

BALTIMORE COUNTY PUBLIC SCHOOLS

DATE: November 7, 2012

TO: **BOARD OF EDUCATION**

FROM: S. Dallas Dance, Superintendent

SUBJECT: **BALTIMORE COUNTY PUBLIC SCHOOLS' CAPACITY RELIEF STRATEGIES UPDATE**

ORIGINATOR: Michael Sines, Chief Operations Officer

RESOURCE
PERSON(S): Kara Calder, Executive Director, Planning and Support Operations

INFORMATION

That the Board of Education receives an update on short- and long-term relief strategies.

Attachment I – Executive Summary
Attachment II – PowerPoint

ENROLLMENT AND CAPACITY UPDATE EXECUTIVE SUMMARY

The strategic planning process of Baltimore County Public Schools (BCPS) is designed to anticipate and help manage enrollment growth, decline, and programmatic changes. Related activities are managed by the Office of Strategic Planning within the Department of Planning and Support Operations through collaboration with other departments as together staff aligns the elements of deliberate excellence to build a world-class school system.

There are many variables that impact school capacity and student enrollment. The dramatic change in school capacity in Baltimore County is a direct result of the transformation in the way school systems across the state deliver instruction and services to meet the expanding and evolving needs of students. Changing enrollment is a factor of a number of variables in the county, including increasing birth rates, increasing housing availability, and parents consciously choosing BCPS to deliver a high-quality education to their children. Combined, these changes in facility capacity and student enrollment have significantly impacted school facility use and the community's overall expectations regarding the school experience.

This year's systemwide student enrollment as of September 30, 2012, is 107,033. Enrollment is projected to gradually increase over the next five years to 109,583. Projection methodology is based in cohort survival as required by the Maryland State Department of Education (MSDE), and kindergarten enrollments are correlated to live births within each elementary school boundary. Over the next decade, BCPS anticipates a growth of 6.85% in total enrollment, and growth of 8.42% at elementary grade level. As of last year, systemwide available capacity as calculated by the Maryland State Department of Education State Rated Capacity (SRC) formula was insufficient to meet enrollment needs at the elementary school level. SRC does not include relocatable classroom units, which are utilized as part of the school system's overall capacity relief program.

BCPS employs relief strategies that range from relatively simple to execute to highly complex solutions that involve significant capital investment and collaboration with local and state funding authorities and often taking years to fully implement. Such complex strategies are proposed when current and projected aggregate enrollment in a region of schools significantly exceeds available capacity and when other relief strategies are deemed inappropriate or have been exhausted.

Current relief strategies at the school system's most overcrowded schools include alternate use of classroom space, use of relocatable classrooms, movement of programs such as pre-kindergarten, and capital construction as approved in the FY13 Capital Improvement Plan (CIP) and proposed in the FY14 CIP.

