


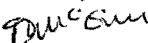
ED COMMITTEE #1  
January 14, 2010

**Briefing**

**M E M O R A N D U M**

January 12, 2010

TO: Education Committee

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

SUBJECT: **Briefing: Montgomery County Public Schools (MCPS) Presentation on Enrollment and Demographic Trends**

On January 14, Bruce Crispell, MCPS' Director of the Division of Long-Range Planning will brief the Education Committee on MCPS' latest enrollment and demographic trends. Slides for this briefing are attached on ©1-19.

**Background**

As part of the Superintendent's Recommended Capital Budget submission due to the Board of Education by November 1 of each year, MCPS prepares six-year enrollment projections by school based on preliminary September 30 enrollment for the current school year, planning and forecasting data from the Maryland-National Park and Planning Commission, and other research by MCPS staff. MCPS staff consider many factors in projecting enrollment including: birth rates, enrollment progressions through each grade, and the migration of students in and out of Montgomery County.

***Operating Budget:*** In the Operating Budget, total enrollment affects State Maintenance of Effort (MOE) requirements. Total enrollment projections for the upcoming school year also drive budget targets for the number of teachers needed and teacher recruitment in the spring.

***Capital Improvements Plan (CIP):*** In the CIP, large overall changes in total enrollment may or may not have an impact on individual capital projects, since MCPS has approximately 200 schools over which these changes are spread. Therefore, from a CIP perspective, a micro review (i.e. a school by school and cluster review) of enrollment is more relevant. This micro review is part of Council staff's analysis when reviewing each school capacity project included by MCPS in its requested CIP.

***Annual Growth Policy:*** The year six enrollment projections (School Year 2015-2016, FY16 for this year's projections) by school level and cluster form the key data of the Public

Schools Adequacy Test within the Annual Growth Policy. The slide on circle 14 shows a preliminary assessment of the schools test for the upcoming six-year period if the Council adopted the Board's CIP proposal as requested. A total of eight clusters would be over 105% utilization, requiring the school facility payment, and one cluster (Richard Montgomery) would be over 120% utilization, putting it into moratorium as of July 1, 2010.

### Demographic Trends

In terms of demographics, the County's school population continues to get more ethnically and economically diverse. For the 2009-2010 School Year:

- 29.3 percent of MCPS students participate in FARMS (Free and Reduced Meals). The chart on circle 3 shows that the number of participating student has risen sharply since 2005. For the 2008-2009 school year, 27.1 percent of students were enrolled in FARMS.
- 12.5 percent of MCPS students participate in ESOL language programs. Circle 3 shows that this trend is also increasing sharply, primarily at the elementary level. For the 2008-2009 school year, 11.2 percent of students participated in ESOL programs.

### 2009-10 Actual Enrollment and Outyear Projections

The chart below shows current enrollment projections compared to last year's enrollment projections.

<b>Current Enrollment Projections Compared to Last Year's Enrollment Projections</b>								
	08-09 FY09*	09-10 FY10	10-11 FY11	11-12 FY12	12-13 FY13	13-14 FY14	14-15 FY15	15-16 FY16
Prelim. 9/30/2008 Projections	139,276	140,500	140,782	141,536	142,422	143,591	144,932	n/a
Prelim. 9/30/2009 Projections**	139,276	141,777	143,309	144,356	145,241	146,048	146,922	148,043
Change from last year's same year projections percent change	n/a n/a	1,277 0.9%	2,527 1.8%	2,820 2.0%	2,819 2.0%	2,457 1.7%	1,990 1.4%	n/a n/a
Latest Projected Change from Prior Fiscal Year percent change	1,531 1.1%	2,501 1.8%	1,532 1.1%	1,047 0.7%	885 0.6%	807 0.6%	874 0.6%	1,121 0.8%

\*FY09 numbers are actuals

\*\*FY10 number is September 30 Official Enrollment.

Council staff notes the following:

- The upper section of the chart presents MCPS' Fall 2008 projections and the most recent projections from Fall 2009. The latest projections assume enrollment will continue to increase across the six-year period, with somewhat smaller increases projected in the outyears. This results in a projected increase of nearly 7,000 students by FY16.
- As shown in the middle section of the chart, enrollment projections for each year are up by 1% to 2% across all years compared to last year's projections for these same years. Historically, MCPS projections have been accurate within 1% to 2% of actual enrollment. However even these small percentage differences in such a large school system can translate into changes in a given year in the thousands of students.

- The third section of the chart shows the latest year-to-year projected changes in enrollment. While the percentage increases projected from year to year are fairly small, the impacts can still be significant. With respect to Maintenance of Effort, for example, a 1,000 student increase at a per pupil cost of \$11,249 (the FY09 MOE level) would increase MOE by over \$11 million.

### **Requested FY11-16 CIP**

Also included in the attached presentation is a summary of the Board of Education's capital request which will be discussed by the Education Committee later in February (circles 15-19). In addition to the capacity projects already in the Approved FY09-14 CIP, there are two new school projects (Clarksburg Cluster ES and Clarksburg/Damascus MS) appearing in the FY11-16 Proposed CIP. There are also 9 new addition projects. There is no change proposed for the modernization schedule. Although not highlighted in the presentation, the Proposed CIP also includes substantial increases in the levels of effort of a number of systemic projects (such as HVAC, Roofs, PLAR, and others), outyear funding for two new bus depot projects (Clarksburg Depot Expansion and Shady Grove Depot Replacement) and additional funding in the Rehab/Renovation of Closed Schools projects for the reopening of Broome Junior High School and the reuse of Woodward High School as holding facilities.

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# Enrollment Trends and Overview of School Capacity Issues

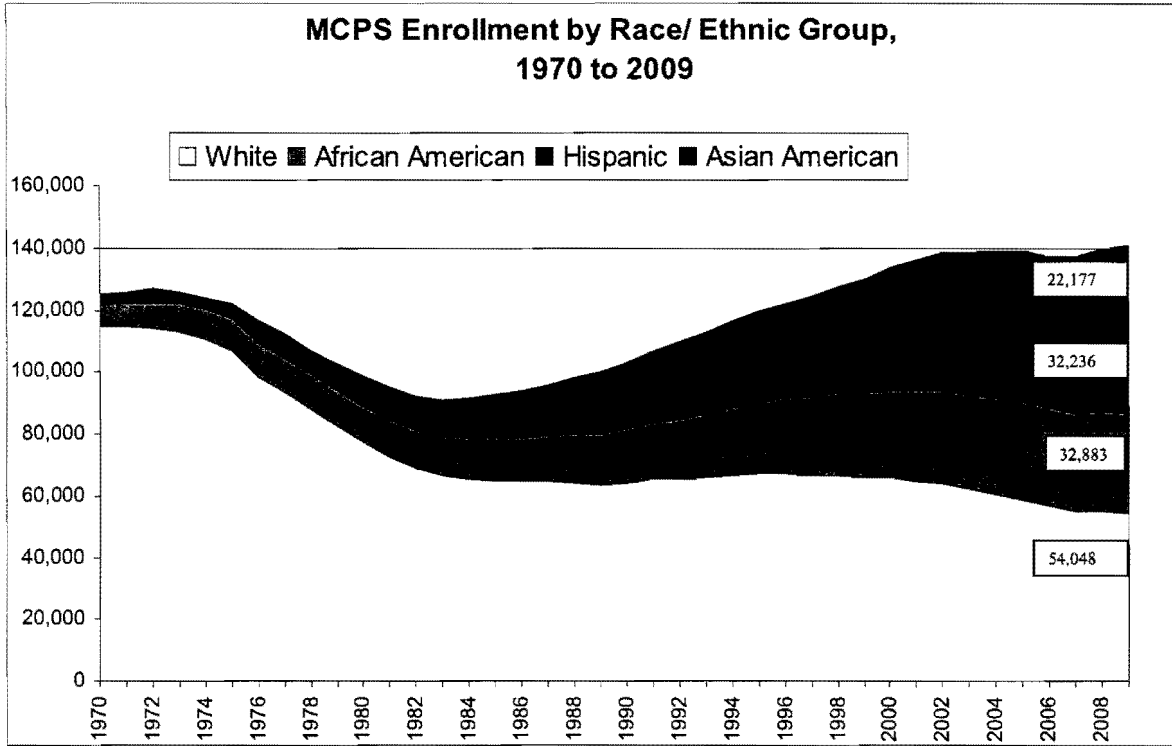
Presented to the Montgomery County Council  
Education Committee

