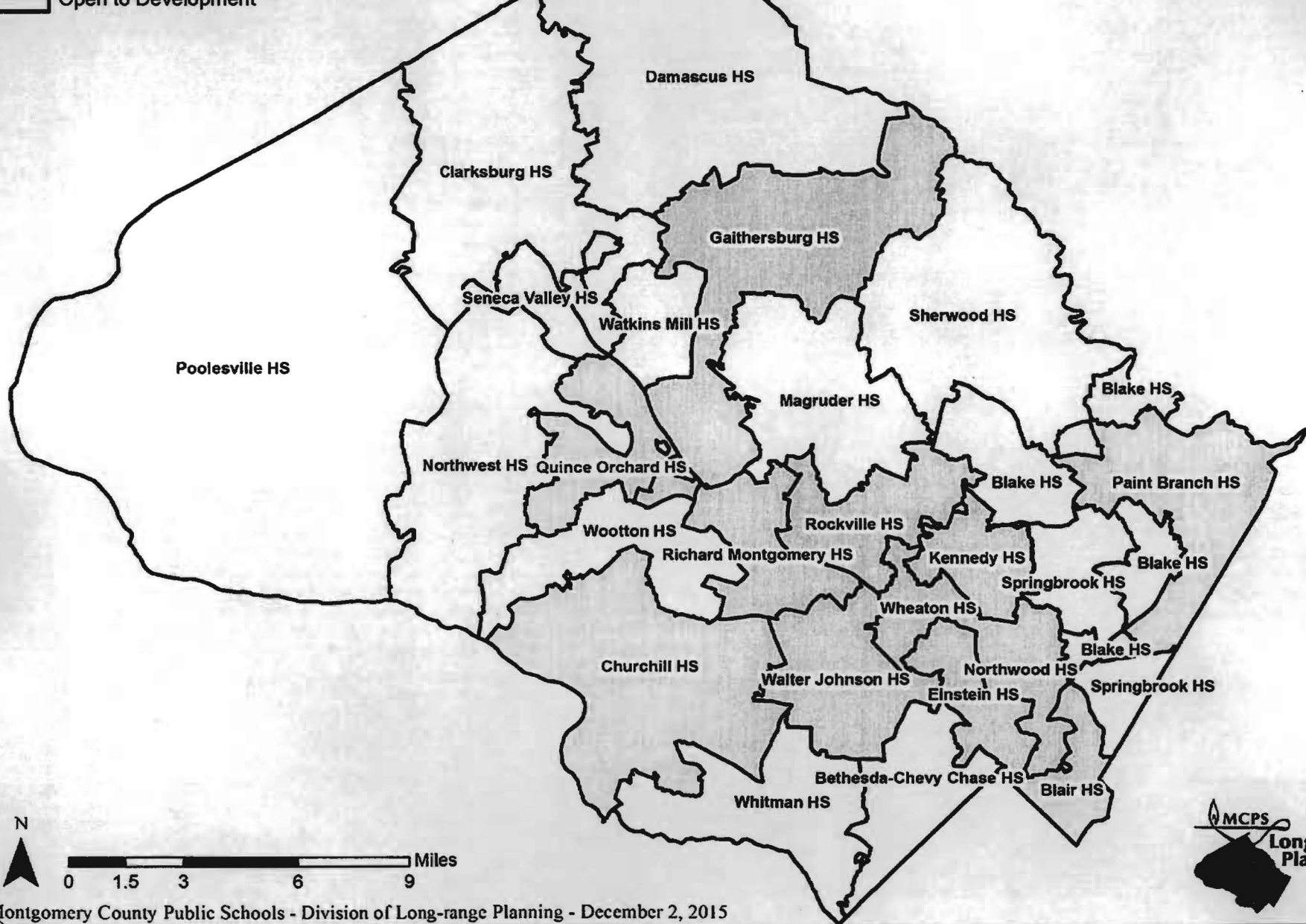
Six high school classrooms in the Einstein Cluster.

Eight high school classrooms in the Walter Johnson Cluster.

Ten high school classrooms in the Northwood Cluster.

School Test Results, FY 2017

-  School Facility Payment Required (Utilization > 105%)
-  Open to Development



Discussion

Subdivision Staging Policy

Results of School Test for FY 2016

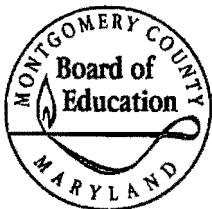
Reflects County Council Adopted FY 2016 Capital Budget and Amendments to the FY 2015–2020 Capital Improvements Program (CIP)
Effective July 1, 2015

School Test Level	Description	Cluster Outcomes by Level		
		Elementary Inadequate	Middle Inadequate	High Inadequate
<u>Clusters over 105% utilization</u> School facility payment required in inadequate clusters to proceed.	5-year test Effective July 1, 2015 Test year 2020-21	Clarksburg (113.8%) Gaithersburg (109.4%) Northwood (105.5%) Quince Orchard (115.3%)	Blair (117.1%) Damascus (109.3%) Gaithersburg (106.0%) Kennedy (115.6%) <u>Northwood (119.6%)</u> Rockville (109.6%) Wheaton (114.2%) Whitman (111.9%)	Blair (110.0%) Churchill (106.4%) Clarksburg (113.8%) Einstein (113.7%) <u>Walter Johnson (119.8%)</u> Kennedy (107.7%) Richard Montgomery (110.8%) Northwest (113.3%) Northwood (112.6%) Paint Branch (106.1%) Quince Orchard (108.7%) Wheaton (108.8%) Whitman (114.0%)
<u>Clusters over 120% utilization **</u> Moratorium required in clusters that are inadequate.	5-year test Effective July 1, 2015 Test year 2020-21			

Capacities in clusters include the following placeholder capital projects:

- Ten elementary school classrooms in the Gaithersburg Cluster.
- Four middle school classrooms in the Wheaton Cluster.
- Six high school classrooms in the Einstein Cluster.
- Ten high school classrooms in the Northwood Cluster

In addition to placeholder capacity projects, the Clarksburg Cluster high school capacity includes eight classrooms associated with the Seneca Valley HS revitalization/expansion that will be utilized through boundary changes between Clarksburg and Seneca Valley high schools in the future.



MONTGOMERY COUNTY BOARD OF EDUCATION

850 Hungerford Drive ♦ Room 123 ♦ Rockville, Maryland 20850

December 1, 2015



The Honorable Isiah Leggett
Montgomery County Executive
Executive Office Building
101 Monroe Street, 2nd Floor
Rockville, Maryland 20850

The Honorable George Leventhal, President
and Members of the Montgomery County Council
Stella B. Werner Council Office Building
100 Maryland Avenue, 6th Floor
Rockville, Maryland 20850

Dear Mr. Leggett, Mr. Leventhal, and Members of the Montgomery County Council:

At its November 16, 2015, meeting, the Board of Education approved the Requested Fiscal Year (FY) 2017 Capital Budget and the FY 2017–2022 Capital Improvements Program (CIP) for Montgomery County Public Schools (MCPS). Enclosed is a copy of the Board of Education resolution requesting a FY 2017 Capital Budget appropriation of \$271,087,000 and a FY 2017–2022 CIP totaling \$1,728,202,000 (Action 3.1). The Board of Education is requesting \$149,958,000 from the state as its share of the FY 2017 Capital Budget. Fiscal Year 2017 is the first year of the biennial CIP review process. In accordance with the Montgomery County charter, all CIP projects are considered in off-numbered fiscal years; therefore, this requested CIP will receive a full review by the county executive and the County Council.

The Board of Education is committed to working with Montgomery County elected officials to address the many facility needs of our school system; however, we also must provide our students with the best possible learning environment. The Board of Education believes as representatives of our staff, students, and parent community, it is our responsibility to request a CIP that reflects the essential funding to meet our needs but also is mindful of the fiscal limitations of Montgomery County. This requested CIP accomplishes both of these goals.

Enrollment

For the 2015–2016 school year, MCPS is experiencing its eighth straight year of significant enrollment growth. Official September 30, 2015, enrollment is 156,674 students for a one-year increase of more than 2,800 students. Since the 2007–2008 school year, enrollment has increased by 18,929 students with most of the increase at the elementary school level. Since 2007, approximately 14,000 more seats have been added to increase school capacities through new school openings and expansion of existing schools; however, the school system continues to be significantly behind in meeting our elementary school space needs.

The large cohort of today's elementary school students has started to enter middle and high school, and many of these buildings quickly will become overutilized during the next six years. By the 2021–2022 school year, middle school enrollment is projected to increase by 3,431 students and high school enrollment by 6,800 students. These increases would fill three middle schools and three high schools. The following chart displays the official September 30 enrollment for this year and the previous five years, as well as the enrollment projection for the 2021–2022 school year:

FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2022
144,064	146,497	148,779	151,289	153,852	156,674	166,598

Total MCPS enrollment by the 2021–2022 school year is projected to increase by 9,924 students to reach 166,598 students. Adding the projected 9,924 student increase to the 18,929 student increase since 2007 results in a total increase of 28,853 students during the 14-year period from 2007 to 2021. This is remarkable enrollment growth for our school system to accommodate. If we do not address the overutilization at the elementary school level now, space deficits will be compounded by the anticipated overutilization at the secondary level in the near future.

Requested CIP

As indicated in the *Superintendent's Recommended FY 2017 Capital Budget and the FY 2017–2022 Capital Improvements Program*, the recommended CIP addresses our growing need for classroom space through additions and new schools, focuses on our aging facilities through the revitalization/expansion program, and meets the needs of our infrastructure through many countywide systemic projects. Therefore, the *Board of Education's Requested FY 2017 Capital Budget and the FY 2017–2022 Capital Improvements Program* totals \$1.728 billion, an increase of \$185 million more than the approved CIP. The request includes \$345,630,000 in expenditures for FY 2017, an increase of \$80.7 million more than the previously approved FY 2017 expenditures.

In order to formulate his recommendations for the CIP, the interim superintendent of schools weighed the county's continuous struggle with revenue shortfalls with the current conditions of many of our schools that are significantly overutilized and beyond their life cycle. The interim superintendent's recommendation included capital projects that are necessary to provide the learning environment for successful teaching and learning. While the Board of Education understands the fiscal constraints of the county, it supports the recommendations by the interim superintendent of schools to address the many challenges facing our school facilities.

As previously stated, MCPS continues to experience dramatic enrollment growth every year and while the growth is still at the elementary school level, the impact at the secondary level is now evident. Therefore, the Board of Education supports the interim superintendent's recommended CIP to maintain the completion dates of five elementary school addition projects and accelerate,

by one year, two addition projects—Ashburton and S. Christa McAuliffe elementary schools—two elementary schools with the highest space deficits of the approved addition projects. The Board of Education also supports the recommendation to maintain the completion date of one new elementary school. As the interim superintendent indicated in his recommendation, the Northwest Cluster elementary school deficit has decreased from previous years and, based on a deficit evaluation of schools with proposed addition projects and the funding challenges, the interim superintendent recommended a one-year delay for the Northwest Elementary School #8. The Board of Education, however, included a two-year delay for this new elementary school in order to provide an opportunity to monitor the cluster deficit, help to align budget resources while maintaining the funding in the CIP, and explore possible alternatives to address the overutilization at the elementary school level in the Northwest Cluster. The Board of Education also reduced the Northwest Elementary School #8 expenditures by \$15 million and will reevaluate capacity and funding needs for the elementary schools in this cluster in the next CIP.

With the continued growth in our school system, the interim superintendent of schools, in his recommended CIP, used a 125-seat threshold instead of a 150-seat threshold to determine which elementary schools would be recommended to move forward for addition projects. The Board of Education agrees that the 150-seat threshold, which was used in the previous CIP, would not adequately address our space deficits seen throughout the county. The change in the threshold resulted in five more elementary school addition projects to be included in the recommended CIP. Therefore, the Board of Education's request includes funding for six new addition projects at the following elementary schools: East Silver Spring Elementary School to relieve the overutilization at Rolling Terrace Elementary School, Greencastle Elementary School, Montgomery Knolls and Pine Crest elementary schools to relieve the overutilization at Forest Knolls Elementary School, Piney Branch and Woodlin elementary schools. The Board of Education also supports the interim superintendent's recommendation for the funding of one new elementary school in the Clarksburg Cluster.

It has been the practice that for an elementary school to be considered for an addition, the enrollment needs to exceed capacity by four classrooms or more, a minimum of 92 seats. As indicated above, due to fiscal constraints, the previous CIP increased that threshold to 150 seats, and the Board of Education's requested CIP now sets this threshold at 125 seats. Unfortunately, based on the threshold as well as the rerating of class-size reduction schools for Grades K–2, five previously approved elementary schools—Brookhaven, Glen Haven, Highland, Kemp Mill, and Sargent Shriver elementary schools—were not included in the requested CIP. Additionally, four elementary schools with completed feasibility studies also were not included in the Board of Education's request—Highland View, Lake Seneca, Thurgood Marshall, and Meadow Hall elementary schools. The Board of Education knows these school communities are disappointed; however, enrollment will continue to be monitored and if the threshold is met in a future CIP, a capital project could be requested.

With respect to the secondary level, the Board of Education supports the interim superintendent's recommendation to maintain the completion dates of one middle school and one high school addition project, as well as one new middle school previously included in the approved CIP. The Board also supports the recommendation to include funding for four new addition projects at Col. E. Brooke Lee, Thomas W. Pyle, and Takoma Park middle schools and Walt Whitman High School.

Our revitalization/expansion program addresses both aging facilities as well as overutilization, and therefore includes a large share of our CIP funding. Over the past several CIP cycles, due to fiscal constraints, the schedule for these vital projects has been delayed—but not any longer. The Board of Education supports the interim superintendent's recommendation to maintain the approved revitalization/expansion schedule at the elementary and secondary levels. However, as a result of the Montgomery County Council Office of Legislative Oversight's study on the revitalization/expansion program, the Facilities Assessment and Criteria Testing (FACT) Review Committee will reconvene and the interim superintendent of schools will forward a recommendation to the Board of Education on the FACT methodology and how the queue of schools will be addressed in the future.

Currently, all of the high schools in the Downcounty Consortium are overutilized. The Wheaton High School revitalization/expansion project is almost complete, and the new building includes a 24-classroom shell that could be built-out to provide additional capacity for the high schools in the consortium. With construction still on-site, it would be more cost effective to build the shell out now rather than in the future. Therefore, the Board of Education Requested FY 2017–2022 CIP includes an additional \$11 million to build out the 24 classrooms at Wheaton High School to address the space deficits at the high school level in the consortium.

The Board of Education believes it is vital that MCPS has the necessary funding to address our aging infrastructure, and, therefore, supports the interim superintendent's recommendation to address systemwide needs by increasing our systemic projects such as: Improved Safe Access to Schools, Roof Replacement, and Fire Safety Code Upgrades. One countywide project—Heating, Ventilation, and Air Conditioning (HVAC) Replacement—is increased substantially to address the \$160 million backlog of HVAC projects to provide upgrades and/or replacements of HVAC systems that are beyond their expected service life. In addition to the interim superintendent's funding increases for our countywide systemic projects, the Board of Education's Requested FY 2017–2022 CIP includes an additional \$10 million in FY 2018 for the HVAC Replacement project; an additional \$2 million in FY 2017 and \$2 million in FY 2018 for the Planned Life-cycle Asset Replacement Project; and an additional \$2 million in FY 2017 for the Building Modification and Program Improvements project.

The Board of Education also supports the recommendation to include one new countywide project—Artificial Turf Program—to fund artificial turf installations at all 19 remaining high

schools in the county. Fields are constantly used by our schools and the community, and the artificial turf will provide safe playing conditions for all participants in sporting activities. It is the hope that this program can be accomplished through a public/private partnership to ensure all of our high schools have artificial turf in the future.