Baltimore County Public Schools Capacity Relief Strategies Update



New Town Elementary School

S. Dallas Dance, Superintendent

Prepared by
Office of Strategic Planning, October 2012



Blueprint 2.0

Baltimore County Public Schools
Building a Culture of Deliberate Excellence

Academics

Safety

Communication

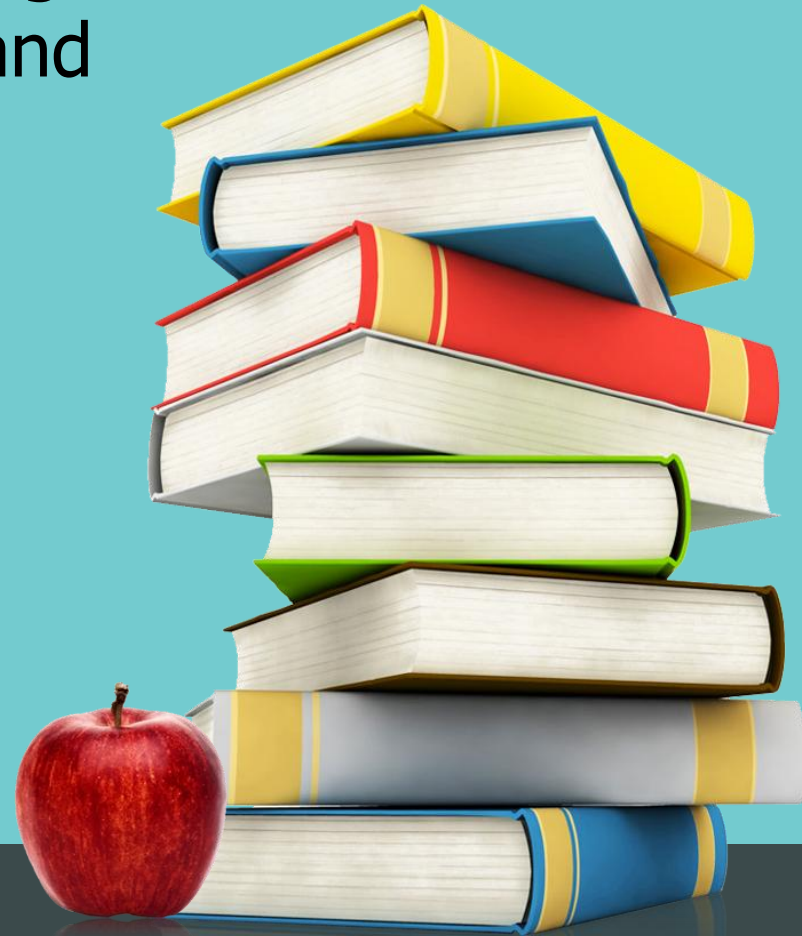
Organizational
Effectiveness

TEAM BCPS

Planning Process



Objective: to plan for and manage enrollment growth, decline, and programmatic changes.



Total Schools, Centers, and Programs



Type	2012-2013
Elementary	105
Middle	27
High	24
Special Education Schools	4
Centers	11
Charter	1
Programs	2
Total	174