January 14, 2010

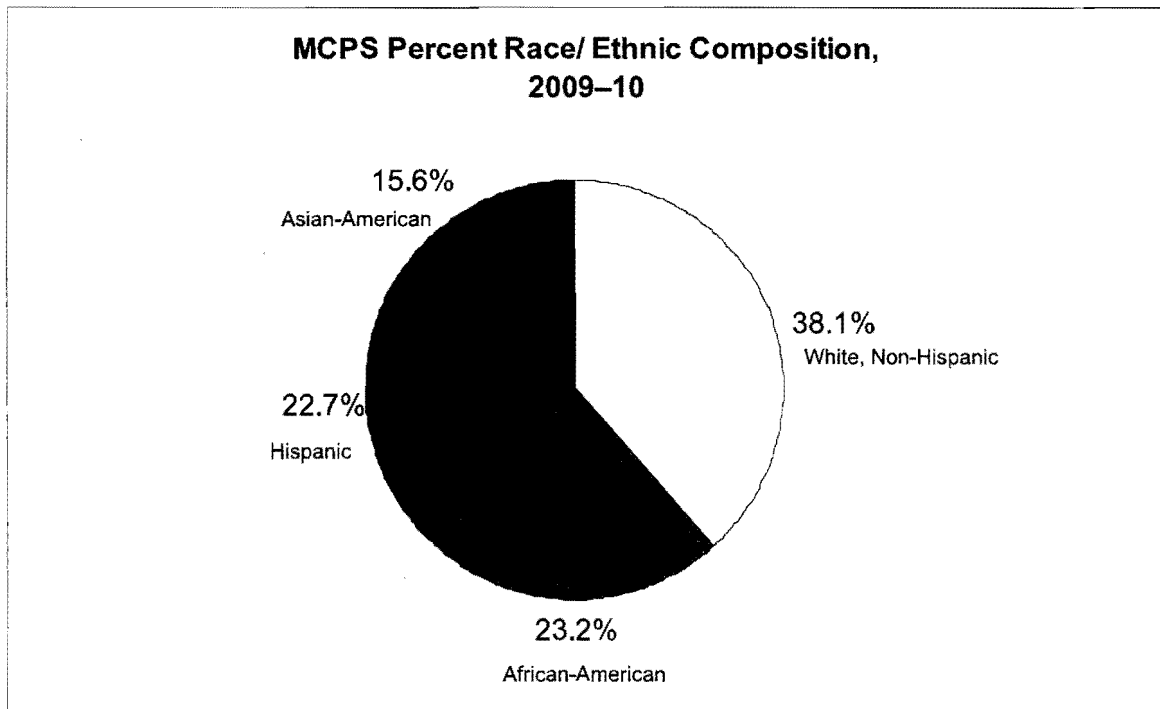


## Demographics of Enrollment

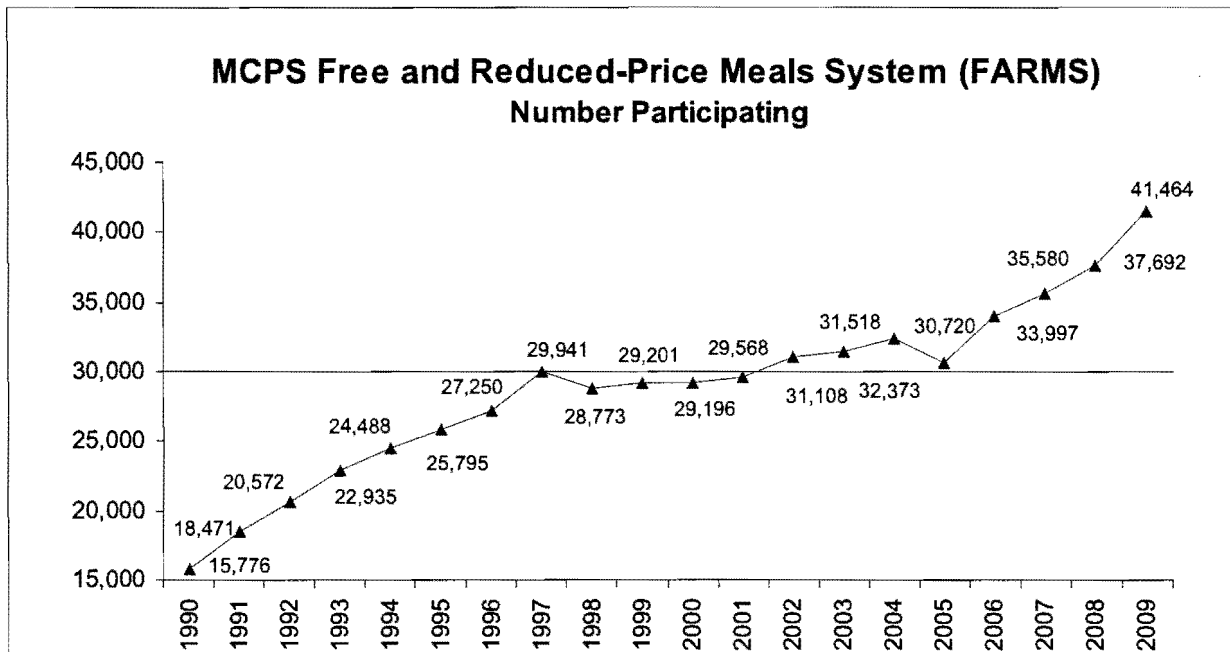
# Student Diversity Drives Enrollment Growth