State Aid

Funding for the CIP continues to be complex. Local funding sources such as County General Obligation bonds, current revenue, the county Recordation Tax, and the School Impact Tax are utilized in conjunction with state aid to fund the CIP. For FY 2017, the revised state aid request is \$149,958,000. This figure is based on current eligibility of projects approved by the County Council in May 2015. Of the \$149.96 million request, \$15.12 million is for 1 project that received partial state funding in a prior year; \$95.54 million is for 9 projects that received planning approval from the state and now require construction funding; \$7.69 million is for systemic roofing and HVAC projects; and the remaining \$31.61 million is for 11 projects that require construction funding or state planning approval in addition to construction funding. The Board of Education, the interim superintendent of schools, and Montgomery County officials must continue to work together to make a compelling case to our state leaders to increase state construction funding and provide Montgomery County with its fair share of the statewide allocation for our capital projects.

Non-Capital Items

On October 15, 2015, the following five supplements to the *Superintendent's Recommended FY 2017 Capital Budget and FY 2017–2022 Capital Improvements Program* were released. The Board of Education supports the recommendations included in each of the supplements, which are available on the website at the following link:

<http://www.montgomeryschoolsmd.org/departments/planning/cipmaster.aspx>

- Supplement A—*Interim Superintendent's Recommendation for Clarksburg/Damascus Middle School Boundaries*
- Supplement B—*Interim Superintendent's Recommendation to Address Elementary School Overutilization in the Lower Portion of the Downcounty Consortium*
- Supplement C—*Interim Superintendent's Recommendation for a Tri-cluster Roundtable Discussion Group for the Gaithersburg, Col. Zadok Magruder, and Thomas S. Wootton Clusters*
- Supplement D—*Interim Superintendent's Recommendation for a Walter Johnson Cluster Roundtable Discussion Group*
- Supplement E—*Interim Superintendent's Recommendation to Address the Rachel Carson Elementary School Overutilization*

The Honorable Isiah Leggett
The Honorable George Leventhal
and Members of the County Council

6

December 1, 2015

With respect to Supplement B, the *Board of Education's Requested FY 2017-2022 Capital Improvements Program* approved \$100,000 in the Facility Planning project to conduct a feasibility study to explore an elementary school reopening on the former Parkside Elementary School site or another nearby former elementary school site to relieve the overutilization at the elementary schools referenced in Supplement B.

Finally, the Board of Education supports the interim superintendent's recommendation to include one new boundary study to determine the service area for the new Bethesda-Chevy Chase Middle School #2. The new middle school will address overutilization of Westland Middle School, as well as Grade 6 students who will be reassigned from Chevy Chase and North Chevy Chase elementary schools. The boundary study is scheduled to begin January 2016 with Board of Education action in November 2016.

The Board of Education looks forward to meeting with you to discuss its request. If additional information is needed, please do not hesitate to contact me.

Sincerely,



Patricia B. O'Neill
President

PBO:ak

Enclosure

Copy to:

Members of the Board of Education

Mr. Bowers

Dr. Navarro

Dr. Statham

Dr. Zuckerman

Mr. Ikheloa

Office of the Superintendent of Schools
MONTGOMERY COUNTY PUBLIC SCHOOLS
Rockville, Maryland

November 16, 2015

AMENDED

MEMORANDUM

To: Members of the Board of Education

From: Larry A. Bowers, Interim Superintendent of Schools

Subject: Adoption of the Superintendent's Recommended FY 2017 Capital Budget and the FY 2017–2022 Capital Improvements Program

WHEREAS, In accordance with §5-306 of the Annotated Code of Maryland, the interim superintendent of schools released the *Superintendent's Recommended FY 2017 Capital Budget and the FY 2017–2022 Capital Improvements Program* on October 28, 2015; and

WHEREAS, In accordance with the Montgomery County charter and the biennial Capital Improvements Process, in odd-numbered fiscal years, such as Fiscal Year 2017, all capital improvement projects will be reviewed and considered by the county executive and the County Council; and

WHEREAS, While Montgomery County continues to struggle with revenue shortfalls, many of our schools are significantly overutilized and beyond their life cycles, and capital projects are necessary to provide the learning environment that our students and staff deserve; and

WHEREAS, The *Superintendent's Recommended FY 2017 Capital Budget and FY 2017–2022 Capital Improvements Program* addresses the growing need for classroom space through additions and new schools, focuses on aging facilities through the revitalization/expansion program, and meets the infrastructure needs through the many countywide systemic projects; and

WHEREAS, In the FY 2015 Capital Budget and FY 2015–2020 Capital Improvements Program, a threshold at the elementary school level of 150 seats exceeding capacity was used to determine which additions would move forward; and

WHEREAS, The continued growth in our school system warrants a change in that threshold, and therefore, a 125-seat threshold instead of a 150-seat threshold was used and resulted in five more elementary school addition projects included in the recommendation; and

WHEREAS, The revitalization/expansion program addresses both our aging facilities as well as overutilization, and therefore includes a large share of our Capital Improvements Program funding; and

WHEREAS, During the past several Capital Improvement Program cycles, due to fiscal constraints, the revitalization/expansion project schedules have been delayed at both the elementary and secondary levels; and

WHEREAS, Schools at the end of their useful life cycles do not effectively meet our programmatic needs and are inefficient and not in compliance with current codes and standards; and

WHEREAS, The revitalization/expansion projects can no longer be delayed; and

WHEREAS, It is vital that Montgomery County Public Schools has the necessary funding to address our aging infrastructure through our countywide systemic projects; and

WHEREAS, The *Superintendent's Recommended FY 2017 Capital Budget and the FY 2017–2022 Capital Improvements Program* has sought to balance the fiscal challenges facing the county with the need to address our overcrowded schools and aging facilities and infrastructure; and

WHEREAS, The *Superintendent's Recommended FY 2017 Capital Budget and the FY 2017–2022 Capital Improvements Program* includes funding for many individual capital projects and countywide systemic projects; and

WHEREAS, The Board of Education conducted a work session on November 5, 2015, to review the interim superintendent of schools' recommendations, which include during the next six-year planning period:

- The completion dates for seven elementary school additions and one middle school and one high school addition project;
- The completion dates for two new elementary schools and one new middle school;
- The completion dates for 14 elementary school and seven secondary school revitalization/expansion projects;
- Funding for six new elementary school addition projects and one new elementary school;
- Funding for three middle school addition projects and one high school addition project;
- Funding for many countywide systemic projects at the current levels;
- Additional funding for three countywide systemic projects;
- Funding for one new countywide systemic project—Artificial Turf Program; and

WHEREAS, Based on the revised threshold and the rerating of class-size reduction schools for Grades K–2, five previously approved elementary schools were not included in the recommendation; however, enrollment will continue to be monitored, and if the threshold is met in a future Capital Improvements Program, a capital project could be recommended; and

WHEREAS, The interim superintendent of schools recommended one new boundary study to determine the service area for the new Bethesda-Chevy Chase Middle School #2; and

WHEREAS, The Board of Education conducted public hearings on November 9 and 12, 2015, on the interim superintendent of schools' recommendations for all capital and noncapital items for the *Superintendent's Recommended FY 2017 Capital Budget and the FY 2017–2022 Capital Improvements Program*; and

WHEREAS, On November 13, 2015, the superintendent of schools forwarded a memorandum to the Board of Education clarifying the recommendation of the Tri-cluster Roundtable Discussion Group to address the overutilization at the elementary school level in the Gaithersburg Cluster; and

WHEREAS, Based on that clarification, the superintendent of schools recommendation for the Gaithersburg Elementary School Cluster Solution project has been modified to include expenditures in FY 2017 to begin the planning by July 1, 2016; and

WHEREAS, The Board of Education, at its November 16, 2015 meeting, approved the following amendments to the *Superintendent's Recommended FY 2017 Capital Budget and the FY 2017–2022 Capital Improvements Program*:

- \$11 million for Wheaton High School to build out the 24 classroom shell that was constructed during the school's revitalization/expansion project;
- \$10 million in FY 2018 for the Heating, Ventilation, and Air-Condition Replacement project;
- \$2 million in FY 2017 and \$2 million in FY 2018 for the Planned Life-cycle Asset Replacement project;
- \$2 million in FY 2017 for the Building Modifications and Program Improvements project to address programmatic concerns at Silver Spring International Middle School;
- \$100,000 in the Facility Planning project to explore the reopening of a new elementary schools in the lower section of the Downcounty Consortium; and

WHEREAS, The Northwest cluster deficit has decreased from previous years and based on that deficit evaluation, the superintendent of schools recommended a one-year delay for the Northwest Elementary School #8 project; and

WHEREAS, The Board of Education, after further analysis, approved a two-year delay for the Northwest Elementary School #8 project in order to explore alternatives to the new school to address the overutilization at the elementary school level in this cluster; and

WHEREAS, The Board of Education also approved a \$15 million reduction in the expenditures for the Northwest Elementary School #8 project with funding to be evaluated in the next Capital Improvements Program; and

WHEREAS, The Board of Education approved that the planning funds previously appropriated for the Northwest Elementary School #8 project be used to conduct feasibility studies at elementary schools in the cluster that are overutilized to determine if additional capacity can be built; now therefore be it

Resolved, That the Board of Education approves a Fiscal Year 2017 Capital Budget appropriation request totaling \$271,087,000 and a Fiscal Year 2017–2022 Capital Improvements Program request totaling \$1.728 billion, as indicated in Attachment A; and be it further

Resolved, That the Board of Education approves the revised Fiscal Year 2017 State Capital Improvements Program request, as indicated in Attachment B, in the amount of \$149,958,000; and be it further

Resolved, That the Board of Education approves the individual capital and noncapital items included in the *Superintendent's Recommended FY 2017 Capital Budget and FY 2017–2022 Capital Improvements Program*; and be it further

Resolved, That a copy of this resolution be transmitted to the county executive and the County Council.

LAB:AMZ:JS:ak

Attachments

**Board of Education's Requested FY 2017 Capital Budget
and FY 2017-2022 Capital Improvements Program**

(figures in thousands)

Project	FY 2017 Approp.	Total	Thru FY 2015	Remaining FY 2015	Total Six-Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Individual School Projects:											
Ashburton ES Addition	1,205	13,944			13,944	603	7,003	5,314	1,024		
Lucy V. Bamsley ES Addition	11,495	13,224	462	347	12,415	6,391	5,041	983			
Bethesda-Chevy Chase HS Addition	35,245	39,647	1,123	842	37,682	15,821	18,952	2,909			
Bethesda-Chevy Chase MS #2	1,700	52,314	1,079	13181	38,054	32,674	5,380				
Brookhaven ES Addition (DCC Solution)	-481	192		192	0						
Burtonsville ES Addition	1,172	12,818			12,818	489	352	3,574	5,371	3,052	
Clarksburg Cluster ES (New) (Clarks, Village Site #2)	2,476	36,008			36,008	1,238	18,058	13,877	2,835		
Clarksburg/Damascus MS (New)		52,764	13940	30,246	8,578	8,578					
Diamond ES Addition	7,807	9,147	322	241	8,584	4,329	3,578	677			
East Silver Spring ES Addition (for Rolling Terrace)	320	3,514			3,514	160	96	1,448	1,578	232	
Albert Einstein Cluster HS Solution		2,334			2,334		89	556	994	695	
Blair Ewing Center Improvements		16,579	605	454	15,520		3,375	6,274	5,871		
Gaithersburg ES Cluster Solution	3,872	26,000			26,000	2,000	1,872	6,954	12,254	2,920	
Glen Haven ES Addition (DCC Solution)	-367	147		147	0						
Greencastle ES Addition	995	11,218			11,218	498	398	5,239	4,303	780	
Highland ES Addition (DCC Solution)	-713	285		285	0						
Walter Johnson Cluster HS Solution		3,111			3,111		118	741	1,325	927	
Kemp Mill ES Addition (DCC Solution)	-774	310		310	0						
Kensington-Parkwood ES Addition	11,205	12,679	399	299	11,981	6,293	4,756	932			
Col. E. Brooke Lee ES Addition	1,536	20,045			20,045	769	461	7,664	9,615	1,536	
S. Christa McAuliffe ES Addition	1,024	11,386			11,386	512	5,848	4,235	791		
Montgomery Knolls ES Addition (for Forest Knolls ES)	546	6,605			6,605	273	218	3,227	2,443	444	
North Bethesda MS Addition	18,931	21,593	676	507	20,410	10,702	6,168	1,540			
Northwest ES #8		19,450	1,192	894	17,364			4,660	7,532	5,172	
Northwood Cluster HS Solution		3,888			3,888		147	927	1,656	1,158	
Pine Crest ES Addition (for Forest Knolls ES)	703	8,623			8,623	362	211	3,492	3,942	626	
Piney Branch ES Addition		4,211			4,211		274	219	1,727	1,544	447
Thomas W. Pyle MS Addition	1,426	18,899			18,899	713	570	8,968	7,323	1,325	
Judith Resnik ES Addition	871	10,989			10,989	436	348	5,292	4,120	793	
Sargent Shriver ES Addition (DCC Solution)	-341	136		136	0						
Takoma Park MS Addition	1,954	25,186			25,186	977	782	12,220	9,403	1,804	
Julius West MS Addition		15,303	5,073	8,554	1,676	1,676					
Walt Whitman HS Addition	1,660	22,073			22,073	830	664	10,567	8,480	1,532	
Wood Acres ES Addition		8,606	2,869	4,822	915	915					
Woodlin ES Addition	1,166	15,297			15,297	583	350	5,728	7,437	1,199	
Countywide/Projects:											
ADA Compliance: MCPS	2,100	28,593	16,593	3,000	9,000	2,100	2,100	1,200	1,200	1,200	1,200
Artificial Turf Program	2,500				11,000	2,500	2,500	1,500	1,500	1,500	1,500
Asbestos Abatement	1,145	17,810	9,795	1,145	6,870	1,145	1,145	1,145	1,145	1,145	1,145
Building Modifications and Program Improvements	5,200	37,132	25,232	3,500	8,400	5,200	3,200				
Current Revitalizations/Expansions	17,842	1,576,859	729,661	120,654	726,544	121,794	110,970	123,905	161,691	139,022	69,162
Design and Construction Management	4,900	75,575	41,275	4,900	29,400	4,900	4,900	4,900	4,900	4,900	4,900
Energy Conservation: MCPS	2,057	33,864	19,465	2,057	12,342	2,057	2,057	2,057	2,057	2,057	2,057
Facility Planning: MCPS	635	11,767	8,307	550	2,910	635	535	360	460	460	460
Fire Safety Upgrades	5,000	25,483	10,215	2,000	13,268	5,000	5,000	817	817	817	817
Future Revitalizations/Expansions		32,330			32,330	0	0	1,612	4,022	10,444	16,252
HVAC (Mechanical Systems) Replacement	30,000	249,775	101,775	16,000	132,000	30,000	30,000	18,000	18,000	18,000	18,000
Improved (Safe) Access to Schools	2,000	14,828	9,628	1,200	4,000	2,000	2,000				
Indoor Air Quality Improvements	1,497	31,055	19,926	2,147	8,982	1,497	1,497	1,497	1,497	1,497	1,497
Planned Life-Cycle Asset Replacement (PLAR)	11,000	116,516	65,802	9,750	40,964	11,000	11,000	4,741	4,741	4,741	4,741
Rehabilitation/Renovation of Closed Schools (RROCS)	36,023	115,820	76,742	977	38,101	13,455	21,065	3,581			
Relocatable Classrooms	2,250	53,061	35,811	5,000	12,250	2,250	5,000	5,000			
Restroom Renovations	2,290	16,275	10,735	1,000	4,540	2,290	2,250				
Roof Replacement: MCPS	12,000	103,057	45,057	8,000	50,000	12,000	12,000	6,500	6,500	6,500	6,500
Stormwater Discharge and Water Quality Management	616	10,599	6,287	616	3,696	616	616	616	616	616	616
Technology Modernization	27,399	363,610	185,795	25,538	152,277	27,399	28,010	22,875	25,366	25,484	25,143
Total Requested CIP	271,087	3,432,534	1,445,841	269,491	1,728,202	345,630	330,954	318,523	334,536	244,122	154,437

*Bold indicates a new project.