Source: BCPS 2012-2013 Definitions of Schools, Centers, and Programs



Current and Projected Enrollment

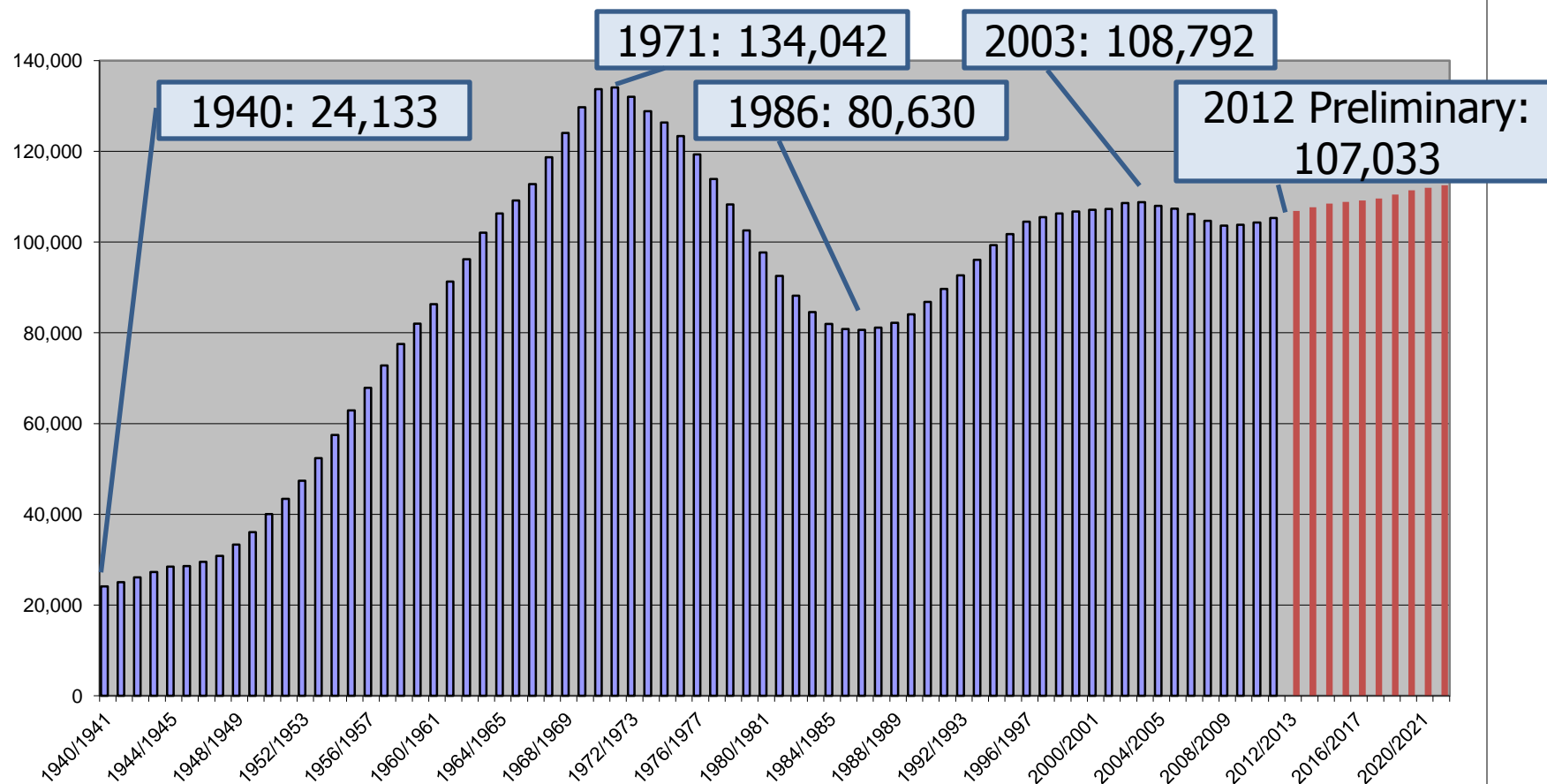


	Actual 2011	Preliminary 2012	5 Year 2016	10 Year 2021
Total	105,315	107,033	109,143	112,530
Elementary	50,757	52,499	54,162	55,031
Middle	22,411	22,391	23,124	23,874
High	30,554	30,573	30,245	32,013
Other	1,593	1,570	1,612	1,612

Source: BCPS Official September 30, 2011 enrollment, BCPS September 30, 2012 PRELIMINARY enrollments, BCPS 10 year enrollment projections, 2012-2021



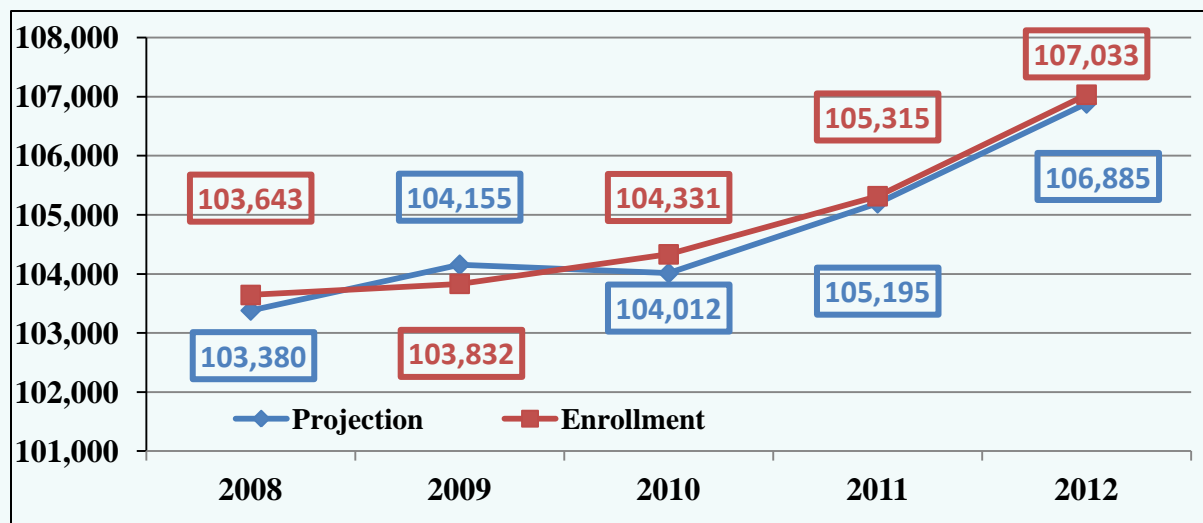
Enrollment History, 1940-2011 And Projections 2012-2021



Source: BCPS historic enrollments, BCPS September 30 enrollments, BCPS September 30, 2012 PRELIMINARY enrollment, BCPS 10 year enrollment projections, 2012-2021

Projection Accuracy

Year	Projection	Enrollment	+ / - Projection	Accuracy	99% Accuracy Goal Met?
2008	103,380	103,643	263	99.75%	yes
2009	104,155	103,832	-323	99.69%	yes
2010	104,012	104,331	319	99.69%	yes
2011	105,195	105,315	120	99.89%	yes
2012	106,885	107,033	148	99.86%	yes



Source: BCPS September 30 enrollments 2008-2011, BCPS September 30, 2012 PRELIMINARY enrollment, BCPS 1 year enrollment projections 2008-2012



State Rated Capacity (SRC)



"Maximum number of students that reasonably can be accommodated in a facility without significantly hampering delivery of the educational program."