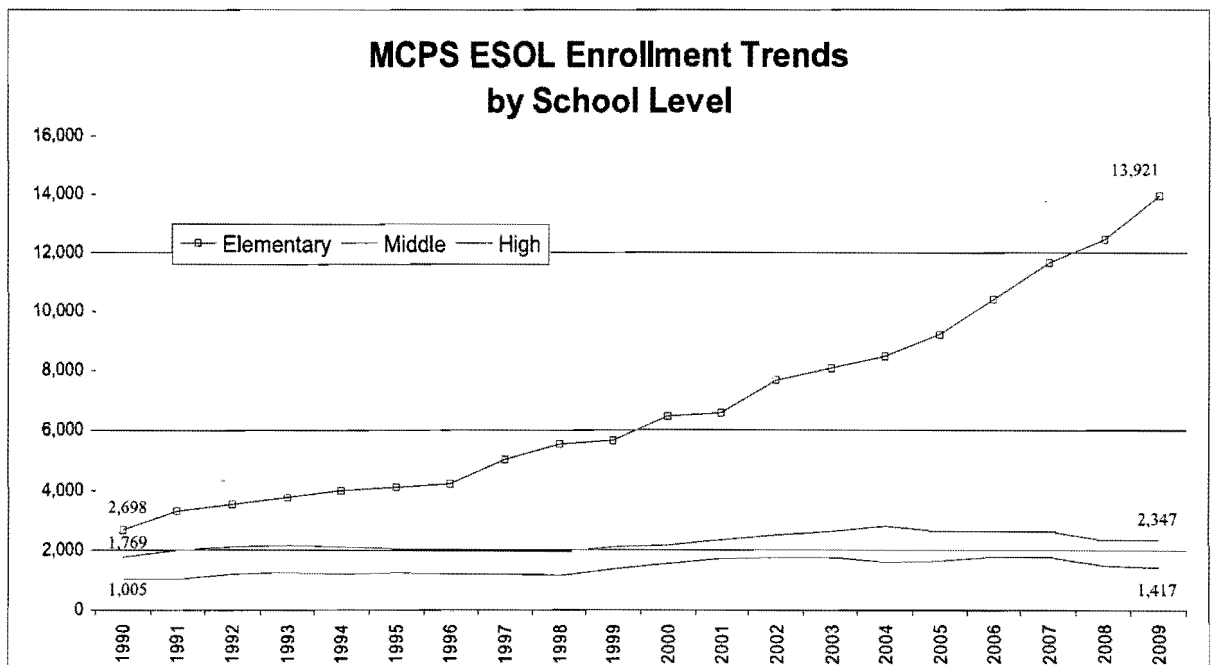
# Race/ Ethnic Trends



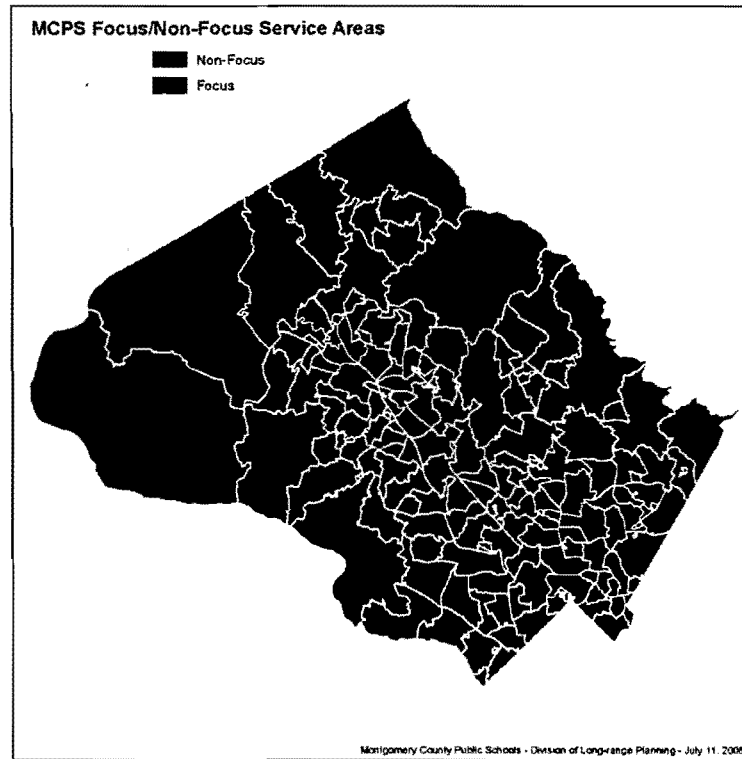
## 29.3% of MCPS Students Participate in FARMS Program in 2009–10



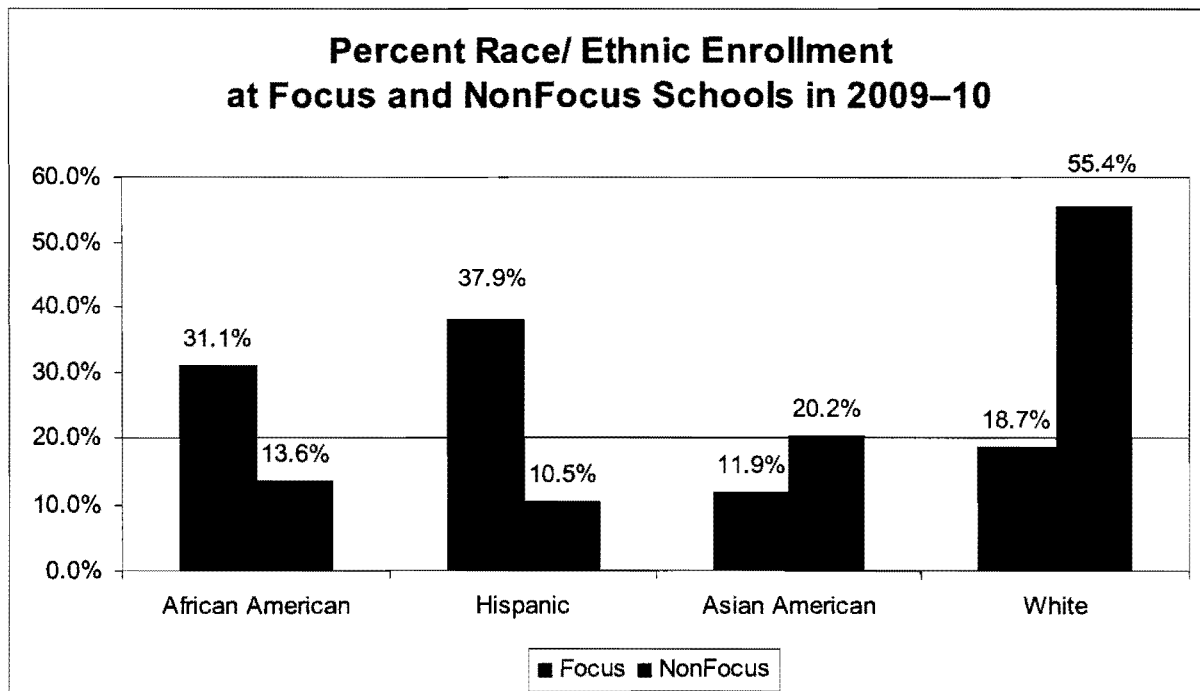
## 12.5% of MCPS Students in ESOL Program in 2009–10 160 Countries and 140 Languages Represented



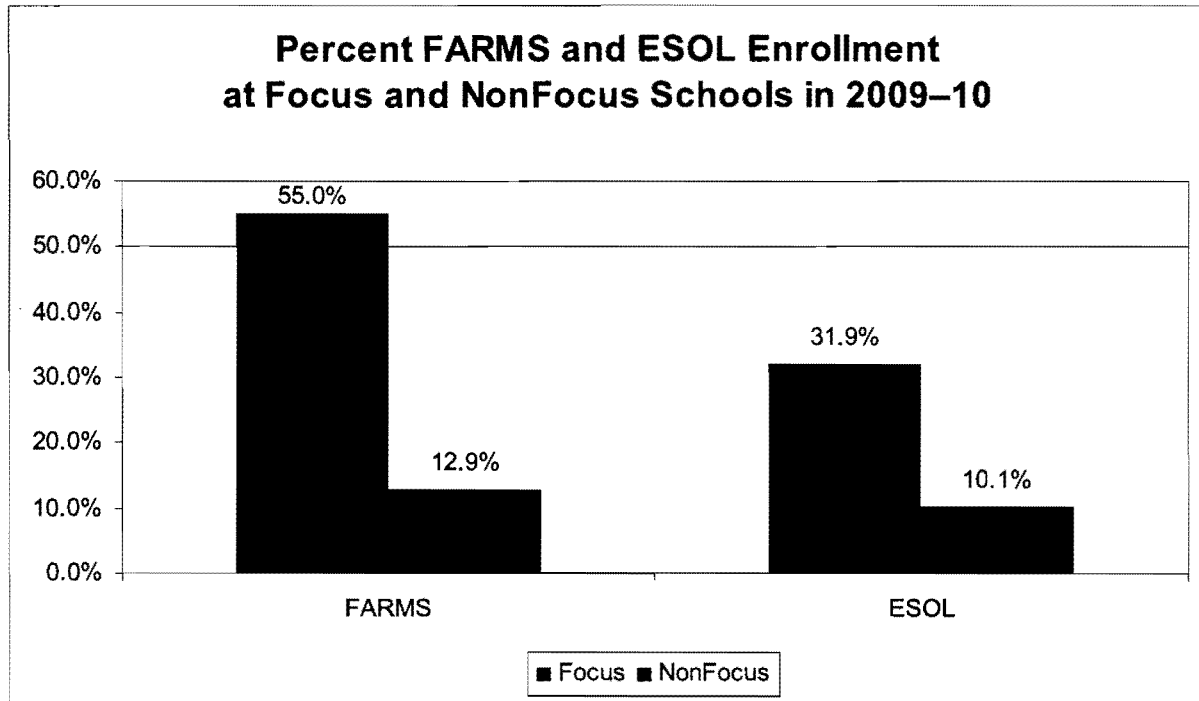
# Focus Elementary Schools Lead Diversity