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Revised FY 2017 State Capital Improvements Program for Montgomery County Public Schools

(figures in thousands)

Priority No.	PFA YR	Project	Total Estimated Cost	Non PSCP Funds	Prior IAC Funding Thru FY 2016	FY 2017 Request For Funding
Balance of Funding (Forward-Funded)						
1	Y	Gaithersburg HS Revitalization/Expansion	109,100	69,514	24,465	15,121
		Subtotal	109,100	69,514	24,465	15,121
Construction Funding (Forward-Funded)						
2	Y	Clarksburg Cluster ES (New) (Wilson Wms ES)	28,218	18,797	0	9,421
3	Y	Bel Pre ES Revitalization/Expansion (CSR)	28,872	20,034	0	8,838
		Subtotal	57,090	38,831	0	18,259
Systemic Projects						
4	Y	Clearspring ES HVAC	2,400	1,801	0	599
5	Y	Silver Spring International MS HVAC	2,400	1,801	0	599
6	Y	Brooke Grove ES HVAC	2,200	1,651	0	549
7	Y	John T. Baker MS HVAC	2,100	1,576	0	524
8	Y	Whetstone ES HVAC	2,100	1,576	0	524
9	N	Rosa Parks MS Roof	1,999	1,501	0	497
10	Y	New Hampshire Estates ES HVAC	1,900	1,426	0	474
11	Y	Thomas W. Pyle MS Roof	1,810	1,358	0	452
12	Y	Laytonville ES HVAC	1,800	1,351	0	449
13	Y	Sligo Creek ES HVAC	1,750	1,313	0	437
14	Y	Olney ES HVAC	1,750	1,313	0	437
15	Y	Greenwood ES HVAC	1,700	1,276	0	424
16	Y	Cloverly ES HVAC	1,600	1,201	0	399
17	Y	Albert Einstein HS Roof	1,529	1,147	0	382
18	Y	Forest Knolls ES Roof	1,468	1,101	0	367
19	Y	Fallsmead ES Roof	1,108	831	0	277
20	Y	Meadow Hall ES Roof	772	579	0	193
21	Y	Robert Frost MS Windows	410	308	0	102
		Subtotal	30,795	23,110	0	7,685
Construction Funding (Forward-Funded)						
22	Y	Rock Creek Forest ES Revitalization/Expansion (CSR)	29,100	18,654	0	10,246
23	Y	Candlewood ES Revitalization/Expansion	24,133	16,692	0	7,441
24	Y	Clarksburg/Damascus MS (New)	52,784	40,643	0	12,121
25	N	William H. Farquhar MS Revitalization/Expansion	50,892	39,342	0	11,550
26	Y	Julius West MS Addition	15,303	11,998	0	3,305
27	Y	Wood Acres ES Addition	8,606	7,557	0	1,049
28	Y	Wheaton HS Revitalization/Expansion	102,507	70,938	0	31,569
		Subtotal	283,305	206,024	0	77,281
Planning and Construction Request (Forward-Funded)						
29/30	Y	Clarksburg HS Addition	11,823	9,198	0	2,625
31/32	Y	Waters Landing ES Addition (CSR)	8,827	6,954	0	1,873
33/34	Y	North Chevy Chase ES Addition	6,820	5,301	0	1,519
35/36	Y	Rosemary Hills ES Addition	5,708	4,428	0	1,280
37/38	Y	Bethesda ES Addition	3,970	3,096	0	874
39/40	Y	Arcole ES Addition (CSR)	3,841	2,987	0	854
		Subtotal	40,989	31,864	0	9,025
Construction Funding						
41	Y	Wheaton Woods ES Revitalization/Expansion (CSR)*	33,406	25,714	0	3,846
42	Y	Brown Station ES Revitalization/Expansion (CSR)*	34,448	26,471	0	3,988
43	Y	Wayside ES Revitalization/Expansion*	24,074	18,581	0	2,747
		Subtotal	91,926	70,766	0	10,581
Planning and Construction Request						
44/45	Y	Bethesda/Chevy Chase MS (New)*	52,314	40,340	0	5,987
46/47	Y	Thomas Edison HS of Technology Revitalization/Expansion*	69,088	57,051	0	6,019
		Subtotal	121,402	97,391	0	12,006
Planning Approval Request						
48	Y	Seneca Valley HS Revitalization/Expansion*	LP			LP
49	Y	Northwest ES #8 (New)*	LP			LP
50	Y	Diamond ES Addition	LP			LP
51	Y	Richard Montgomery ES #5 (New)*	LP			LP
52	Y	Bethesda/Chevy Chase HS Addition*	LP			LP
53	Y	North Bethesda MS Addition*	LP			LP
54	Y	Lucy V. Bamsley ES Addition (CSR)	LP			LP
55	Y	Kensington-Parkwood ES Addition	LP			LP
56	Y	Brookhaven ES Addition (CSR)	LP			LP
57	Y	Glen Haven ES Addition (CSR)	LP			LP
58	Y	Highland ES Addition (CSR)	LP			LP
59	Y	Kemp Mill ES Addition (CSR)	LP			LP
60	Y	Sargent Shriver ES Addition (CSR)	LP			LP
61	Y	Luxmanor ES Revitalization/Expansion*	LP			LP
62	Y	Maryvale ES/Carl Sandburg School Revitalization/Expansion* (CSR)	LP			LP
63	Y	Potomac ES Revitalization/Expansion*	LP			LP
64	Y	Tilden MS/Rock Terrace School Revitalization/Expansion*	LP			LP
65	Y	Wootton HS Revitalization/Expansion*	LP			LP
		TOTAL	734,607	637,600	18,901	149,958

*Split-FY Funding Request

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ADA Compliance: MCPS (P796235)

Category: Montgomery County Public Schools
 Sub Category: Countywide
 Administering Agency: Public Schools (AAGE18)
 Planning Area: Countywide

Date Last Modified: 11/17/14
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

	Total	Thru FY16	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	7,000	3,614	810	2,576	630	630	329	329	329	329	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	21,593	12,979	2,190	6,424	1,470	1,470	871	871	871	871	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	28,593	16,593	3,000	9,000	2,100	2,100	1,200	1,200	1,200	1,200	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	28,593	16,593	3,000	9,000	2,100	2,100	1,200	1,200	1,200	1,200	0
Total	28,593	16,593	3,000	9,000	2,100	2,100	1,200	1,200	1,200	1,200	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	2,100
Appropriation Request Est.	FY 18	2,100
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		19,593
Expenditure / Encumbrances		16,593
Unencumbered Balance		3,000

Date First Appropriation	FY 79
First Cost Estimate	
Current Scope	FY 98
	16,615
Last FY's Cost Estimate	24,393
Partial Closeout Thru	17,216
New Partial Closeout	0
Total Partial Closeout	17,216

Description

Federal and State laws require MCPS to provide program accessibility for all of its activities and to consider various forms of accessibility improvements at existing facilities on a continuing basis. While MCPS provides program accessibility in a manner consistent with current laws, a significant number of existing facilities not scheduled for modernization in the current six-year CIP are at least partially inaccessible for a variety of disabling conditions. Some combination of elevators, wheelchair lifts, restroom modifications, and other site-specific improvements are required at many of these facilities. Since disabilities of eligible individuals must be considered on a case-by-case basis, additional modifications such as automatic door openers, access ramps, and curb cuts may be required on an ad hoc basis even in facilities previously considered accessible. The increased mainstreaming of special education students has contributed to modifications to existing facilities. Certain ADA modifications results in significant cost avoidance, since transportation may have to be provided for individuals to other venues or programs. On September 15, 2010, the Department of Justice approved revisions to Title II of the Americans with Disabilities Act (ADA), that will require local and state government agencies to comply with these revisions. An FY 2013 appropriation was approved to begin the assessment of MCPS facilities to comply with the approved revision of Title II of the ADA. An FY 2014 appropriation was approved to continue this level of effort project. An FY 2015 appropriation was approved to continue remediation to address the revisions to Title II of the ADA. An FY 2016 appropriation was approved to continue this level of effort project. An FY 2017 appropriation is requested to complete facility modifications due to the revisions of Title II of the ADA and also to continue to provide accessibility modifications where necessary throughout the school system.

Fiscal Note

ADA requirements are addressed in other projects, including many transportation and renovation projects.

Disclosures

Expenditures will continue indefinitely.

Coordination

State Reimbursement: Not eligible

Facility Planning: MCPS (P966553)

Category
Sub Category
Administering Agency
Planning Area

Montgomery County Public Schools
Countywide
Public Schools (AAGE18)
Countywide

Date Last Modified 11/17/14
Required Adequate Public Facility No
Relocation Impact None
Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	11,767	8,307	550	2,910	635	535	360	460	460	460	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	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	11,767	8,307	550	2,910	635	535	360	460	460	460	0
FUNDING SCHEDULE (\$000s)											
G.O. Bonds	4,459	3,510	152	797	155	120	108	138	138	138	0
Total	11,767	8,307	550	2,910	635	535	360	460	460	460	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	635
Appropriation Request Est.	FY 18	535
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		8,857
Expenditure / Encumbrances		9,501
Unencumbered Balance		-644

Date First Appropriation	FY 96
First Cost Estimate	
Current Scope	FY 96
Last FY's Cost Estimate	10,997
Partial Closeout Thru	4,891
New Partial Closeout	0
Total Partial Closeout	4,891

Description

The facility planning process provides preliminary programs of requirements (PORs), cost estimates, and budget documentation for selected projects. This project serves as the transition stage from the master plan or conceptual stage to inclusion of a stand-alone project in the CIP. There is a continuing need for the development of accurate cost estimates and an exploration of alternatives for proposed projects. Implementation of the facility planning process results in realistic cost estimates, fewer and less significant cost overruns, fewer project delays, and improved life-cycle costing of projects. In the past, this project was funded solely by current revenue; however, as a result of new environmental regulation changes, design of site development concept plans must be done during the facility planning phase in order to obtain necessary site permits in time for the construction phase. Therefore, the funding sources shown on this PDF reflect the appropriate portions for both current revenue and GO bonds. Due to fiscal constraints, the County Council, in the adopted FY 2011-2016 CIP, reduced the expenditures in FYs 2013-2016 for this project. An FY 2012 appropriation was approved to continue this project. An FY 2013 appropriation was approved for the pre-planning of three elementary school revitalization/expansion projects, one middle school revitalization/expansion project, six elementary school additions, and one middle school addition. An FY 2014 appropriation and amendment to the FY 2013-2018 CIP was approved to provide an additional \$220,000 for this project to conduct feasibility studies to address overutilization at various school throughout the county. An FY 2015 appropriation was approved for the pre-planning of nine elementary school additions, five middle school additions, one high school addition, one new elementary school, and four elementary school and one high school revitalization/expansion projects. An FY 2016 appropriation and amendment to the adopted CIP was approved for the preplanning of two elementary school additions, five high school additions, and one middle school addition. An FY 2017 appropriation is requested for the preplanning for additions at one elementary school, one middle school, and two high schools, as well as preplanning for revitalization/expansions at four elementary schools, one middle school, and one high school.

Disclosures

Expenditures will continue indefinitely.

Fire Safety Code Upgrades (P016532)

Category Montgomery County Public Schools
 Sub Category Countywide
 Administering Agency Public Schools (AAGE18)
 Planning Area Countywide

Date Last Modified 11/17/14
 Required Adequate Public Facility No
 Relocation Impact None
 Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	4,490	2,080	350	2,080	750	750	140	140	140	140	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	20,993	8,135	1,650	11,208	4,250	4,250	677	677	677	677	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	25,483	10,215	2,000	13,268	5,000	5,000	817	817	817	817	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	25,483	10,215	2,000	13,268	5,000	5,000	817	817	817	817	0
Total	25,483	10,215	2,000	13,268	5,000	5,000	817	817	817	817	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	5,000
Appropriation Request Est.	FY 18	5,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		12,215
Expenditure / Encumbrances		12,155
Unencumbered Balance		80

Date First Appropriation	FY 01
First Cost Estimate	
Current Scope	0
Last FY's Cost Estimate	15,483

Description

This project addresses sprinklers, escape windows, exit signs, fire alarm devices, exit stairs, and hood and fire suppression systems to comply with annual Fire Marshal inspections. An FY 2011 appropriation was approved to continue this program to maintain code compliance and life-cycle equipment replacement. An FY 2012 appropriation was approved to continue this level of effort project. An FY 2013 appropriation was approved to maintain life safety code compliance and equipment life-cycle replacements at MCPS facilities systemwide. An FY 2014 appropriation was approved to continue this project. An FY 2015 appropriation was approved to continue this level of effort project and maintain life safety code compliance through equipment replacement such as fire alarm systems that will be over 20 years old and will have exceeded their anticipated life-cycle. An FY 2016 appropriation was approved to continue this level of effort project. An FY 2017 appropriation is requested to continue this level of effort project as well as address code compliance issues related to the storage of flammable materials at schools systemwide.

Coordination

Fire Marshal

Improved (Safe) Access to Schools (P975051)

Category Montgomery County Public Schools
 Sub Category Countywide
 Administering Agency Public Schools (AAGE18)
 Planning Area Countywide

Date Last Modified 11/17/14
 Required Adequate Public Facility No
 Relocation Impact None
 Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	2,166	1,166	200	800	400	400	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	12,177	7,977	1,000	3,200	1,600	1,600	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	14,343	9,143	1,200	4,000	2,000	2,000	0	0	0	0	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	14,343	9,143	1,200	4,000	2,000	2,000	0	0	0	0	0
Total	14,343	9,143	1,200	4,000	2,000	2,000	0	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	2,000
Appropriation Request Est.	FY 18	2,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		10,343
Expenditure / Encumbrances		9,143
Unencumbered Balance		1,200

Date First Appropriation	FY 97
First Cost Estimate	
Current Scope	FY 97
	1,185
Last FY's Cost Estimate	10,343
Partial Closeout Thru	13,811
New Partial Closeout	485
Total Partial Closeout	14,096

Description

This project addresses vehicular and pedestrian access to schools. It may involve the widening of a street or roadway, obtaining rights-of-way for school access or exit, or changing or adding entrance/exits at various schools. These problems may arise at schools where there are no construction projects or DOT road projects that could fund the necessary changes. An FY 2011 appropriation was approved to address access, circulation, and vehicular and pedestrian traffic issues at schools throughout the county. Expenditures are shown for only the first two years of the CIP. Funding beyond the first two years will be reviewed during each on-year of the CIP cycle. An FY 2012 appropriation was approved to continue this project. An FY 2013 appropriation was approved to address access, circulation, and vehicular and pedestrian traffic issues at two high schools, one middle school, and one elementary school. An FY 2014 appropriation was approved to continue this project. An FY 2015 appropriation was approved to address access, circulation, and vehicular and pedestrian traffic issues at Julius West Middle School, North Bethesda Middle School, Ashburton Elementary School and Judith Resnik Elementary School. An FY 2016 appropriation was approved to continue this project. An FY 2017 appropriation is requested to address access, circulation, and vehicular and pedestrian traffic issues at schools throughout the county, as well as modify and expand parking lots to provide staff parking at schools that are overutilized.

Fiscal Note

State Reimbursement: not eligible

Disclosures

Expenditures will continue indefinitely.

Coordination

STEP Committee

Restroom Renovations (P056501)

Category Montgomery County Public Schools
 Sub Category Countywide
 Administering Agency Public Schools (AAGE18)
 Planning Area Countywide

Date Last Modified 11/17/14
 Required Adequate Public Facility No
 Relocation Impact None
 Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	1,505	960	100	445	220	225	0	0	0	0	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	14,770	9,775	900	4,095	2,070	2,025	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	16,275	10,735	1,000	4,540	2,290	2,250	0	0	0	0	0
FUNDING SCHEDULE (\$000s)											
G.O. Bonds	16,275	10,735	1,000	4,540	2,290	2,250	0	0	0	0	0
Total	16,275	10,735	1,000	4,540	2,290	2,250	0	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	2,290
Appropriation Request Est.	FY 18	2,250
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		11,735
Expenditure / Encumbrances		10,735
Unencumbered Balance		1,000

Date First Appropriation	FY 05
First Cost Estimate	
Current Scope	FY05
Last FY's Cost Estimate	13,085

Description

This project will provide needed modifications to specific areas of restroom facilities. A study was conducted in FY 2004 to evaluate restrooms for all schools that were built or renovated before 1985. Schools on the revitalization/expansion list with either planning or construction funding in the six-year CIP were excluded from this list. Ratings were based upon visual inspections of the existing materials and fixtures as of August 1, 2003. Ratings also were based on conversations with the building services managers, principals, vice principals, and staffs about the existing conditions of the restroom facilities. The numeric rating for each school was based on an evaluation method using a preset number scale for the assessment of the existing plumbing fixtures, accessories, and room finish materials. An FY 2010 appropriation was approved to address the remaining schools identified on the list for restroom renovations. In FY 2010, a second round of assessments were completed, which included a total of 110 schools, including holding facilities. An FY 2011 appropriation was approved to begin the renovations of the schools identified in the second round of assessments. Based on the expenditures shown above, the first 71 schools are proposed for renovation in the FY 2011-2016 CIP. An FY 2012 appropriation was approved to continue this project. An FY 2013 appropriation was approved to continue the renovations of restroom facilities. An FY 2014 appropriation was approved to continue this project. An FY 2015 appropriation was approved to provide restroom renovations for school identified for this project. An FY 2016 appropriation was approved to continue this project. An FY 2017 appropriation is requested to continue this project and complete all restroom renovations by the end of FY 2018. Expenditures in this project have not been increased since this project was first approved and, therefore, the increase in expenditures shown in the FY 2017-2022 CIP reflect rises in construction costs based on the estimates for each school project included in this PDF. BY FY 2018, based on the expenditures shown above, all 110 schools assessed will be completed. The list of approved restroom renovations is shown in Appendix G of the Superintendent's Recommended FY 2017 Capital Budget and the FY 2017-2022 Capital Improvements Program.

Building Modifications and Program Improvements (P076506)

Category Montgomery County Public Schools
 Sub Category Countywide
 Administering Agency Public Schools (AAGE18)
 Planning Area Countywide

Date Last Modified 11/17/14
 Required Adequate Public Facility No
 Relocation Impact None
 Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	6,397	3,852	765	1,780	1,140	640	0	0	0	0	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	30,282	21,482	2,580	6,220	3,860	2,360	0	0	0	0	0
Other	1,260	680	200	400	200	200	0	0	0	0	0
Total	37,939	25,994	3,545	8,400	5,200	3,200	0	0	0	0	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	2,555	2,510	45	0	0	0	0	0	0	0	0
Total	37,939	25,994	3,545	8,400	5,200	3,200	0	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	5,200
Appropriation Request Est.	FY 18	3,200
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		28,539
Expenditure / Encumbrances		25,994
Unencumbered Balance		3,545

Date First Appropriation	FY 07
First Cost Estimate	
Current Scope	FY07
Last FY's Cost Estimate	28,194

Description

This project will provide facility modifications to support program offerings at schools that are not scheduled for capital improvements in the six-year CIP. These limited modifications to instruction and support spaces are needed to provide adequate space for new or expanded programs and administrative support space for schools that are not included in the revitalization/expansion program. An FY 2012 appropriation was approved to continue to provide facility modifications at various schools throughout the system. Facility modifications in FY 2013 and beyond will be determined based on the need for space modifications/upgrades to support new or modified program offerings. Due to fiscal constraints, expenditures requested in the Board of Education's FY 2011-2016 CIP for FYs 2013-2016 were removed by the County Council in the adopted FY 2011-2016 CIP. An FY 2013 appropriation was approved to renovate science laboratories at one high school and provide special education facility modifications for two elementary schools and two high schools. An FY 2014 appropriation was approved to continue to provide facility modifications and program improvements to various schools throughout the county. An FY 2015 appropriation was approved for modifications to schools due to special education program changes; science laboratory upgrades at secondary schools; space modifications for program requirements; as well as two specific one-time projects—the construction of an auxiliary gymnasium at Thomas Pyle Middle School and classroom modifications at the Whittier Woods Center to be used by Walt Whitman High School. An FY 2015 appropriation was approved for \$1.3 million for the installation of artificial turf at Winston Churchill High School. An FY 2016 appropriation was approved for modifications to schools due to special education program changes, space modifications for program requirements, and computer lab conversions at various schools throughout the county. An FY 2016 supplemental appropriation for \$45,410 was approved to begin the design of the artificial turf installation at Somerset Elementary School. An FY 2017 appropriation is requested to continue this program to accommodate program changes and to address space deficits through building modifications.

Fiscal Note

Mandatory Referral - M-NCPPC, Department of Environmental Protection, Building Permits, Code Review, Fire Marshall, Department of Transportation, Inspections, Sediment Control, Stormwater Management, WSSC Permits

Roof Replacement: MCPS (P766995)

Category Montgomery County Public Schools
Sub Category Countywide
Administering Agency Public Schools (AAGE18)
Planning Area Countywide

Date Last Modified 11/17/14
Required Adequate Public Facility No
Relocation Impact None
Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	7,085	2,225	740	4,120	960	960	550	550	550	550	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	83,271	30,131	7,260	45,880	11,040	11,040	5,950	5,950	5,950	5,950	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	90,356	32,356	8,000	50,000	12,000	12,000	6,500	6,500	6,500	6,500	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	77,778	21,223	6,553	50,000	12,000	12,000	6,500	6,500	6,500	6,500	0
State Aid	12,580	11,133	1,447	0	0	0	0	0	0	0	0
Total	90,356	32,356	8,000	50,000	12,000	12,000	6,500	6,500	6,500	6,500	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	12,000
Appropriation Request Est.	FY 18	12,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		40,356
Expenditure / Encumbrances		32,356
Unencumbered Balance		8,000

Date First Appropriation	FY 76
First Cost Estimate	
Current Scope	FY 96
Last FY's Cost Estimate	19,470
Partial Closeout Thru	72,153
New Partial Closeout	69,580
Total Partial Closeout	5,368
	74,948

Description

The increasing age of buildings has created a backlog of work to replace roofs on their expected 20 year life cycle. Roofs are replaced when schools are not in session, and are scheduled during the summer. This is an annual request, funded since FY 1976. An FY 2013 appropriation was approved for partial roof replacements at Pine Crest, Stedwick, Dr. Charles R. Drew, Summit Hall, and Whetstone elementary schools and full roof replacements at Damascus, Judith A. Resnick and Sequoyah elementary schools. An FY 2014 appropriation was approved to continue this project. An FY 2015 appropriation was approved for partial roof replacements at Fields Road, Olney, and Rockwell elementary schools and Walt Whitman High School as well as full roof replacements at Briggs Chaney, White Oak, and Roberto Clemente middle schools. An FY 2016 appropriation was approved for partial roof replacements at Albert Einstein and Walt Whitman high schools; Newport Mill Middle School; Galway, Thurgood Marshall, Rock Creek Valley and Washington Grove elementary schools; and the Stephen Knolls Center. An FY 2017 appropriation is requested for partial roof replacements at Ashburton, Broad Acres, Fallsmead, Forest Knolls, Georgian Forest, Meadow Hall, and Westbrook elementary schools; Thomas Pyle Middle School and Albert Einstein High School; and a full replacement at Rosa Parks Middle School.

Disclosures

Expenditures will continue indefinitely.

Public Schools (A18) asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

Coordination

FY 2017 – Salaries and Wages: \$158K, Fringe Benefits: \$73K, Workyears: 2 FY 2018-2022 – Salaries and Wages: \$790K, Fringe Benefits: \$365K, Workyears: 10

HVAC (Mechanical Systems) Replacement: MCPS (P816633)

Category Montgomery County Public Schools
Sub Category Countywide
Administering Agency Public Schools (AAGE18)
Planning Area Countywide

Date Last Modified 11/17/14
Required Adequate Public Facility No
Relocation Impact None
Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	43,600	13,100	4,100	26,400	6,000	6,000	3,600	3,600	3,600	3,600	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	175,367	57,867	11,900	105,800	24,000	24,000	14,400	14,400	14,400	14,400	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	218,967	70,967	16,000	132,000	30,000	30,000	18,000	18,000	18,000	18,000	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	191,158	47,122	12,036	132,000	30,000	30,000	18,000	18,000	18,000	18,000	0
Total	218,967	70,967	16,000	132,000	30,000	30,000	18,000	18,000	18,000	18,000	0

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation Request	FY 17	30,000
Appropriation Request Est.	FY 18	30,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		86,967
Expenditure / Encumbrances		70,967
Unencumbered Balance		16,000

Date First Appropriation	FY 81
First Cost Estimate	
Current Scope	FY 96
Last FY's Cost Estimate	150,076
Partial Closeout Thru	89,303
New Partial Closeout	13,907
Total Partial Closeout	103,210

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. The County Council, in the adopted FY 2013-2018 CIP, significantly reduced the expenditures requested by the Board of Education for this project for FY 2014 and beyond. An FY 2014 appropriation and amendment to the FY 2013-2018 CIP was requested to provide an additional \$11.46 million above the adopted CIP to reinstate funds that were removed by the County Council during reconciliation in May 2012. However, the County Council, in the adopted FY 2013-2018 Amended CIP, approved only \$3.82 million of the \$11.46 million requested by the Board. Due to fiscal constraints, the County Council adopted FY 2015-2020 CIP reduced the FY 2016 expenditures requested by the Board of Education from \$28 million to \$16 million, but increased the outyears by a total of \$8 million (\$2 million in FYs 2017-2020). An FY 2015 appropriation was approved for mechanical systems upgrades and/or replacements at 3 high schools, 3 middle schools, and 11 elementary schools. An FY 2016 appropriation was approved for mechanical systems upgrades and/or replacements at Quince Orchard (Phase II) and Damascus (Phase III) high schools; Shady Grove (Phase II) Middle School; and Beall, Burning Tree, Captain Daly, Highland, and Rolling Terrace elementary schools. An FY 2017 appropriation is requested for mechanical systems upgrades and/or replacements at Damascus HS (Phase III); 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, Sligo Creek, and Whetstone elementary schools.

Fiscal Note

CIP Master Plan for School Facilities

Disclosures

Expenditures will continue indefinitely.

Public Schools (A18) asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

Planned Life Cycle Asset Repl: MCPS (P896586)

Category Montgomery County Public Schools
 Sub Category Countywide
 Administering Agency Public Schools (AAGE18)
 Planning Area Countywide

Date Last Modified 11/17/14
 Required Adequate Public Facility No
 Relocation Impact None
 Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	13,872	5,643	2,029	6,000	1,200	1,200	900	900	900	900	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	13,145	8,620	925	3,600	800	800	500	500	500	500	0
Construction	90,052	50,388	8,300	31,364	9,000	9,000	3,341	3,341	3,341	3,341	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	116,869	64,651	11,254	40,964	11,000	11,000	4,741	4,741	4,741	4,741	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	6,984	6,361	603	0	0	0	0	0	0	0	0
Total	116,869	64,651	11,254	40,964	11,000	11,000	4,741	4,741	4,741	4,741	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	11,000
Appropriation Request Est.	FY 18	11,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		75,905
Expenditure / Encumbrances		64,651
Unencumbered Balance		11,254

Date First Appropriation	FY 89
First Cost Estimate	
Current Scope	FY 96
	24,802
Last FY's Cost Estimate	90,506
Partial Closeout Thru	51,060
New Partial Closeout	1,253
Total Partial Closeout	52,313

Description

This project funds a comprehensive and ongoing plan to replace key facility and site components based on an inventory of their age and conditions. A comprehensive inventory of all such components has been assembled so that replacements can be anticipated and accomplished in a planned and orderly manner. Facility components included in this project are code corrections, physical education facility/field improvements, school facility exterior resurfacing, partitions, doors, lighting, media center security gates, bleachers, communication systems, and flooring. An FY 2013 appropriation was approved to fund capital projects that will address MCPS infrastructure. The County Council, in the adopted FY 2013-2018 CIP significantly reduced the expenditures requested by the Board of Education for this project for FY 2014 and beyond. An FY 2014 appropriation and amendment to the FY 2013-2018 CIP was requested to provide an additional \$2.49 million above the adopted CIP to reinstate funds that were removed by the County Council during reconciliation in May 2012. However, the County Council, in the adopted FY 2013-2018 Amended CIP did not approve the \$2.49 million amendment as requested by the Board. An FY 2013 supplemental appropriation of \$3.1 million was approved through the state's ASP program and an FY 2013 supplemental appropriation of \$2.0 million was approved through the state's QZAB program. An FY 2015 appropriation was approved to reinstate funds that were removed by the County Council during the last full CIP approval process in order to address our aging infrastructure through the PLAR program. An FY 2015 supplemental appropriation of \$603,000 was approved through the state's ASP program and \$1.009 million was approved through the state's QZAB program. An FY 2016 appropriation and amendment was approved to continue this level of effort project and also provide an additional \$2.5 million in FY 2016 to address immediate facility issues at schools that are waiting for a major capital project. An FY 2016 supplemental appropriation in the amount of \$603,000 was approved as part of the state's ASP program and an FY 2016 supplemental appropriation in the amount of \$901,000 was approved as part of the state's QZAB program. An FY 2017 appropriation is requested to address facility components in school facilities that have reached the end of their life-cycle. For a list of projects completed during the summer of 2016, see Appendix R of the Superintendent's Recommended FY 2017 Capital Budget and FY 2017-2022 Capital Improvements Program.

Disclosures

Expenditures will continue indefinitely.

Public Schools (A18) asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

Coordination

FY 2017 – Salaries and Wages: \$365K, Fringe Benefits: \$163K, Workyears: 5 FY 2018-2022 – Salaries and Wages: \$1.825M, Fringe Benefits: \$815K, Workyears: 25

Rehab/Reno.Of Closed Schools- RROCS (P916587)

Category Montgomery County Public Schools
 Sub Category Countywide
 Administering Agency Public Schools (AAGE18)
 Planning Area Countywide

Date Last Modified 11/17/14
 Required Adequate Public Facility No
 Relocation Impact None
 Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	12,812	6,133	977	1,728	1,402	326	0	0	0	0	3,774
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	17,765	9,660	0	3,105	2,379	726	0	0	0	0	5,000
Construction	138,836	57,043	0	32,088	9,574	19,683	2,811	0	0	0	49,725
Other	5,106	3,906	0	1,200	100	330	770	0	0	0	0
Total	174,319	76,742	977	38,101	13,455	21,065	3,581	0	0	0	58,499

FUNDING SCHEDULE (\$000s)											
Current Revenue: General	2,765	2,765	0	0	0	0	0	0	0	0	0
G.O. Bonds	129,174	43,959	977	25,739	5,000	17,158	3,581	0	0	0	58,499
PAYGO	375	375	0	0	0	0	0	0	0	0	0
Recordation Tax - PAYGO	7,000	7,000	0	0	0	0	0	0	0	0	0
Schools Impact Tax	13,690	1,328	0	12,362	8,455	3,907	0	0	0	0	0
State Aid	21,315	21,315	0	0	0	0	0	0	0	0	0
Total	174,319	76,742	977	38,101	13,455	21,065	3,581	0	0	0	58,499

OPERATING BUDGET IMPACT (\$000s)											
Energy				636	0	0	159	159	159	159	
Maintenance				1,708	0	0	427	427	427	427	
Net Impact				2,344	0	0	586	586	586	586	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	36,023
Appropriation Request Est.	FY 18	1,100
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		78,897
Expenditure / Encumbrances		76,742
Unencumbered Balance		1,955

Date First Appropriation	
First Cost Estimate	
Current Scope	15,152
Last FY's Cost Estimate	168,319

Description

MCPS retained some closed schools for use for office space, as holding schools, or for alternative programs. Occasionally a closed school is reopened as an operating school to address increasing enrollment. Some rehabilitation is necessary to restore spaces for contemporary instructional use. Student enrollment at elementary schools in the Richard Montgomery Cluster has increased dramatically over the past four school years. The magnitude of enrollment growth in the cluster requires the opening of a new elementary school. A feasibility study was conducted during the 2010-2011 school year for a new elementary school at the site of the former Hungerford Park Elementary School. Based on the revised enrollment projections for Richard Montgomery Cluster elementary schools, the new elementary school will be sufficient to address the projected elementary enrollment in the cluster. An FY 2013 appropriation was requested by the Board of Education for planning funds for this new school; however, the County Council, in the adopted FY 2013-2108 CIP delayed this project two years. An FY 2012 transfer was approved to shift \$4.5 million from the Downcounty Consortium Elementary School #29 to another project in the approved CIP. An FY 2015 appropriation was approved to begin planning the new Richard Montgomery Elementary School #5. However, due to fiscal constraints, the construction funds for this project were delayed one year in the approved FY2015-2020 CIP. The Board of Education's requested FY 2015-2020 Amended CIP reinstated the construction schedule previously requested by the Board. Due to fiscal constraints, the County Council did not approve the Board's request. An FY 2017 appropriation is requested for construction funds for the new Richard Montgomery Elementary School #5 to be completed August 2018 and also for interior modifications to the former English Manor Elementary School to accommodate the Infants and Toddlers Program as well as other MCPS support programs.