## Focus Schools Serve Most Diverse Race / Ethnic Enrollment



# Focus Schools Serve Most Diverse FARMS and ESOL Enrollment



## Enrollment Trends

2009-10

131 Elementary Schools

38 Middle Schools

25 High Schools

5 Special Education programs

1 Career & Technology Center



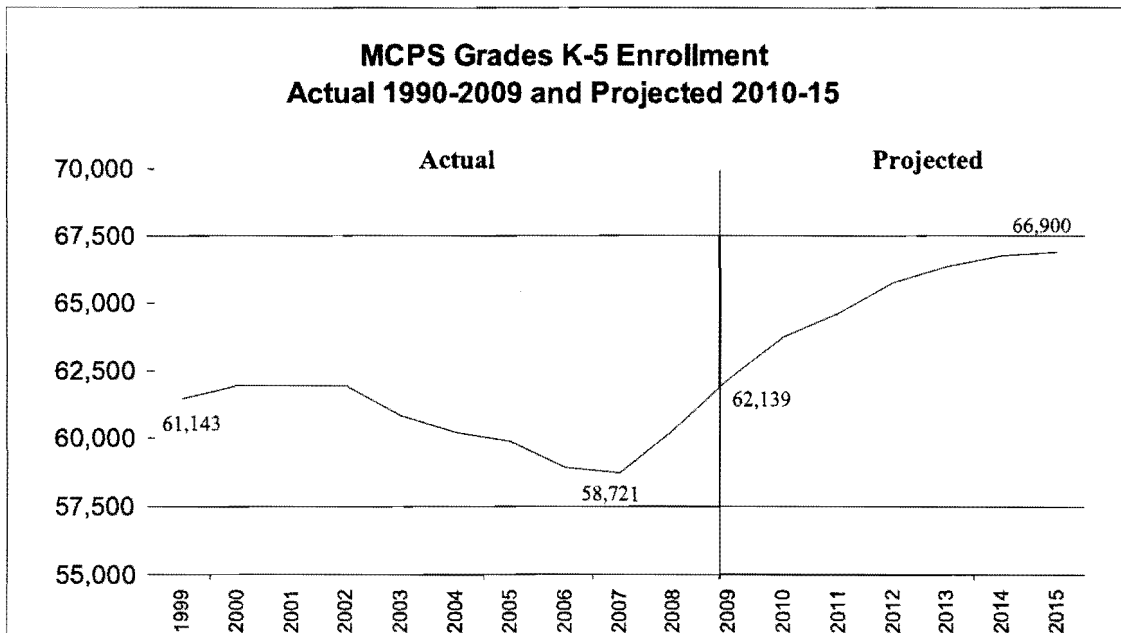
## Total MCPS Enrollment: 2008-09 to 2009-10

Grade	Official 2008-09 Enrollment	Official 2009-10 Enrollment	One-Year Change
K	10,276	10,626	350
1	10,295	10,744	449
2	9,832	10,473	641
3	10,095	10,046	-49
4	9,803	10,265	462
5	9,970	9,985	15
6	10,070	10,099	29
7	10,400	10,283	-117
8	10,516	10,615	99
9	11,776	11,855	79
10	11,159	11,321	162
11	11,052	10,971	-81
12	10,868	11,032	174
<b>K-5</b>	<b>60,271</b>	<b>62,139</b>	<b>1,868</b>
<b>6-8</b>	<b>30,986</b>	<b>30,997</b>	<b>11</b>
<b>9-12</b>	<b>44,845</b>	<b>45,179</b>	<b>334</b>
<b>K-12</b>	<b>136,102</b>	<b>138,315</b>	<b>2,213</b>
<b>H.S./PreK</b>	<b>2,496</b>	<b>2,591</b>	<b>95</b>
<b>PreK Sp.Ed</b>	<b>678</b>	<b>871</b>	<b>193</b>
<b>TOTAL</b>	<b>139,276</b>	<b>141,777</b>	<b>2,501</b>

49,830

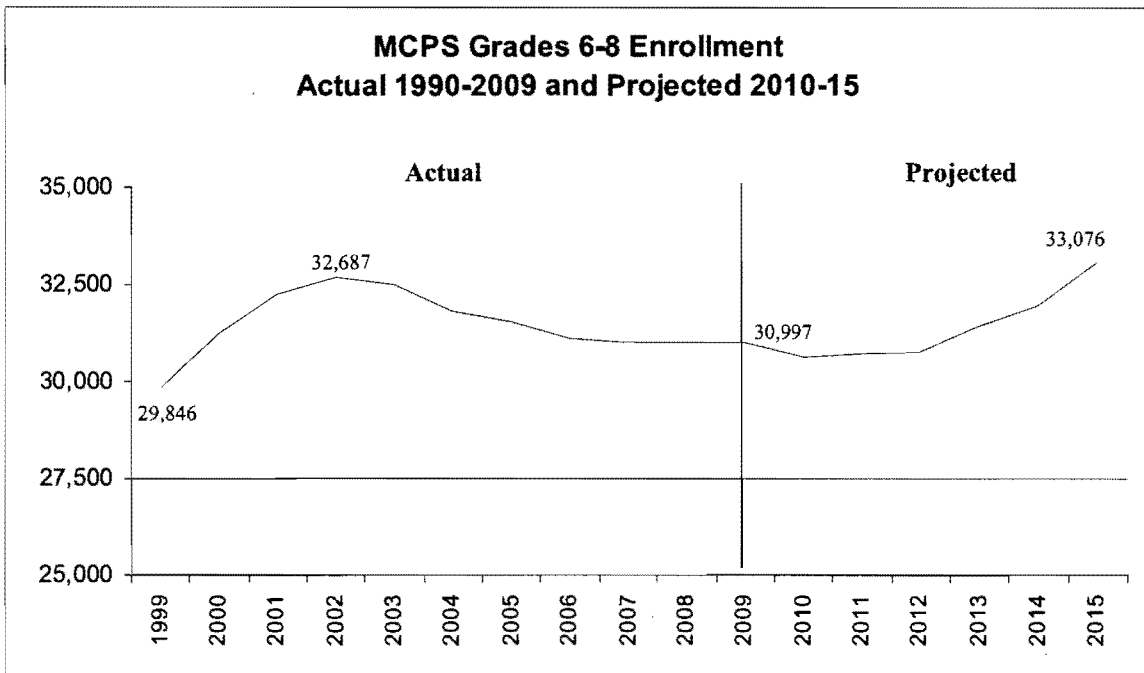
## MCPS Grades K-5 Enrollment

Actual 1999 to 2009, and Projected 2010 to 2015



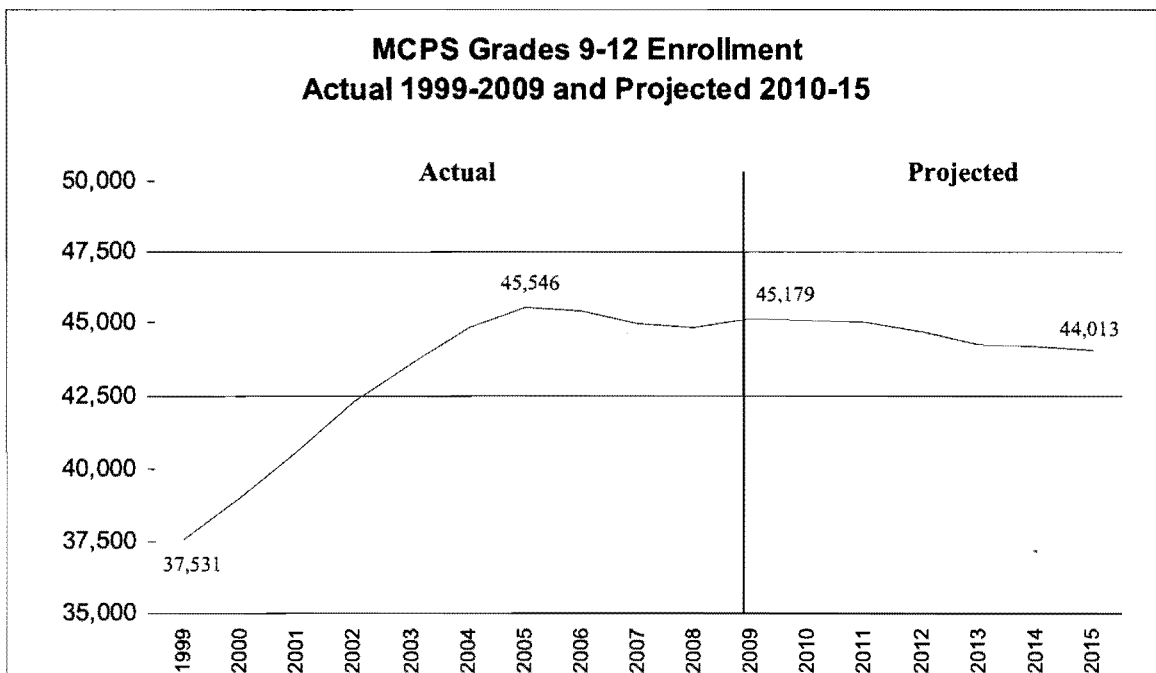
# MCPS Grades 6-8 Enrollment

Actual 1999 to 2009, and Projected 2010 to 2015



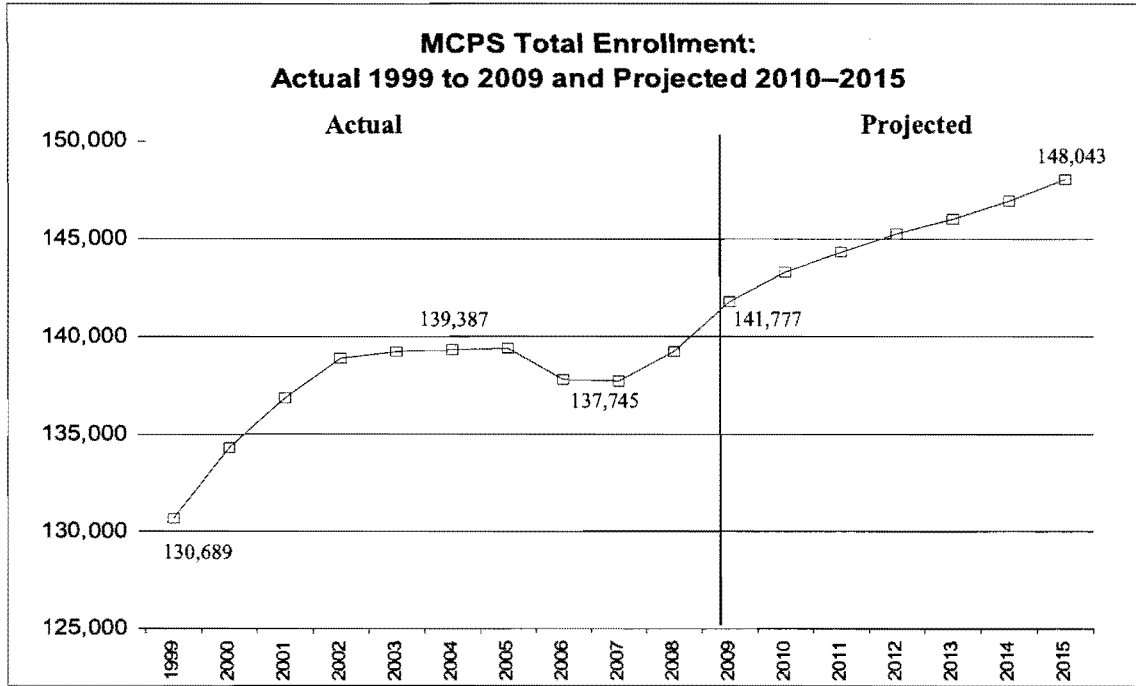
# MCPS Grades 9-12 Enrollment

Actual 1999 to 2009, and Projected 2010 to 2015



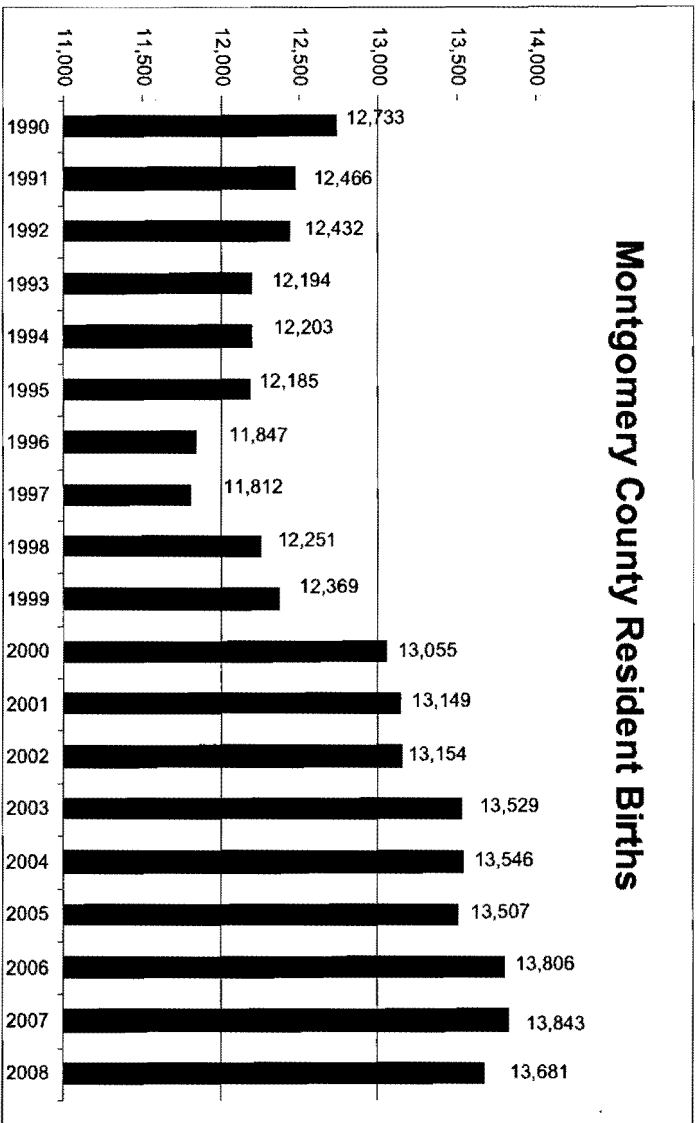
# MCPS Total Enrollment

Actual 1999 to 2009, and Projected 2010 to 2015