Public Schools (A18) asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

Coordination

Mandatory Referral - M-NCPPC, Department of Environmental Protection, Building Permits, Code Review, Fire Marshal, Department of Transportation, Inspections, Sediment Control, Stormwater Management, WSSC Permits

Albert Einstein Cluster HS Solution (P651519)

Category
Sub Category
Administering Agency
Planning Area

Montgomery County Public Schools
Individual Schools
Public Schools (AAGE18)
Kensington-Wheaton

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

11/17/14
No
None
Planning Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	177	0	0	177	0	89	53	35	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	190	0	0	190	0	0	152	38	0	0	0
Construction	1,757	0	0	1,757	0	0	351	879	527	0	0
Other	210	0	0	210	0	0	0	42	188	0	0
Total	2,334	0	0	2,334	0	89	556	994	695	0	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	2,334	0	0	2,334	0	89	556	994	695	0	0
Total	2,334	0	0	2,334	0	89	556	994	695	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	FY 18
First Cost Estimate	
Current Scope	0
Last FY's Cost Estimate	0

Description

Due to increasing enrollment growth, this project includes funds to design and construct six permanent high school classrooms serving Albert Einstein High School in the Down County Consortium. These additional classrooms would meet capacity requirements under the Subdivision Staging Policy, avoiding a residential moratorium in the Albert Einstein Cluster. The County Council anticipates that ultimately, the Board of Education will request a specific project that will add at least these classrooms by the start of the 2020-2021 school year, at the latest, and that these funds would be used towards that purpose.

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Gaithersburg Cluster ES Solution (P651518)

Category
Sub Category
Administering Agency
Planning Area

Montgomery County Public Schools
Individual Schools
Public Schools (AAGE18)
Gaithersburg Vicinity

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

11/17/14
No

Planning Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	4,097	0	0	4,097	2,000	1,872	150	75	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	3,000	0	0	3,000	0	0	2,000	1,000	0	0	0
Construction	17,153	0	0	17,153	0	0	4,804	9,429	2,920	0	0
Other	1,750	0	0	1,750	0	0	0	1,750	0	0	0
Total	26,000	0	0	26,000	2,000	1,872	6,954	12,254	2,920	0	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	26,000	0	0	26,000	2,000	1,872	6,954	12,254	2,920	0	0
Total	26,000	0	0	26,000	2,000	1,872	6,954	12,254	2,920	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	3,872
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	FY 16
First Cost Estimate	
Current Scope	0
Last FY's Cost Estimate	0

Description

Due to increasing enrollment growth, this project includes funds to design and construct 10 elementary school classrooms in the Gaithersburg Cluster. These additional classrooms would meet capacity requirements under the Subdivision Staging Policy, avoiding a residential moratorium in the Gaithersburg Cluster. The County Council anticipates that ultimately, the Board of Education will request a specific project that will add at least these classrooms by the start of the 2020-2021 school year at the latest and these funds would be used towards that purpose. The Board of Education, in the FY 2017-2022 CIP, determined that further study to address the overutilization in the Gaithersburg Cluster at the elementary school level was necessary. However, the Board of Education did include additional funding in this project and expenditures in FY 2017 to address the space deficits at the elementary school level in this cluster. An FY 2017 appropriation is requested for planning funds.

Walter Johnson Cluster HS Solution (651607)

Category
Sub Category
Administering Agency
Planning Area

Montgomery County Public Schools
Individual Schools
Public Schools (AAGE18)
North Bethesda-Garrett Park

Date Last Modified 11/17/14
Required Adequate Public Facility
Relocation Impact
Status

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	236	0	0	236	0	118	71	47	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	253	0	0	253	0	0	202	51	0	0	0
Construction	2,342	0	0	2,342	0	0	488	1,171	703	0	0
Other	280	0	0	280	0	0	0	56	224	0	0
Total	3,111	0	0	3,111	0	118	741	1,325	927	0	0
FUNDING SCHEDULE (\$000s)											
G.O. Bonds	3,111	0	0	3,111	0	118	741	1,325	927	0	0
Total	3,111	0	0	3,111	0	118	741	1,325	927	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	
First Cost Estimate	
Current Scope	0
Last FY's Cost Estimate	0

Description

Due to increasing enrollment growth, this project includes funds to design and construct eight permanent high school classrooms serving the Walter Johnson Cluster. These additional classrooms would meet capacity requirements under the Subdivision Staging Policy, avoiding a residential moratorium in the Walter Johnson Cluster. The County Council anticipates that ultimately the Board of Education will request a specific project that will add at least these classrooms by the start of the 2020-2021 school year at the latest, and that these funds would be used towards that purpose. The Board of Education, in the FY 2017-2022 CIP approved a Roundtable Discussion Group to evaluate a range of options to address the overutilization at Walter Johnson High School.

Northwood Cluster HS Solution (P651517)

Category Montgomery County Public Schools
 Sub Category Individual Schools
 Administering Agency Public Schools (AAGE18)
 Planning Area Kensington-Wheaton

Date Last Modified 11/17/14
 Required Adequate Public Facility No
 Relocation Impact None
 Status Planning Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	294	0	0	294	0	147	88	59	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	316	0	0	316	0	0	253	63	0	0	0
Construction	2,928	0	0	2,928	0	0	586	1,464	878	0	0
Other	350	0	0	350	0	0	0	70	280	0	0
Total	3,888	0	0	3,888	0	147	927	1,656	1,158	0	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	3,888	0	0	3,888	0	147	927	1,656	1,158	0	0
Total	3,888	0	0	3,888	0	147	927	1,656	1,158	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	FY 16
First Cost Estimate	
Current Scope	0
Last FY's Cost Estimate	0

Description

Due to increasing enrollment growth, this project includes funds to design and construct 10 high school classrooms serving Northwood High School in the Down County Consortium. These additional classrooms would meet capacity requirements under the Subdivision Staging Policy, avoiding a residential moratorium in the Northwood Cluster. The County Council anticipates that ultimately, the Board of Education will request a specific project that will add, at least, these classrooms by the start of the 2020-2021 school year at the latest and these funds would be used towards that purpose.

Northwest ES #8 (New) (P136505)

Category
Sub Category
Administering Agency
Planning Area

Montgomery County Public Schools
Individual Schools
Public Schools (AAGE18)
Germantown

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

11/17/14
No
None
Planning Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	2,979	1,192	894	893	0	0	596	297	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	4,776	0	0	4,776	0	0	2,690	2,086	0	0	0
Construction	10,595	0	0	10,595	0	0	1,374	4,819	4,402	0	0
Other	1,100	0	0	1,100	0	0	0	330	770	0	0
Total	19,450	1,192	894	17,364	0	0	4,660	7,532	5,172	0	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	18,258	0	894	17,364	0	0	4,660	7,532	5,172	0	0
School Facilities Payment	630	630	0	0	0	0	0	0	0	0	0
Schools Impact Tax	562	562	0	0	0	0	0	0	0	0	0
Total	19,450	1,192	894	17,364	0	0	4,660	7,532	5,172	0	0

OPERATING BUDGET IMPACT (\$000s)											
Energy				441	0	0	0	147	147	147	
Maintenance				1,182	0	0	0	394	394	394	
Net Impact				1,623	0	0	0	541	541	541	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		2,979
Expenditure / Encumbrances		1,192
Unencumbered Balance		1,787

Date First Appropriation	FY 15
First Cost Estimate	
Current Scope	0
Last FY's Cost Estimate	32,450

Description

Projections indicate enrollment at Spark M. Matsunaga and Ronald McNair elementary schools will exceed the capacities at each school. Spark M. Matsunaga Elementary School has a program capacity of 650 with a 2017-2018 projected enrollment of 1,016 students. Ronald McNair Elementary School has a program capacity of 623 with a 2017-2018 projected enrollment of 732 students. In order to provide relief of the overutilization at both schools, a new elementary school is needed. An FY 2015 appropriation was approved to begin planning this new school. While planning funds remain on schedule, due to fiscal constraints, the construction funds for this project were delayed one year in the approved FY2015-2020 CIP. The Board of Education's requested FY 2015-2020 Amended CIP reinstated the construction schedule previously requested by the Board. Due to fiscal constraints, the County Council did not approve the Board's request. The Northwest Cluster elementary school deficit has decreased from previous years. Therefore, the Board of Education, in the FY 2017-2022 CIP, delayed the construction funds two years to provide an opportunity to monitor the cluster deficit and explore alternatives to address the overutilization at the elementary schools in this cluster. An FY 2019 appropriation will be requested for construction funds. This project is scheduled to be completed by August 2020.

Capacity

Program Capacity: 740

Coordination

Mandatory Referral - M-NCPPC, Department of Environmental Protection, Building Permits, Code Review, Fire Marshal, Department of Transportation, Inspections, Sediment Control, Stormwater Management, WSSC Permits

Montgomery County Public Schools

AGENCY DESCRIPTION

The Montgomery County Board of Education (BOE or Board) consists of seven publicly elected members; one student member elected by public school students; and the Superintendent of Schools, who is appointed by the Board of Education and is responsible for the administration of the school system. The vote of the Superintendent is not counted for capital and operating budget appropriations. Montgomery County Public Schools (MCPS) operates and maintains a Countywide system of public schools for students from pre-kindergarten through high school (including special education, interagency, and alternative programs) and also provides adult education services. At the start of the 2015-2016 school year, 156,447 students were attending 202 separate public educational facilities.

PROGRAM DESCRIPTION AND OBJECTIVES

The Board's FY17-22 CIP request consists of 12 new and 39 ongoing projects with expenditures in the six-year period. Included within the ongoing projects are three projects with multiple sub-projects: Current Revitalizations / Expansions, Future Revitalizations / Expansions (formerly known as modernizations), and Rehab / Renovation of Closed Schools.

Three projects are included for technical reasons. State Aid Reconciliation includes State Aid funding not yet allocated to specific projects, as well as bond funding reductions assumed from this State Aid. MCPS Affordability Reconciliation and Funding Reconciliation projects adjust total expenditures to conform to the Executive's recommended funding levels, which are affordable within the CIP.

The section following this narrative only shows the project description forms (PDFs) for which the Executive recommends changes to the BOE's request. The complete BOE request can be found on the MCPS web site at <http://www.montgomeryschoolsmd.org/departments/planning/cipmaster.aspx>

PROGRAM CONTACTS

Contact Adrienne Karamihas of the Montgomery County Public Schools at 240.314.1035 or Rachel Silberman of the Office of Management and Budget at 240.777.2786 for more information about this agency's capital budget.

CAPITAL PROGRAM REVIEW

Board of Education Request

The Board's FY17-22 capital program request for MCPS totals \$1,728.2 million, a \$184.5 million or 12.0 percent increase over the Amended FY15-20 capital program of \$1,543.7 million.

Executive Recommendations

The Executive recommends \$1,568.0 million over the six-year CIP, an amount which increases funding \$24.4 million above the amended FY15-20 CIP and \$40.1 million above the full FY15-20 CIP. Funding for school construction (excluding the Technology Modernization, Relocatable Classrooms, and Facility Planning projects) increases \$42.5 million over the amended FY15-20 CIP and \$50.3 million above the full FY15-20 CIP. Moreover, funding provided in FY17-20 of the recommended CIP for school construction increases \$86.3 million over the same period of the amended FY15-20 CIP, and represents the highest funding ever provided. In the last twelve years, funding for the MCPS CIP has grown 71.8 percent.

Total Funding (\$000s)		
Six-Year CIP	Average Per Year	Six-Year Total
FY05-10 Full	152,132	912,793
FY05-10 Amended	155,586	933,515
FY07-12 Full	195,580	1,173,478
FY07-12 Amended	201,953	1,211,719
FY09-14 Full	214,629	1,287,775
FY09-14 Amended	211,807	1,270,842
FY11-16 Full	230,991	1,385,946
FY11-16 Amended	226,496	1,358,976
FY13-18 Full	225,476	1,352,858
FY13-18 Amended	227,583	1,365,497
FY15-20 Full	254,661	1,527,967
FY15-20 Amended	257,278	1,543,670
FY17-22 Recommended	261,339	1,568,032
Change from FY15-20 Full	6,678	40,065

Local funding, consisting of general obligation bonds, current revenue, recordation taxes, impact taxes and school facility payments represents \$1.235 billion or 78.8 percent of the recommended budget. The recommended CIP also assumes \$93.0 million in State grant funds for local school systems with significant enrollment growth or relocatable classrooms, as well as the \$240.0 million in traditional State Aid.

Highlights of Executive Recommendation

- Allocate \$1,568.0 million to increase funding \$24.4 million above the amended FY15-20 level representing the recommended CIP's largest expenditure category and the Executive's highest priority. This level of funding will support new schools, school additions and renovations as well as provide significant investment in countywide infrastructure.
- Increase funding for school construction (excluding the Technology Modernization, Relocatable Classrooms, and Facility Planning projects) by \$42.5 million over the amended FY15-20 CIP and \$50.3 million above the FY15-20 full CIP level.
- Increase funding for school construction provided in the first four years of the CIP FY17-20 by \$86.3 million over the amended FY15-20 CIP.
- Maintain funding for MCPS countywide infrastructure projects including Heating, Ventilation and Air Conditioning (HVAC), roof replacements, school security systems, indoor air quality, and life-cycle asset replacement.
- As part of the Smart Growth Initiative (transit-oriented economic development), MCPS will benefit from \$33.5 million for relocation of MCPS Bus Depot and Maintenance facilities. In addition \$69 million is allocated for relocation of MCPS/Maryland-National Capital Park and Planning Commission maintenance facilities.
- Fund County projects which support MCPS initiatives to bolster at risk children and their families, including Linkages to Learning Centers at Wheaton Woods and Maryvale Elementary Schools, High School Wellness Centers at Wheaton and Seneca Valley High Schools, and Child Care in Schools Centers at Wheaton Woods, Brown Station, and Burtonsville Elementary Schools.
- Other CIP projects which benefit MCPS programs include: Pedestrian Safety Program, Transportation Improvements for Schools, FiberNet, Ballfields Initiatives (M-NCPPC), and the Kennedy Shriver Aquatic Center Building Envelope Improvement.