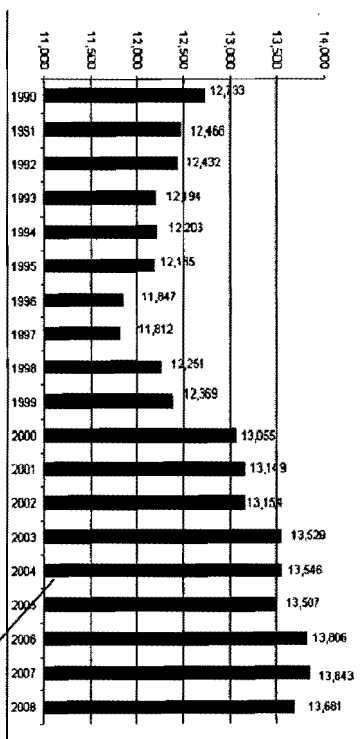
## Why Enrollment is Increasing

# County Births Increasing

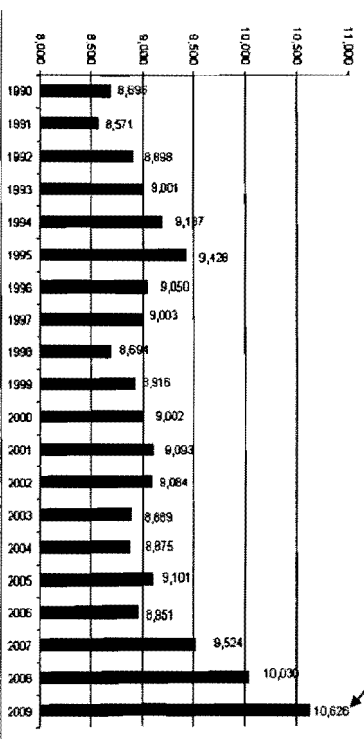


# Births Drive Increases in Kindergarten

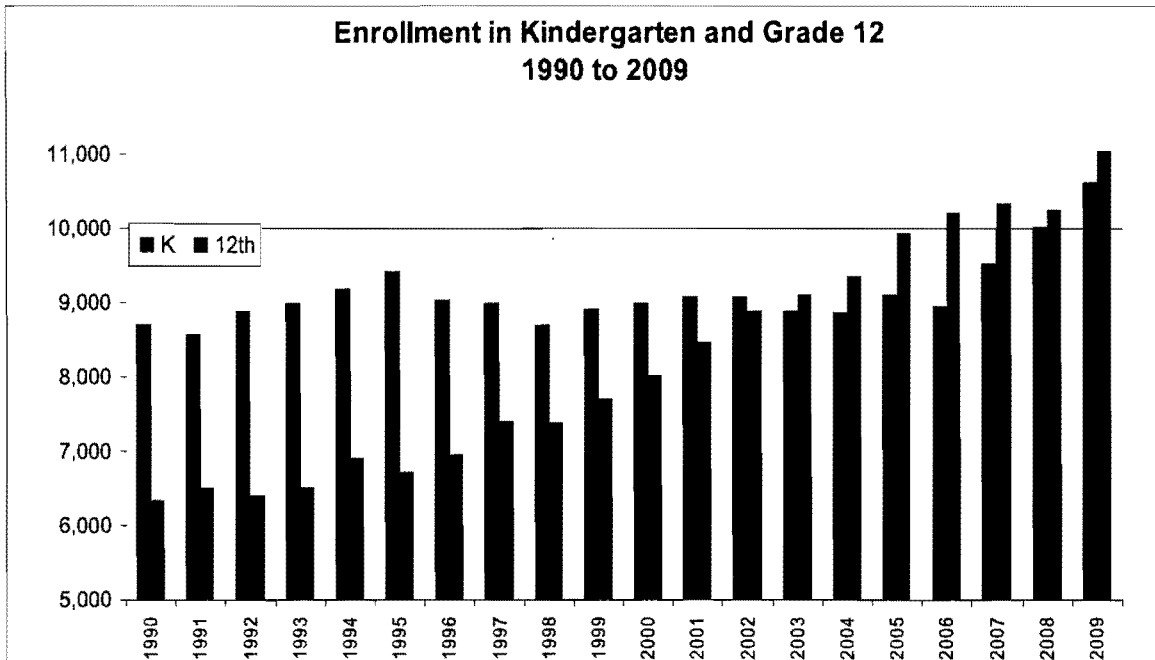
Montgomery County Resident Births



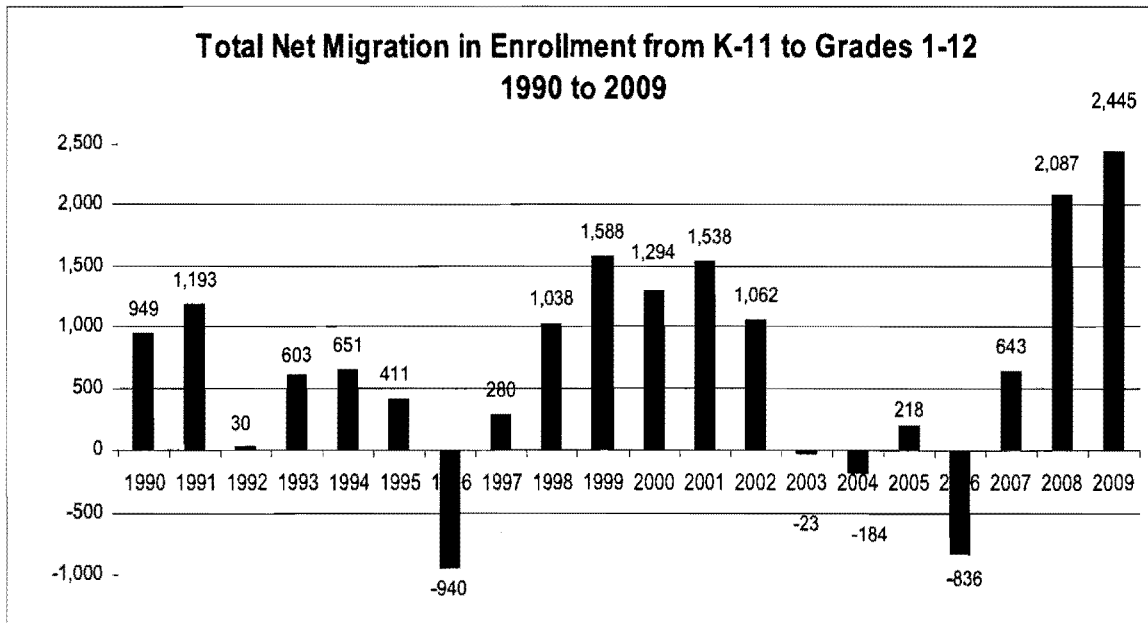
MCPFS Kindergarten Enrollment



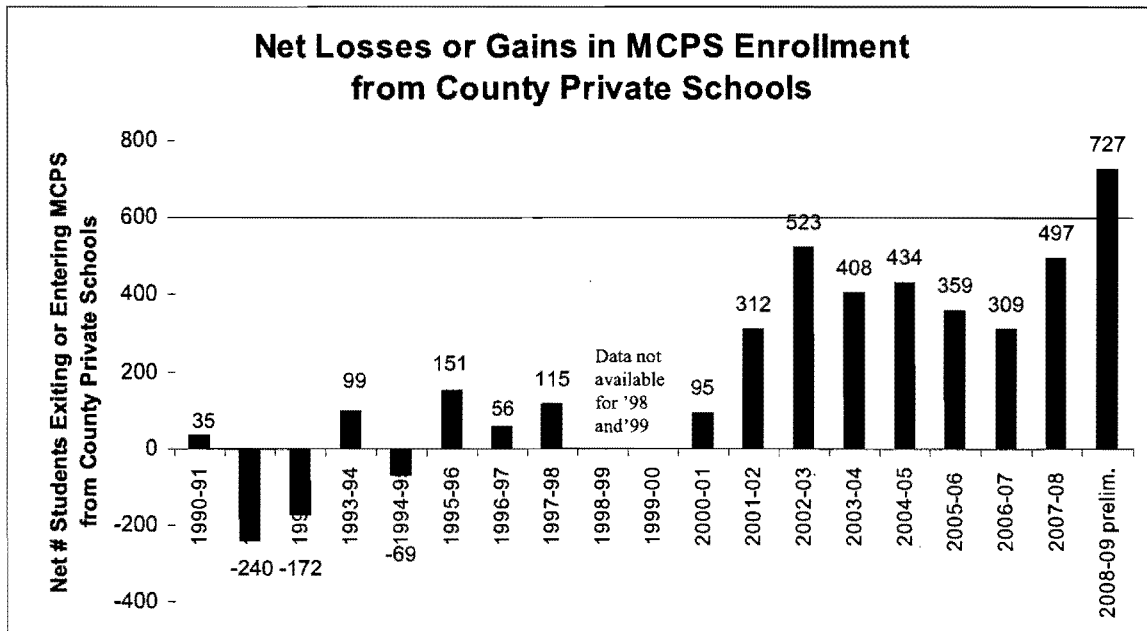
# K- Enrollment Will Soon Exceed Grade 12 Enrollment