PROGRAM EXPENDITURES

The County Executive reaffirms his commitment to preparing children to live and learn.

Individual Schools

The Executive supports the Board's capacity-related requests, providing \$42.5 million in additional support for school construction above the amended FY15-20 CIP. The Board's capacity-related request includes constructing additions for 19 elementary schools, five middle schools, and five high schools, as well as funding for three new elementary schools and two new middle schools. The Board has taken strides to find efficiencies and maximize the use of scarce resources in its FY17-22 request by aligning class-size reduction school

capacity ratings with staffing ratios supported by the operating budget, and by including computer lab space in classroom capacity calculations. Additional State Aid, beyond that assumed in this recommended budget, is critical to ensuring these important capacity projects move forward on schedule. The Executive joins the Board of Education and the State delegation in urging the State to provide the additional support so essential to these efforts.

Countywide Projects

For the FY17-22 CIP, the Board has requested \$758.9 million for its school revitalizations/expansions program. The Board proposal results in an average expenditure level per year of \$126.5 million, an increase of \$6.7 million per year or 5.6 percent over the current approved average annual expenditure level. The following table shows annual funding for revitalizations/expansions (formerly known as modernizations) since FY01.

Revitalizations/Expansions Funding (\$000s)

Six Year CIP	Average	
	Per Year	Six-Year Total
FY01-06 Amended	59,887	359,319
FY03-08 Amended	39,282	235,691
FY05-10 Amended	48,569	291,413
FY07-12 Amended	92,119	552,716
FY09-14 Amended	110,966	665,796
FY11-16 Amended	111,719	670,311
FY13-18 Amended	108,397	650,379
FY15-20 Amended	119,783	718,696
FY17-22 Request	126,479	758,874
Change from FY15-20 Amended	6,696	40,178

The Executive recognizes the important role revitalization and expansion projects play in addressing the needs of aging facilities and overutilization, and applauds the reconvening of the Facilities Assessment and Criteria Testing (FACT) Review Committee to review FACT methodology and consider changes to parameters measured in FACT scoring. Increased State support is required to ensure the requested revitalization/expansion schedule is maintained.

The Board's FY17-22 CIP request includes increased funding for Countywide projects totaling \$79.3 million, including Fire Safety, Heating Ventilation, and Air Conditioning (HVAC), Improved Access to Schools, Planned Life-Cycle Asset Replacement (PLAR), Rehabilitation/Renovation of Closed Schools, Restroom Renovations, Roof Replacements and Technology Modernization. The Executive continues to view maintaining the current MCPS infrastructure as a priority in order to extend the life of existing facilities, particularly given recent delays in the revitalization/expansion schedule. This includes support for projects including HVAC, Building Modifications and Program Improvements, Fire Safety, Indoor Air Quality, Roof Replacements, School Security Systems, and

PLAR, which are among a number of level of effort projects being recommended for continued funding in FY17-22.

The Board's FY17-22 CIP request includes \$17.1 million in increased funding for Technology Modernization. These costs must be cash funded and as such, must be considered in the context of the March operating budget given the significant constraints in the operating budget that are projected.

PROGRAM FUNDING

The MCPS capital program would be funded using \$690.2 million of County bonds and \$544.8 million of other local resources including current revenue, recordation tax, schools impact tax, and school facilities payments. The CIP also assumes \$240 million of traditional State Aid and \$93.0 million in additional State Aid for local school systems with significant enrollment growth or relocatable classrooms. (A funding summary of FY 17-22 follows this narrative.)

County General Obligation Bonds

The Board's request includes large increases in general obligation bond expenditures throughout the six-year program. The Executive recommends bond funding of \$690.2 million over six years, which reflects the resources available within the CIP and the largest allocation of general obligation bonds of any CIP category. An allocation of approximately 34.8 percent of total planned FY17 general obligation bond issues has been recommended for MCPS.

Other County Resources

Within the six-year CIP, the Executive recommends \$133.2 million in current revenue. His proposal also assumes \$199.1 million in recordation tax, \$211.0 million in school impact tax, and \$1.45 million in school facilities payment during FY17-22. The allocation of these funding sources to MCPS increased by 5.4 percent over the FY15-20 amended CIP.

State Support for Schools

The budget assumes \$240 million in traditional State Aid for school construction and \$93.0 million in State Aid for local school systems with significant enrollment growth or relocatable classrooms. Financial support for BOE capital budget initiatives is contingent on a successful County effort to secure enhancements in State Aid for school construction over the next six years.

The Executive's recommendation assumes \$333 million of State Aid over six years with \$55.5 million in FY17. The following table compares the annual amount of State Aid requested by MCPS to the amount finally approved since 2003.

State Aid Funding (\$millions)

Fiscal Year	State Aid Requested	State Aid Approved
FY03	22.1	18.0
FY04	18.5	10.5
FY05	59.9	9.0
FY06	126.2	30.4
FY07	125.2	40.0
FY08	134.0	52.3
FY09	132.7	46.3
FY10	113.8	28.4
FY11	139.1	30.2
FY12	163.7	42.0
FY13	184.5	43.1
FY14	149.3	35.1
FY15	162.9	40.0
FY16	148.0	45.7
FY17	150.0	N/A

Montgomery County has requested \$150.0 million of State funding in FY17 for 21 construction projects and 18 systems renovation projects. A chart at the end of this chapter presents FY17-22 budget assumptions and projects likely to require State Aid.

The State's Interagency Committee on School Construction (IAC) made a preliminary recommendation on December 21, 2015 to the State Board of Public Works for \$25.7 million of State Aid for Montgomery County in FY17. The table presented below shows details by project. The BPW will make final allocations in the spring of 2016 after the end of the Maryland General Assembly session.

FY17 State Aid for School Construction (\$000)

Project by Category	Total Est. Cost	FY17 Request	IAC Rec.	Balance
Construction:				
Gaithersburg HS	109,100	15,121	10,198	4,923
Clarksburg Cluster ES	28,218	9,421	8,585	836
Bel Pre ES	28,872	8,838	4,949	3,889
Rock Creek Forest ES	29,100	10,246		10,246
Candlewood ES	24,133	7,441		7,441
Clarksburg/Demasco MS	52,764	12,121		12,121
William H. Farquhar MS	50,852	11,550		11,550
Wheaton HS	102,507	31,569		31,569
Julius West MS	15,303	3,305		3,305
Wood Acres ES	8,606	1,049		1,049
Wheaton Woods ES	33,406	3,846		3,846
Brown Station ES	34,446	3,988		3,988
Wayside ES	24,074	2,747		2,747
Subtotal, Construction	541,421	121,242	23,732	97,510
Planning & Construction:				
Clarksburg HS	11,823	2,825		2,825
Waters Landing ES	8,827	1,873		1,873
North Chew Chase ES	6,820	1,518		1,518
Rosemary Hills ES	5,708	1,280		1,280
Bethesda ES	3,970	874		874
Arcole ES	3,841	854		854
Bethesda/Chew Chase MS	52,314	5,987		5,987
Thomas Edison HS of Technology	69,088	6,019		6,019
Subtotal, Plan. & Construct.	162,391	21,031		21,031
Countywide:				
Roof Replacement	8,685	2,168		2,168
HVAC/Electrical Replacement	21,700	5,415	1,968	3,447
Windows	410	102		102
Subtotal, Countywide	30,795	7,685	1,968	5,717
Total, All Projects	734,607	149,958	25,700	124,258

SUBDIVISION STAGING POLICY

Article II of Chapter 33A-15 of the Montgomery County Code requires that, no later than November 15 in odd-numbered years, the County Council adopt the County's Subdivision Staging Policy. The Subdivision Staging Policy is the tool used to ensure that approvals of new subdivisions are commensurate with adequate transportation and school facilities. For the purposes of public school analysis and local area review of school facilities at time of subdivision, the County has been divided into 25 sectors which reflect the service areas of each of the MCPS high schools, including the middle schools and elementary schools which feed students to these high schools. These sectors are called "clusters."

The current Subdivision Staging Policy test of school adequacy applies to requests for residential subdivisions that have been filed with the Montgomery County Planning Board since July 1, 2014, and assesses school capacity five years in the future in each of the clusters. For each school level, the total projected enrollment of all schools in the cluster is compared to total school capacity in the future, including the additional capacity that will be built if the County Council approves the recommended CIP. The Subdivision Staging Policy School Test uses MCPS program capacity. Program capacity is calculated based on grade levels served and programs in schools. Program capacity does not include any relocatable classrooms that may be in use at schools.

Clusters where enrollment is projected to be above 120 percent of program capacity are placed in development moratorium, which would apply to any residential subdivision plan that had not received approval from the Planning Board as of July 1, 2016, in the case of the FY17 school test. Clusters where enrollment is projected to be above 105 percent of program capacity, but not over 120 percent, are identified as requiring a special school facility payment from developers who choose to submit subdivision plans in these areas.

The tables that appear at the end of this chapter present the outcome of the Subdivision Staging Policy test based on the Board's requested FY17-22 CIP. The school test also requires a school facilities payment at the high school level in the Churchill, Blair, Einstein, Kennedy, Northwood, Wheaton, Gaithersburg, Walter Johnson, Richard Montgomery, Paint Branch, and Quince Orchard clusters; at the middle school level in the Gaithersburg and Rockville clusters; and at the elementary school level in Northwood and Quince Orchard clusters.

OPERATING BUDGET IMPACT

Operating budget impacts measure resources needed to maintain or operate new or modernized facilities. They include such elements as salaries for administrators and building

service workers and the cost of energy. They do not reflect teacher salaries because it is assumed that teachers already on staff would be transferred to fill positions in new schools.

According to MCPS standards and using FY17 dollars, each new 740 student elementary school will require approximately \$2.4 million in additional operating costs for the first year. These costs include salaries and employee benefits for 16.8 workyears of non-classroom positions. Each new 1,200 student middle school will require approximately \$4.0 million in additional operating costs for the first year. These costs include salaries and employee benefits for 33.3 workyears of non-classroom positions. A new 2,000 student high school is estimated to require approximately \$7.4 million in additional operating costs for the first year. These costs include salaries and employee benefits for 64.9 workyears of non-classroom positions.

STATUTORY AUTHORITY

Titles 3, 4, and 5 of the Education Article, Annotated Code of Maryland, govern the establishment of county boards of education, local school administration, and financing. Each county board is to maintain throughout its county a reasonably uniform system of public schools that is designed to provide quality education and equal educational opportunities for all children. Subtitle 3 of Title 5, State Aid for School Construction, provides for payment of certain public school construction and capital improvement costs by the State through its Public School Construction Program. The CIP review process for the public schools is governed by laws and regulations of the State of Maryland, the Montgomery County Charter, and the Board of Education's Policy on Long-Range Educational Facilities Planning.

FY17-22 Budgetary Assumptions of State Aid for School Construction (\$000s)

Projects by Category & Priority	FY16	FY17-22	FY17	FY18	FY19	FY20	FY21	FY22
Balance of Funding								
Weller Road ES	2,654	-	-	-	-	-	-	-
<i>Subtotal, Balance of Funding</i>	2,654	-	-	-	-	-	-	-
Construction Funding								
Bradley Hills ES	4,535	-	-	-	-	-	-	-
Damestown ES	3,202	-	-	-	-	-	-	-
Wyngate ES	2,838	-	-	-	-	-	-	-
Georgian Forest ES	2,785	-	-	-	-	-	-	-
Westbrook ES	2,947	-	-	-	-	-	-	-
Viens Mill ES	857	-	-	-	-	-	-	-
Galithersburg HS	39,586	15,121	15,121	-	-	-	-	-
Clarksburg Cluster ES	9,421	9,421	9,421	-	-	-	-	-
Bel Pre ES	8,838	8,838	8,838	-	-	-	-	-
Rock Creek Forest ES	10,246	10,246	10,246	-	-	-	-	-
Candlewood ES	7,441	7,441	7,441	-	-	-	-	-
Clarksburg/Damascus MS	8,021	12,121	12,121	-	-	-	-	-
William H. Farquhar MS	6,994	11,550	11,550	-	-	-	-	-
Wheaton HS	15,785	31,569	31,569	-	-	-	-	-
Julius West MS	6,361	3,305	3,305	-	-	-	-	-
Wood Acres ES	1,049	1,049	1,049	-	-	-	-	-
Wheaton Woods ES	-	7,692	3,846	3,846	-	-	-	-
Brown Station ES	-	7,975	3,988	3,987	-	-	-	-
Wayside ES	-	5,493	2,747	2,746	-	-	-	-
<i>Subtotal, Construction</i>	123,496	106,307	121,242	10,579	-	-	-	-
Planning & Construction								
Clarksburg HS	2,625	2,625	2,625	-	-	-	-	-
North Chevy Chase ES	1,519	1,519	1,519	-	-	-	-	-
Rosemary Hills ES	1,280	1,280	1,280	-	-	-	-	-
Bethesda ES	874	874	874	-	-	-	-	-
Arcola ES	854	854	854	-	-	-	-	-
Waters Landing ES	1,873	1,873	1,873	-	-	-	-	-
Bethesda/Chevy Chase MS	-	11,974	5,987	5,987	-	-	-	-
Thomas Edison HS of Technology	-	12,037	6,019	6,018	-	-	-	-
Seneca Valley HS	-	29,137	-	-	14,569	14,568	-	-
Northwest ES #8 (New)	-	7,090	-	3,545	3,545	-	-	-
Diamond ES	-	1,845	-	1,845	-	-	-	-
Richard Montgomery ES #5	-	7,753	-	3,877	3,876	-	-	-
Bethesda /Chevy Chase HS	-	5,789	-	2,895	2,894	-	-	-
North Bethesda MS	-	4,023	-	2,012	2,011	-	-	-
Lucy V. Barnsley ES	-	2,332	-	2,332	-	-	-	-
Kensington-Parkwood ES Addition	-	1,906	-	1,906	-	-	-	-
Brookhaven ES	-	1,145	-	-	1,145	-	-	-
Glen Haven ES	-	872	-	-	872	-	-	-
Highland ES	-	1,697	-	-	1,697	-	-	-
Kemp Mill ES	-	1,840	-	-	1,840	-	-	-
Sargent Shriver ES	-	810	-	-	810	-	-	-
Luxmanor ES	-	4,487	-	-	-	2,244	2,243	-
Maryvale ES	-	10,602	-	-	-	5,301	5,301	-
Potomac ES	-	4,574	-	-	2,287	-	-	-
Tilden @ Woodward MS	-	12,292	-	-	-	6,146	6,146	-
Wootton HS	-	22,826	-	-	11,413	11,413	-	-
Ashburton ES	-	3,610	-	-	3,610	-	-	-
Judith A. Resnik ES	-	5,756	-	-	5,756	-	-	-
Burtonsville ES	-	6,409	-	-	3,205	3,204	-	-
S. Christa McAuliffe ES	-	5,085	-	-	5,085	-	-	-
Coldspring ES	-	10,136	-	-	-	5,068	5,068	-
DuFief Mill ES	-	10,136	-	-	-	5,068	5,068	-
Belmont ES	-	10,136	-	-	-	5,068	5,068	-
Stonegate ES	-	10,136	-	-	-	5,068	5,068	-
Eastern MS	-	25,393	-	-	-	-	12,697	12,696
Poolesville HS	-	41,944	-	-	-	-	20,972	20,972
Damascus ES	-	12,506	-	-	-	-	6,253	6,253
Twinbrook ES	-	12,506	-	-	-	-	6,253	6,253
Summit Hall ES	-	12,506	-	-	-	-	6,253	6,253
Rosemary Hills ES	-	12,506	-	-	-	-	6,253	6,253
<i>Subtotal, Planning and Construction</i>	9,025	332,821	21,031	30,417	64,615	65,435	92,643	58,580
Countywide Projects								
Roof Replacement	1,447	2,168	2,168	-	-	-	-	-
HVAC/Electrical Replacement	3,964	5,415	5,415	-	-	-	-	-
Windows	-	102	102	-	-	-	-	-
Addition Projects (Outyears)	-	62,500	-	12,500	12,500	12,500	12,500	12,500
Systemic Projects (Outyears)	-	75,000	-	15,000	15,000	15,000	15,000	15,000
<i>Subtotal, Countywide</i>	5,411	145,185	7,685	27,500	27,500	27,500	27,500	27,500
Total, All Projects	140,586	609,827	149,958	68,496	92,115	92,935	120,143	86,180
Offset [1]	(94,689)	(276,827)	(94,458)	(12,996)	(36,615)	(37,435)	(64,643)	(30,680)
Total State Aid Assumed	45,917	333,000	55,500	55,500	55,500	55,500	55,500	55,500

NOTES

[1] This chart reflects outyear State Aid estimates from the MCPS November 2015 request to the State. Future annual request levels for State Aid will be based on State eligibility requirements and may exceed the amounts shown. In addition, anticipated changes to State funding formulas will affect amounts requested.