# Net Migration to MCPS Over 2,000 Since 2008

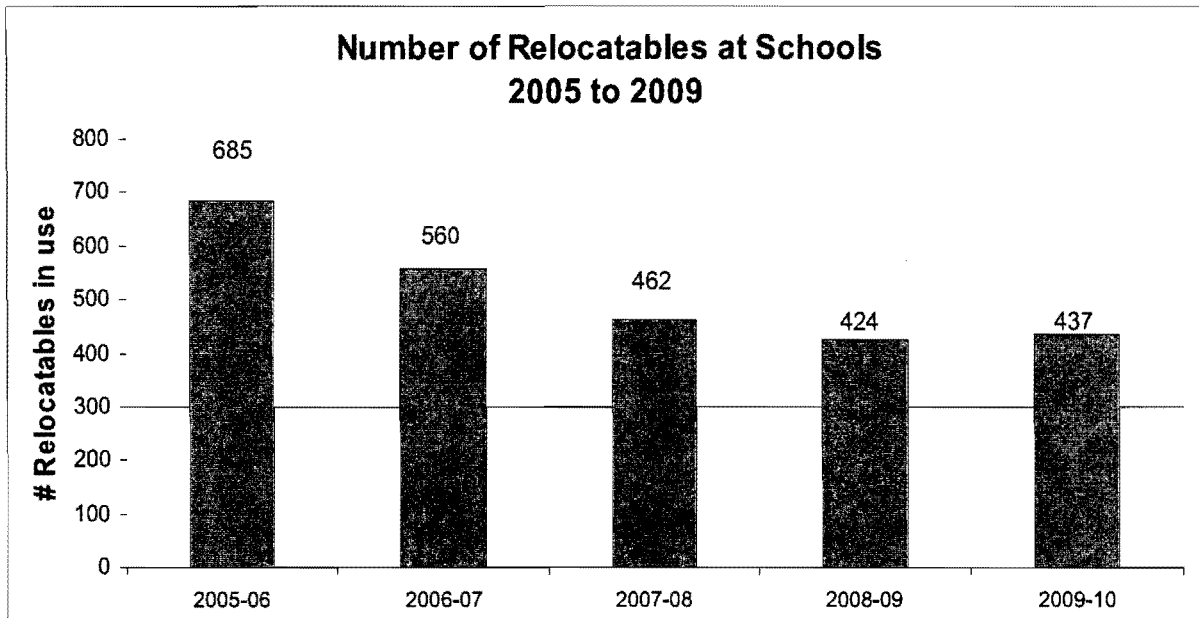


# Net Increase in MCPS Enrollment from County Private Schools

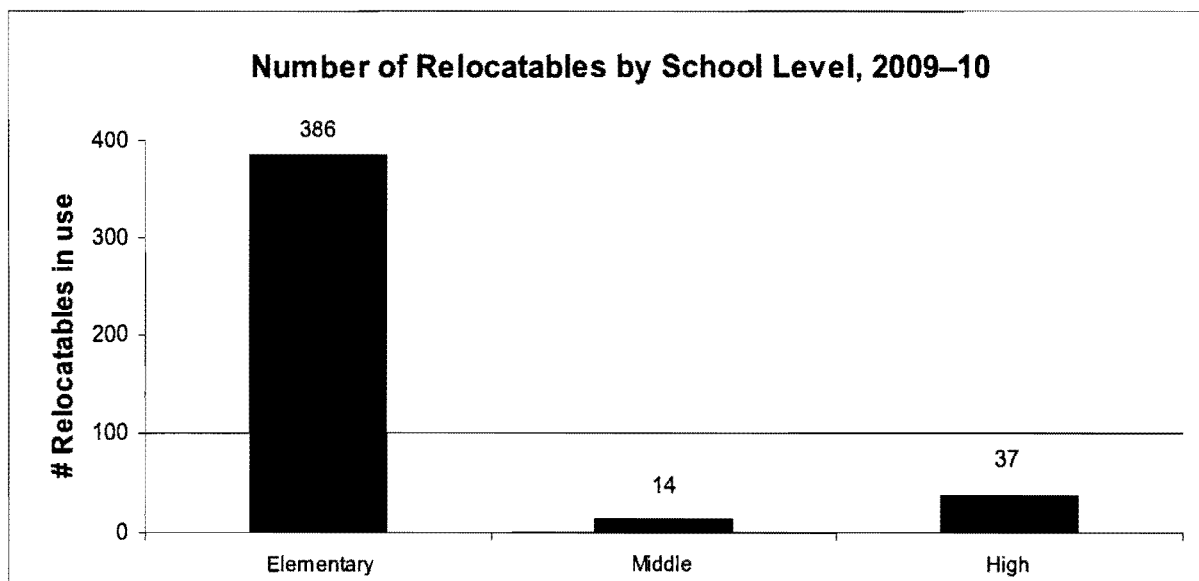


## School Capacity Issues

## Relocatable Use Expected to Increase Again

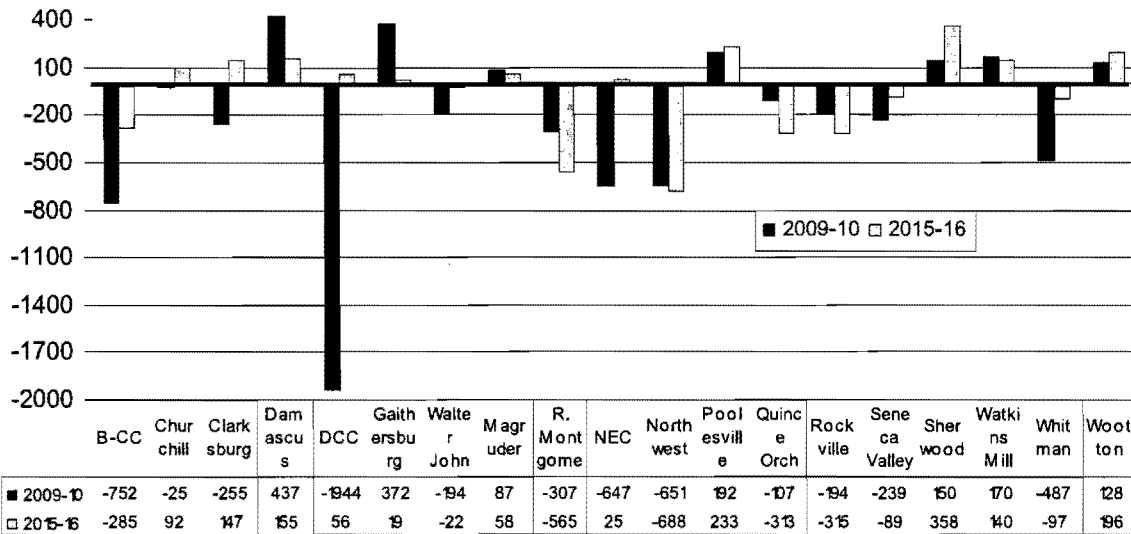


## 88 % of Relocatables at Elementary Schools



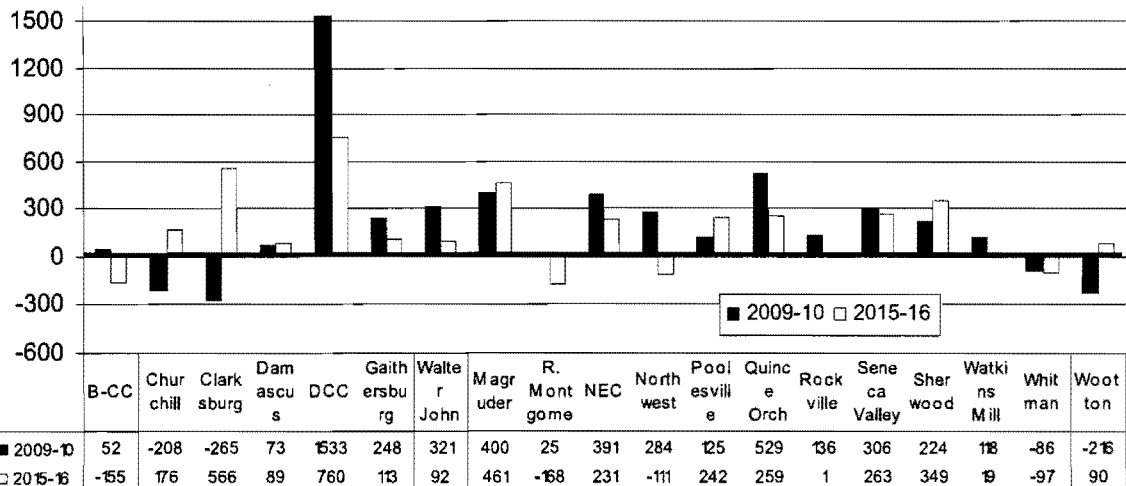
# Requested Elementary School Capital Projects Reduce Deficits in Some Clusters by 2015

**Elementary Space Available/ Deficit, 2009-10 and 2015-16**  
Including Capital Projects Requested in the FY 2011–2016 CIP



# Middle School Capacity Adequate in Most Clusters

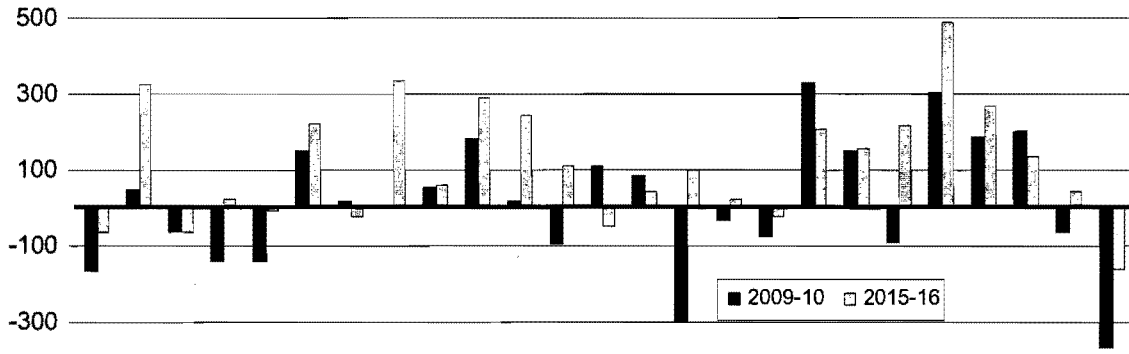
**Middle School Space Available/ Deficit, 2009-10 and 2015-16**  
Including Capital Projects Requested in the FY 2011–2016 CIP





# Enrollment Trends, and Some Capital Projects, Reduce Deficits at Most High Schools

**High School Space Available/ Deficit, 2009-10 and 2015-16**  
Including Capital Projects Requested in the FY 2011–2016 CIP



	B-CC	Blair	Blake	Churchill	Clarke	Darlington	Easton	Gaither	Walter	Kennerly	Marguerite	Richard Montgomery	Northwest	Northwood	Paint Branch	Poole	Quince Orchard	Rockville	Seneca Valley	Shenandoah	Springbrook	Watkins Mill	Whitman	Whitman	Wootton
■ 2009-10	-169	50	-65	-143	-144	151	16	-5	55	180	19	-96	108	82	-302	-36	-73	330	148	-89	302	188	200	-63	-365
□ 2015-16	-67	324	-63	21	-8	222	-23	336	57	290	241	111	-49	42	98	20	-26	205	157	215	490	270	132	43	-162

## Impact of Enrollment Trends and Requested CIP on Growth Policy School Test for FY 2011

### Summary of School Test for FY 2011 - Preliminary

Based on Board of Education Requested FY 2011–2016 CIP  
Would Be Effective July 1, 2010

School Test Level	Description	Cluster Outcomes by Level		
		Elementary Inadequate	Middle Inadequate	High Inadequate
<b>Clusters over 105% utilization</b>	5-year test Effective July 1, 2010	B-CC (108.6%) Northwest (119.1%) Northwood (118.8%) Paint Branch (105.5%) Quince Orchard (111.7%) Rockville (114.2%)	B-CC (114.9%) Northwest (105.6%) Whitman (107.8%)	Wootton (107.8%)
School facility payment required in inadequate clusters to proceed.	Test year 2015-16			
<b>Clusters over 120% utilization</b>	5-year test Effective July 1, 2010	Richard Montgomery (126.5%)		
Moratorium required in clusters that are inadequate.	Test year 2015-16			

FY 2011–2016  
Capital Improvements Program

Highlights

Requested FY 2011-2016 CIP

New School Carried Over from Previously Adopted  
CIP

- Downcounty Consortium ES #29 (McKenny Hills site), open August 2012 (*capacity 640*)

## Requested FY 2011-2016 CIP

### New School Projects in CIP

- Clarksburg Cluster ES (Clarksburg Village Site #1), open August 2013
- Clarksburg/ Damascus MS (Arora Hills site), open August 2015

## Recommended FY 2011-2016 CIP

### Addition Projects from Previously Adopted CIP

(Opening date in parenthesis)

- Brookhaven ES (8/11)
- East Silver Spring ES (8/10)
- Fairland ES (8/11)
- Fox Chapel ES (8/11)
- Harmony Hills ES (1/12)
- Jackson Road ES (8/11)
- Montgomery Knolls ES (1/12)
- Rock View ES (8/11)
- Sherwood ES (8/10)
- Takoma Park ES (8/10)
- Whetstone ES (8/11)

## Recommended FY 2011-2016 CIP New Addition Projects

(Opening date in parenthesis)

- Bradley Hills ES (8/13)
- Clarksburg HS (8/14)
- Darnestown ES (8/13)
- Georgian Forest ES (8/13)
- Somerset ES (SY 10-11)
- Viers Mill ES (8/13)
- Waters Landing ES (8/13)
- Westbrook ES (8/13)
- Wyngate ES (8/13)

## Elementary School Modernizations (Appendix E)

(Opening date in parenthesis)

No Change from Currently Approved CIP

1. Cresthaven (8/10)
2. Carderock Springs (8/10)
3. Farmland (8/11)
4. Cannon Road (1/12)
5. Garrett Park (1/12)
6. Seven Locks (1/12)
7. Beverly Farms (1/13)
8. Glenallan (8/13)
9. Weller Road (8/13)
10. Bel Pre (8/14)
11. Candlewood ((1/15)
12. Rock Creek Forest (1/15)
13. Wayside (8/16)
14. Brown Station (8/16)
15. Wheaton Woods (8/16)
16. Potomac (1/18)
17. Luxmanor (1/18)
18. Maryvale (1/18)

## Secondary School Modernizations (Appendix E)

(Opening date in parenthesis, later date is completion of site work)

### No Change from Currently Approved CIP

#### Middle Schools

1. Cabin John (8/11)
2. Hoover (8/13)
3. Farquhar (8/15)
4. Tilden (8/17)
5. Eastern (8/19)

#### High Schools

1. Walter Johnson (1/10)/(8/10)
2. Paint Branch (8/12)/(8/13)
3. Gaithersburg (8/13)/(8/14)
4. Wheaton (8/15)/(8/16)
5. Seneca Valley (8/16)/(8/17)
6. Thomas Wootton (8/18)/(8/19)

## Recommended FY 2011 Facility Planning Projects

#### Modernizations

- Candlewood ES
- Rock Creek Forest ES
- William Farquhar MS
- Wheaton HS

#### Additions

- Arcola ES
- Bannockburn ES (*capacity study*)
- Beall ES
- Flower Hill ES
- Germantown ES/Great Seneca Creek ES/ Spark Matsunaga ES (*capacity studies*)
- Twinbrook ES
- Wood Acres ES (*capacity study*)

**Note:** None of the addition projects have planning or construction funding in the out years of the requested CIP. Funding is requested following facility planning.

## Facility Planning Projects (Continued)

- Complete new FACT assessments for the 41 schools built before 1985 and never modernized
- The FACT tool will be updated with community review and comment
- A consultant will be selected to complete the assessments
- A queue of modernizations for remaining schools will be published in the fall of 2011 with the next full CIP

## New Boundary Studies

- Bethesda ES and Bradley Hills ES (assignment for western portion of Bethesda ES service area)
  - Winter 2009-10 community involvement
  - BOE review, hearings, and action – February & March, 2010

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- Baker MS and Rocky Hill MS (assignment for Rockwell ES)
  - Winter 2009-10 community involvement
  - BOE review, hearings, and action – February & March, 2010