[2] Projects shown beyond FY17 do not yet have construction dollars approved. Expected funding requests are shown here.

[3] Offset reconciles specified project total costs with assumed State funding levels.

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MCPS Affordability Reconciliation (P056516)

Category Montgomery County Public Schools
 Sub Category Miscellaneous Projects
 Administering Agency Public Schools (AAGE18)
 Planning Area Countywide

Date Last Modified 11/17/14
 Required Adequate Public Facility No
 Relocation Impact None
 Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0
Other	-160,170	0	0	-160,170	-60,655	-52,716	-31,685	-83,945	-686	69,517	0
Total	-160,170	0	0	-160,170	-60,655	-52,716	-31,685	-83,945	-686	69,517	0
FUNDING SCHEDULE (\$000s)											
Current Revenue: General	-25,936	0	0	-25,936	-6,040	-4,012	-2,147	-4,568	-4,686	-4,483	0
G.O. Bonds	-134,234	0	0	-134,234	-54,615	-48,704	-29,538	-79,377	4,000	74,000	0
Total	-160,170	0	0	-160,170	-60,655	-52,716	-31,685	-83,945	-686	69,517	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	-6,040
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	FY 01
First Cost Estimate	
Current Scope	FY 17
Last FY's Cost Estimate	0

Description

This project reconciles the Board of Education's request with the County Executive's recommendation. Fiscal constraints lead the Executive to adjust the annual amounts to be affordable within the CIP. The Executive's recommendation increases funding \$24.4 million over the six-year period at the level of the amended FY15-20 CIP and increases funding over the approved full FY15-20 CIP by \$40.1 million. Moreover, funding for school construction (excluding Technology Modernization, Relocatable Classrooms, and Facility Planning) increases \$42.5 million above the amended FY15-20 CIP and \$50.3 million above the full FY15-20 CIP. The following issues should be considered by the Board in making its final recommendation: introduction of new revitalization/expansion projects prior to recommendations from the reconvened Facilities Assessment with Criteria and Testing Review Committee; balance between maintaining existing facilities through routine maintenance and reconstructing older facilities; and increased use of current revenue out of the operating budget context.

MCPS Funding Reconciliation (P076510)

Category
Job Category
Administering Agency
Planning Area

Montgomery County Public Schools
Miscellaneous Projects
Public Schools (AAGE18)
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

11/17/14
No
None
Ongoing

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	0	0	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0

FUNDING SCHEDULE (\$000s)

Current Revenue: Recordation Tax	134,210	22,947	-1,984	113,247	4,241	17,911	17,271	1,704	34,758	37,362	0
G.O. Bonds	-296,417	-95,886	1,674	-202,205	-5,775	-25,931	-20,898	-4,518	-70,174	-74,909	0
School Facilities Payment	1,359	0	0	1,359	1,359	0	0	0	0	0	0
Schools Impact Tax	160,848	72,939	310	87,599	175	8,020	3,627	2,814	35,416	37,547	0
Total	0	0	0	0	0	0	0	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	FY 07
First Cost Estimate	
Current Scope	FY 17
Last FY's Cost Estimate	0

Description

This project reconciles Board of Education's request with the CIP database by balancing funding components on the macro level. The entries here should be zeroed out after funding adjustments are made to individual projects by MCPS.

Fiscal Note

Adjustment figures reflect a funding switch of Recordation Tax, School Impact Tax, and School Facility Payment with GO Bonds.

State Aid Reconciliation (P896536)

Category
Sub Category
Administering Agency
Planning Area

Montgomery County Public Schools
Miscellaneous Projects
Public Schools (AAGE18)
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

11/17/14
No
None
Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0
FUNDING SCHEDULE (\$000s)											
G.O. Bonds	-391,829	-52,912	-5,917	-333,000	-55,500	-55,500	-55,500	-55,500	-55,500	-55,500	0
State Aid	391,829	52,912	5,917	333,000	55,500	55,500	55,500	55,500	55,500	55,500	0
Total	0	0	0	0	0	0	0	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	FY 96
First Cost Estimate	
Current Scope	FY 17
Last FY's Cost Estimate	0

Description

This project shows assumed State Aid for FY 2017 and beyond. When actual State Aid is known for specific projects, the amount of such aid is shown in those projects and then this PDF is zeroed out for the budget year. The budget assumes \$240 million in traditional State Aid for school construction. The recommended CIP also assumes \$93.0 million in State Aid for Local School Systems with Significant Enrollment Growth or Relocatable Classrooms. MCPS was allocated \$5.9 million of such funding in FY16 due to passage in April 2015 by the Maryland General Assembly of the Capital Grant Program for Local School Systems with Significant Enrollment Growth or Relocatable Classrooms. The recommended budget assumes that funding for this critical initiative will increase to \$15.5 million in FY17.

Justification

Since the 2007-2008 school year, MCPS enrollment has increased by 18,929 students, and MCPS has added approximately 14,000 additional seats. By the 2021-2022 school year, middle school enrollment is projected to increase by approximately 3,500 students, and high school enrollment by approximately 6,800 students, the equivalent of three middle schools of 1,200 students each and three high schools of 2,200 students each.

Public Schools (A18) asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

B-CC Cluster High School Capacity Review

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity	1,683	1,683	1,683	1,683	1,683	1,683	1,683	1,683
Enrollment	2,004	2,030	2,066	2,189	2,273	2,434	2,500	2,400
Space Available (deficit)	(321)	(347)	(383)	(506)	(590)	(751)	(817)	(717)
Utilization	119.1%	120.6%	122.8%	130.1%	135.1%	144.6%	148.5%	142.6%
Add B-CC HS Addition			724	724	724	724	724	724
Space Available (deficit) after addition	(321)	(347)	341	218	134	(27)	(93)	7
Utilization after addition	119.1%	120.6%	85.8%	90.9%	94.4%	101.1%	103.9%	99.7%

Comment: Without the addition project the cluster goes into moratorium and utilization skyrockets to over 144% by the end of the six-year period. Construction appropriation requested in FY17.

Council Staff Recommendation: B-CC HS Addition is a high priority project

B-CC Cluster Middle School Capacity Review

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity	1,097	2,027	2,027	2,027	2,027	2,027	2,027	2,027
Enrollment	1,375	1,676	1,782	1,781	1,802	1,774	1,900	1,900
Space Available (deficit)	(278)	351	245	246	225	253	127	127
Utilization	125.3%	82.7%	87.9%	87.9%	88.9%	87.5%	93.7%	93.7%
Space Available (deficit) after addition	(278)	351	245	246	225	253	127	127
Utilization after addition	125.3%	82.7%	87.9%	87.9%	88.9%	87.5%	93.7%	93.7%

Comment: B-CC Middle School #2 under construction.

Council Staff Recommendation: Approve. B-CC MS #2 is needed and is already under construction

Churchill Cluster Elementary School Capacity Review

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity	2,820	2,789	2,789	2,789	2,789	2,789	2,789	2,789
Enrollment	2,544	2,528	2,502	2,462	2,459	2,492	2,500	2,500
Space Available (deficit)	276	261	287	327	330	297	289	289
Utilization	90.2%	90.6%	89.7%	88.3%	88.2%	89.4%	89.6%	89.6%
Potomac ES Rev/Ex				124	124	124	124	124
Space Available (deficit) after addition	276	261	287	327	330	297	289	289
Utilization after addition	90.2%	90.6%	89.7%	88.3%	88.2%	89.4%	89.6%	89.6%

Comment: Wayside ES rev/ex under construction. Potomac ES rev/ex in planning. Not an urgent capacity issue.

Council Staff Recommendation: Potomac ES Rev/Ex in approved queue, but capacity increase not urgent.

Clarksburg Cluster High School Capacity Review

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity	2,025	2,025	2,025	2,025	2,025	2,025	2,025	2,025
Enrollment	1,993	2,041	2,176	2,319	2,399	2,560	2,700	2,900
Space Available (deficit)	32	(16)	(151)	(294)	(374)	(535)	(675)	(875)
Utilization	98.4%	100.8%	107.5%	114.5%	118.5%	126.4%	133.3%	143.2%
Move Students to Seneca Valley HS after Rev/Ex				563	563	563	563	563
Space Available (deficit) after reassignment	32	(16)	(151)	269	189	28	(112)	(312)
Utilization after reassignment	98.4%	100.8%	107.5%	89.6%	92.7%	98.9%	104.3%	112.1%

Comment: The High School addition opened in August 2015. However, even with the addition, utilization will hit 126% in FY22. The Seneca Valley Rev/Ex can provide space for students from Clarksburg, Watkins Mill, and Northwest HS.

Council Staff Recommendation: Seneca Valley Rev/Ex is a high priority capacity project.

Clarksburg Cluster Elementary School Capacity Review

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity	3,782	3,782	3,782	3,782	3,782	3,782	3,782	3,782
Enrollment	4,125	4,197	4,205	4,219	4,253	4,287	4,800	5,200
Space Available (deficit)	(343)	(415)	(423)	(437)	(471)	(505)	(1,018)	(1,418)
Utilization	109.1%	111.0%	111.2%	111.5%	112.4%	113.3%	126.9%	137.5%

Clarksburg Cluster ES (Clarksburg Village Site #2)

740 740 740 740 740

Space Available (deficit) after additions	(343)	(415)	(423)	303	269	235	(278)	(678)
Utilization after additions	109.1%	111.0%	111.2%	93.3%	94.0%	94.8%	106.1%	115.0%

Comment: The Clarksburg Cluster ES (CV Site #2) project is in planning. Without the school, the cluster will be over 113% by FY22.

Council Staff Recommendation: This school is needed but is a medium priority, since a delay would not cause a moratorium.

Downcounty Consortium (Blair HS) Elementary School Capacity Review

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity (Blair Only)	4,330	4,330	4,330	4,330	4,330	4,330		
Enrollment (Blair Only)	4,789	4,821	4,809	4,751	4,697	4,701		
Space Available (deficit)	(459)	(491)	(479)	(421)	(367)	(371)		
Utilization	110.6%	111.3%	111.1%	109.7%	108.5%	108.6%		

East Silver Spring ES Addition

97 97

Piney Branch ES Addition

138

Montgomery Knolls ES Addition

108 108

Pine Crest ES Addition

207 207

Space Available (deficit) after additions

(459) (491) (479) (421) 45 179

Utilization after additions 110.6% 111.3% 111.1% 109.7% 103.6% 100.6%

Comment: 4 addition projects are in the approved CIP and proposed to remain on schedule by the Board. However, even without any of the projects, the cluster would still not go in moratorium. However, the Mont. Knolls and Pine Crest additions are intended to relieve Forest Knolls ES. East SS addition is intended to relieve Rolling Terrace.

Council Staff Recommendation: High Priority projects consistent with a comprehensive capacity study done last year.

Downcounty Consortium (Blair HS) Middle School Capacity Review

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity (Blair Only)	2,354	2,354	2,354	2,354	2,354	2,354		
Enrollment (Blair Only)	2,371	2,452	2,542	2,727	2,823	2,878		
Space Available (deficit)	(17)	(98)	(188)	(373)	(469)	(524)		
Utilization	100.7%	104.1%	108.0%	115.8%	119.9%	122.2%		

Takoma Park MS Addition

559 559

Space Available (deficit) after additions

(17) (98) (188) (373) 90 35

Utilization after additions 100.7% 104.1% 108.0% 115.8% 96.9% 98.8%

Comment: Cluster will be in moratorium without this project.

Council Staff Recommendation: High Priority project.

Downcounty Consortium (Einstein HS) Elementary School Capacity Review

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity (Einstein Area Only)	2,847	2,847	2,847	2,847	2,847	2,847		
Enrollment (Einstein Area Only)	3,074	3,076	3,103	3,082	3,082	3,057		
Space Available (deficit)	(227)	(229)	(256)	(235)	(235)	(210)		
Utilization	108.0%	108.0%	109.0%	108.3%	108.3%	107.4%		

Woodlin ES Addition

172 172

Space Available (deficit) after additions

(227) (229) (256) (235) (63) (38)

Utilization after additions 108.0% 108.0% 109.0% 108.3% 102.1% 101.3%

Comment: The cluster is currently in a school facility payment status. The addition brings the cluster to 101.3%.

Council Staff Recommendation: Medium priority.

Downcounty Consortium High School Capacity Issues

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity	9,553	9,553	9,553	9,553	9,553	9,553	9,553	9,553
Enrollment	9,555	9,980	10,148	10,436	10,977	11,332	12,100	11,600
Space Available (deficit)	(2)	(427)	(595)	(883)	(1,424)	(1,779)	(2,547)	(2,047)
Utilization	100.0%	104.5%	106.2%	109.2%	114.9%	118.6%	126.7%	121.4%

Wheaton HS shell space 540 540 540

Space Available (Deficit) after addition	(2)	(427)	(595)	(883)	(1,424)	(1,239)	(2,007)	(1,507)
Utilization after addition	100.0%	104.5%	106.2%	109.2%	114.9%	112.3%	119.9%	114.9%

Comment: MCPS is planning a roundtable discussion to gather input on a range of options to address overutilization in the cluster.

Council Staff Recommendation: Support the roundtable discussion. Leave the Cluster Solution Projects for Northwood and Einstein in the CIP pending the outcome to avoid a moratorium.

Walter Johnson Cluster Elementary School Capacity Review

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity	3,812	3,812	3,812	3,812	3,812	3,812	3,812	3,812
Enrollment	4,345	4,424	4,471	4,457	4,483	4,513	4,800	4,800
Space Available (deficit)	(533)	(612)	(659)	(645)	(671)	(701)	(988)	(988)
Utilization	114.0%	116.1%	117.3%	116.9%	117.6%	118.4%	125.9%	125.9%

Luxmanor ES Mod (seat deficit w/o mod in FY20 = 151) 317 317 317 317 317

Ashburton ES Addition (new) (seat deficit w/o add. In FY20 = 153) 229 229 229 229 229

Kensington-Parkwood ES Addition 274 274 274 274 274

Space Available (deficit) after mod and additions (533) (612) (385) 175 149 119 (168) (168)

Utilization after mod and additions 114.0% 116.1% 109.4% 96.2% 96.8% 97.4% 103.6% 103.6%

Comment: Without these projects, the utilization comes very close to 120%. However, any one project moving forward addresses this immediate problem. Ashburton ES and K-P additions are needed to relieve crowding at the two schools but the cluster overall is in better shape.

Council Staff Recommendation: One or more of these projects is needed to avoid moratorium. However, each could be deferred one or two years and still be completed in time to avoid moratorium.

Walter Johnson Cluster Middle School Capacity Review

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity	1,803	1,803	1,803	1,803	1,803	1,803	1,803	1,803
Enrollment	2,072	2,142	2,192	2,230	2,288	2,313	2,600	2,500
Space Available (deficit)	(269)	(339)	(389)	(427)	(485)	(510)	(797)	(697)
Utilization	114.9%	118.8%	121.6%	123.7%	126.9%	128.3%	144.2%	138.7%

North Bethesda Middle School Addition 365 365 365 365 365

Tilden MS Rev/Ex 261 261 261 261

Space Available (deficit) after mod and addition (269) (339) (24) (62) 141 116 (171) (71)

Utilization after mod and addition 114.9% 118.8% 101.1% 102.9% 94.2% 95.2% 107.0% 102.9%

Comment: The addition project would drop utilization close to 100%. The rev/ex brings utilization down to 95.2%. Addition project could be deferred w/o causing the cluster to slip into moratorium. However the tight site allow for only up to 6 relocatable classrooms.

Council Staff Recommendation: High Priority projects, but some deferrals possible.

Walter Johnson Cluster High School Capacity Review

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity	2,335	2,335	2,335	2,335	2,335	2,335	2,335	2,335
Enrollment	2,304	2,356	2,466	2,649	2,763	2,865	3,000	3,100
Space Available (deficit)	31	(21)	(131)	(314)	(428)	(530)	(665)	(765)
Utilization	98.7%	100.9%	105.6%	113.4%	118.3%	122.7%	128.5%	132.8%

Comment: MCPS is planning a roundtable discussion to gather input on a range of options to address overutilization in the cluster.

Council Staff Recommendation: Support the roundtable discussion. Leave the project in the CIP pending the outcome to avoid a moratorium.

Magruder Cluster Elementary School Capacity Review

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity	2,652	2,635	2,635	2,635	2,635	2,635	2,635	2,635
Enrollment	2,603	2,637	2,618	2,600	2,611	2,609	2,700	2,700
Space Available (deficit)	49	(2)	17	35	24	26	(65)	(65)
Utilization	98.2%	100.1%	99.4%	98.7%	99.1%	99.0%	102.5%	102.5%
					224	224	224	224
Space Available (deficit) after additions	49	(2)	17	35	248	250	159	159
Utilization after additions	98.2%	100.1%	99.4%	98.7%	91.3%	91.3%	94.4%	94.4%

Comment: Enrollment is down overall in the cluster and expected to remain flat for 8 years. The new addition at Resnik ES would drop utilization below 100 percent. Space is needed at Resnik, but overall the cluster is in better shape than most. Consider non-capital solutions

Council Staff Recommendation: This addition is a Low priority.

Northeast Consortium ES (Paint Branch Cluster)

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity	2,252	2,252	2,252	2,252	2,252	2,252	2,252	2,252
Enrollment	2,630	2,635	2,618	2,567	2,588	2,570	-	-
Space Available (deficit)	(378)	(383)	(366)	(315)	(336)	(318)	2,252	2,252
Utilization	116.8%	117.0%	116.3%	114.0%	114.9%	114.1%	0.0%	0.0%
Burtonsville ES Addition (approved)					251	251	251	251
Greencastle ES Addition (new request)					143	143	143	143
Space Available (deficit) after additions	(378)	(383)	(366)	(315)	58	76	2,646	2,646
Utilization after additions	116.8%	117.0%	116.3%	114.0%	97.8%	97.1%	0.0%	0.0%

Comment: Both addition projects are at schools where the latest enrollment projections are down somewhat. Although the projects are needed, a moratorium is not projected without them.

Council Staff Recommendation: Both projects are needed but are a medium priority and could be deferred if needed.

Northwest Cluster Elementary School Capacity Review

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity	3,527	3,527	3,527	3,527	3,527	3,527	3,527	3,527
Enrollment	4,107	4,082	4,058	4,019	4,053	4,069	4,100	4,100
Space Available (deficit)	(580)	(555)	(531)	(492)	(526)	(542)	(573)	(573)
Utilization	116.4%	115.7%	115.1%	113.9%	114.9%	115.4%	116.2%	116.2%
Northwest ES #8					740	740	740	740
Diamond ES Addition			207	207	207	207	207	207
Space Available (deficit) after additions	(580)	(555)	(324)	(285)	421	405	374	374
Utilization after additions	116.4%	115.7%	108.7%	107.6%	90.6%	90.9%	91.6%	91.6%

Comment: BOE proposal delayed Northwest ES #8 two years and noted that it will consider alternatives. Diamond ES addition is proposed to remain on schedule with a construction appropriation requested for FY17. Utilization is high without both projects, but no moratorium is projected.

Council Staff Recommendation: Concur with the Board's delay of Northwest ES #8 but unclear why the costs were cut in half. Diamond ES has a significant space deficit but the addition could be deferred if necessary.

Rockville Cluster Elementary School Capacity Review

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210
Enrollment	2,728	2,693	2,679	2,645	2,629	2,580	2,600	2,600
Space Available (deficit)	(518)	(483)	(469)	(435)	(419)	(370)	(390)	(390)
Utilization	123.4%	121.9%	121.2%	119.7%	119.0%	116.7%	117.6%	117.6%
Maryvale ES Mod (seat deficit w/o mod in FY20 = 71)				152	152	152	152	152
Lucy V. Barnsley ES addition (new) (seat deficit w/o add in FY20 = 226)			274	274	274	274	274	274
Space Available (deficit) after additions	(518)	(483)	(195)	(9)	7	56	36	36
Utilization after additions	123.4%	121.9%	107.9%	100.3%	99.7%	97.9%	98.6%	98.6%

Comment: The modernization and the addition are needed to prevent the cluster from edging near moratorium. The effect of both projects is to bring the cluster below 100% utilization. FY17 appropriation is requested to begin the Barnsley ES Addition construction. Maryvale is in design.

Council Staff Recommendation: Both projects are needed, but one or both could be deferred 1 or 2 years and still avoid moratorium. Consider the mod project in the context of the Committee's review of the full modernization schedule.

Seneca Valley Cluster Elementary School Capacity Review

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity	2,194	2,194	2,194	2,194	2,194	2,194	2,194	2,194
Enrollment	2,435	2,461	2,506	2,502	2,541	2,537	2,600	2,600
Space Available (deficit)	(241)	(267)	(312)	(308)	(347)	(343)	(406)	(406)
Utilization	111.0%	112.2%	114.2%	114.0%	115.8%	115.6%	118.5%	118.5%

S. Christa McAuliffe ES addition (new) (seat deficit w/o add in FY20 = 164)

231 231 231 231 231

Space Available (deficit) after addition

(241) (267) (312) (77) (116) (112) (175) (175)

Utilization after addition

111.0% 112.2% 114.2% 103.2% 104.8% 104.6% 107.2% 107.2%

Comment: The addition drops the utilization below 105%.

Council Staff Recommendation: High priority project. Deferral would not lead to moratorium but would continue significant overcrowding. Project delay could be done without affecting SSP test in FY22.

Whitman Cluster Middle School Capacity Review

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289
Enrollment	1,513	1,497	1,552	1,554	1,561	1,511	1,550	1,500
Space Available (deficit)	(224)	(208)	(263)	(265)	(272)	(222)	(261)	(211)
Utilization	117.4%	116.1%	120.4%	120.6%	121.1%	117.2%	120.2%	116.4%

Pyle Middle School Addition

213 213 213 213

Space Available (deficit) after addition

(224) (208) (263) (265) (59) (9) (48) 2

Utilization after additions

117.4% 116.1% 120.4% 120.6% 103.9% 100.6% 103.2% 99.9%

Comment: Cluster goes into moratorium without this project.

Council Staff Recommendation: High priority project needed to avoid moratorium.

Whitman Cluster High School Capacity Review

	FY17	FY18	FY19	FY20	FY21	FY22	2025	2030
Approved Cluster Capacity	1,891	1,891	1,891	1,891	1,891	1,891	1,891	1,891
Enrollment	2,075	2,118	2,196	2,202	2,184	2,231	2,400	2,300
Space Available (deficit)	(184)	(227)	(305)	(311)	214	167	(2)	98
Utilization	109.7%	112.0%	116.1%	116.4%	115.5%	118.0%	126.9%	121.6%

Whitman HS Addition

507 507 507 507

Space Available (deficit) after addition

(184) (227) (305) (311) 721 674 505 605

Utilization after additions

109.7% 112.0% 116.1% 116.4% 91.1% 93.0% 100.1% 95.9%

Comment: Cluster will be on the edge of moratorium without this project.

Council Staff Recommendation: High priority project.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Capital Project	Major Element	Notes	Acceptable Life Span (Years)	Inventory	Units	How much/many should be replaced annually	Average Cost	Acceptable Annual Replacement Cost	CIP			Backlog	Criticality Rating
										FY16 Approved	FY17 Request	Future Funding Level		
2														
26	Montgomery County Public Schools													
27	Infrastructure Maintenance: Capital Improvements Program													
28														
29	Fire Safety	Life Safety Equip	Fire Alarm Systems	15	223	systems	15	\$140,000	\$2,100,000	\$1,500,000	\$2,000,000	Higher	\$8,000,000	5
30			Fire Pumps	20	15	each	1	\$50,000	\$37,500	\$50,000	\$50,000		\$100,000	5
31			Kitchen hoods	30	141	each	5	\$92,000	\$460,000	\$0	\$0			5
32			Fall Protection	30	223	schools	25	\$35,000	\$875,000	\$550,000	\$550,000		\$4,941,504	4
33			Suppression systems	15	141	systems	9	\$18,500	\$166,500	\$0	\$0		\$234,000	5
34	Life Safety Total	Life Safety Total						\$335,500		\$2,100,000	\$2,600,000	Higher	\$13,275,504	
35	PLAR: Door/Window	Exterior Doors/ Hollow metal doors		30	266,000	sf	8,933	\$161	\$1,438,213	\$515,000	\$200,000		\$82,449,292	3
36		Exterior Windows		30	1,225,000	sf	40,833	\$107	\$4,369,131	\$450,000	\$550,000			3
37		Interior Doors/Solid wood doors		20	1,275,000	sf	63,750	\$59	\$3,761,250	\$100,000	\$50,000			2
38	PLAR: Electrical	Elec Service/ Distribution		35	24,752,453	sf	707,213	\$6	\$4,243,278	\$175,000	\$25,000	Higher	\$178,848,791	4
39		Emergency Light and Power		25	24,752,453	sf	990,098	\$17	\$16,831,666	\$550,000	\$600,000			5
40		Lighting and Branch Wiring		20	24,752,453	sf	1,237,623	\$17	\$21,039,591	\$125,000	\$250,000			4
41		Other Electrical Systems		15	24,752,453	sf	1,650,164	\$6	\$9,900,984	\$150,000	\$700,000			4
42	PLAR: Electronics	Electronics	Stage Lighting, Security System, PA, Library Gates, Sound Systems	20	603	systems	30	\$220,000	\$6,600,000	\$225,000	\$650,000	Higher	\$10,346,311	5
43	PLAR: Elevators	Building Elevators		20	197	each	10	\$305,000	\$3,050,000	\$0	\$0	Higher	\$23,446,000	4
44		Handicap Lifts		15	111	each	7	\$35,000	\$245,000	\$0	\$0	Higher	\$2,595,000	4

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Capital Project	Major Element	Notes	Acceptable Life Span (Years)	Inventory	Units	How much/many should be replaced annually	Average Cost	Acceptable Annual Replacement Cost	CIP		Future Funding Level	Backlog	Criticality Rating
2										FY16 Approved	FY17 Request			
45	PLAR: Finishes	Ceiling		20	24,752,453	sf	1,237,623	\$9	\$11,138,607	\$350,000	\$350,000	Higher	\$120,217,308	1
46		Floor		20	24,752,453	sf	1,237,623	\$8	\$9,900,984	\$675,000	\$465,000			2
47		Wall		10	53,631,732	sf	5,363,173	\$4	\$21,452,692	\$750,000	\$1,500,000			1
48	PLAR: Plumbing	System		35	24,752,453	sf	707,213	\$13	\$9,193,769	\$475,000	\$200,000	Higher	\$106,957,054	4
49		(Non Restroom) fixtures		25	24,752,453	sf	990,098	\$14	\$13,861,372	\$150,000	\$130,000			4
50	PLAR: Equipment	Lockers		20	67	schools	3	\$350,000	\$1,050,000	\$400,000	\$200,000	Higher	\$6,025,720	2
51		Playground		20	570	pieces	29	\$40,650	\$1,178,850	\$450,000	\$650,000		\$8,254,893	2
52	PLAR: Site	Pavement	Parking lot/driveway	20	23,013,198	sf	1,150,660	\$12	\$13,807,920	\$1,100,000	\$500,000	Higher	\$6,970,000	3
53		Curb/Gutter/Sidewalks		30	4,223,000	lf	140,767	\$12	\$1,689,204	\$250,000	\$1,500,000			2
54		Paved play area	Tennis/Basketball	20	10,246,000	sf	512,300	\$12	\$6,147,600	\$1,300,000	\$300,000	Higher	\$50,000	1
55		Indoor Bleachers		30	64	each	2	\$125,000	\$250,000	\$100,000	\$0			1
56		Outdoor Bleacher/Grandstand		30	26	each	1	\$825,000	\$825,000	\$150,000	\$150,000			3
57		Fencing		30	1,548,460	lf	51,615	\$17	\$877,455	\$75,000	\$250,000			2
58		Athletic fields	Baseball, soccer, Football	20	273	fields	14	\$210,000	\$2,940,000	\$675,000	\$1,205,000			2
59		Stormwater Mgmt		45	160	schools	4	\$30,000	\$120,000	\$560,000	\$575,000			2
60	PLAR: QZAB Funding	QZAB funding (State)								\$901,000				
61	PLAR: ASP Funding	ASP Funding (State)								\$603,000				
62	PLAR: Total	PLAR Subtotal							\$165,912,566	\$9,750,000	\$11,000,000		\$561,660,369	
63	HVAC	Chillers		25	274	each	11	\$260,000	\$2,860,000	\$2,000,000	\$3,000,000	Higher		5
64		Distribution Systems		30	24,752,453	sf	825,082	\$26	\$21,452,132	\$11,100,000	\$20,300,000	Higher		5
65		Boilers		25	446	each	18	\$155,000	\$2,790,000	\$1,300,000	\$3,100,000	Higher		5
66		Air Handling Units		20	970	each	49	\$87,000	\$4,263,000	\$1,600,000	\$3,600,000	Higher		5
67	HVAC: Total	HVAC Subtotal							\$31,365,132	\$16,000,000	\$30,000,000	Higher	\$167,847,000	5
68	Restroom Renovation	Plumbing fixtures (restrooms)		25	16,725	each	669	\$850	\$568,650	\$750,000	\$2,000,000	Higher	\$6,217,500	4
69		Specialized Finishes		20	3,045	rest-rooms	152	\$13,880	\$2,109,760	\$250,000	\$500,000	Higher	\$7,220,800	2
70	Restroom: Total								\$2,678,410	\$1,000,000	\$2,500,000		\$13,438,300	

	A	B	C	D	E	F	G	H	I	J	K	L	M	
1	Capital Project	Major Element	Notes	Acceptable Life Span (Years)	Inventory	Units	How much/many should be replaced annually	Average Cost	Acceptable Annual Replacement Cost	CIP			Backlog	Criticality Rating
2										FY16 Approved	FY17 Request	Future Funding Level		
71	Energy Mgt System	EMS	Energy Mgt System	20	206	systems	10	\$146,436	\$1,464,360	\$2,057,000	\$2,057,000		\$5,125,260	4
72	Roof Replacement	Roof	Roof Replacement	20	16,587,588	sf	829,379	\$20	\$16,587,580	\$8,000,000	\$12,000,000	Higher	\$29,506,000	5
73		Subtotal							\$218,008,048	\$38,907,000	\$60,157,000		\$790,852,433	
74	Modernization capital funding discounted for infrastructure renewal only									\$90,490,500	\$91,345,500			
75	(Capital construction PDF costs discounted by 25% for facility changes for growth and program enhancements)													
76		Total							\$218,008,048	\$129,397,500	\$151,502,500		\$790,852,433	
77														

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