Public Schools Construction Program Administrative Procedures Guide

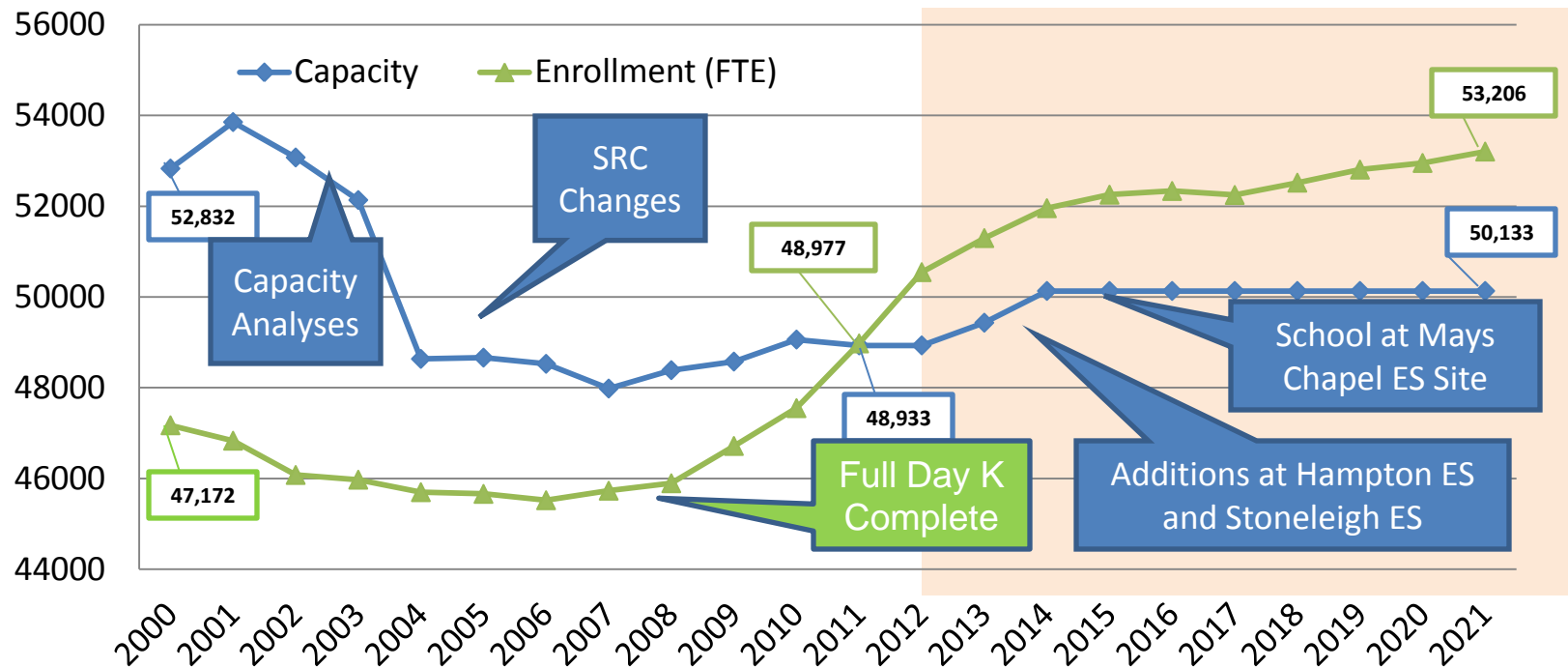
- Formula determined and all changes approved by MSDE
- Based on building design and classroom utilization
- Relocatable classrooms are not included in SRC



Elementary School Capacity Trends



Elementary School Enrollments and Capacity

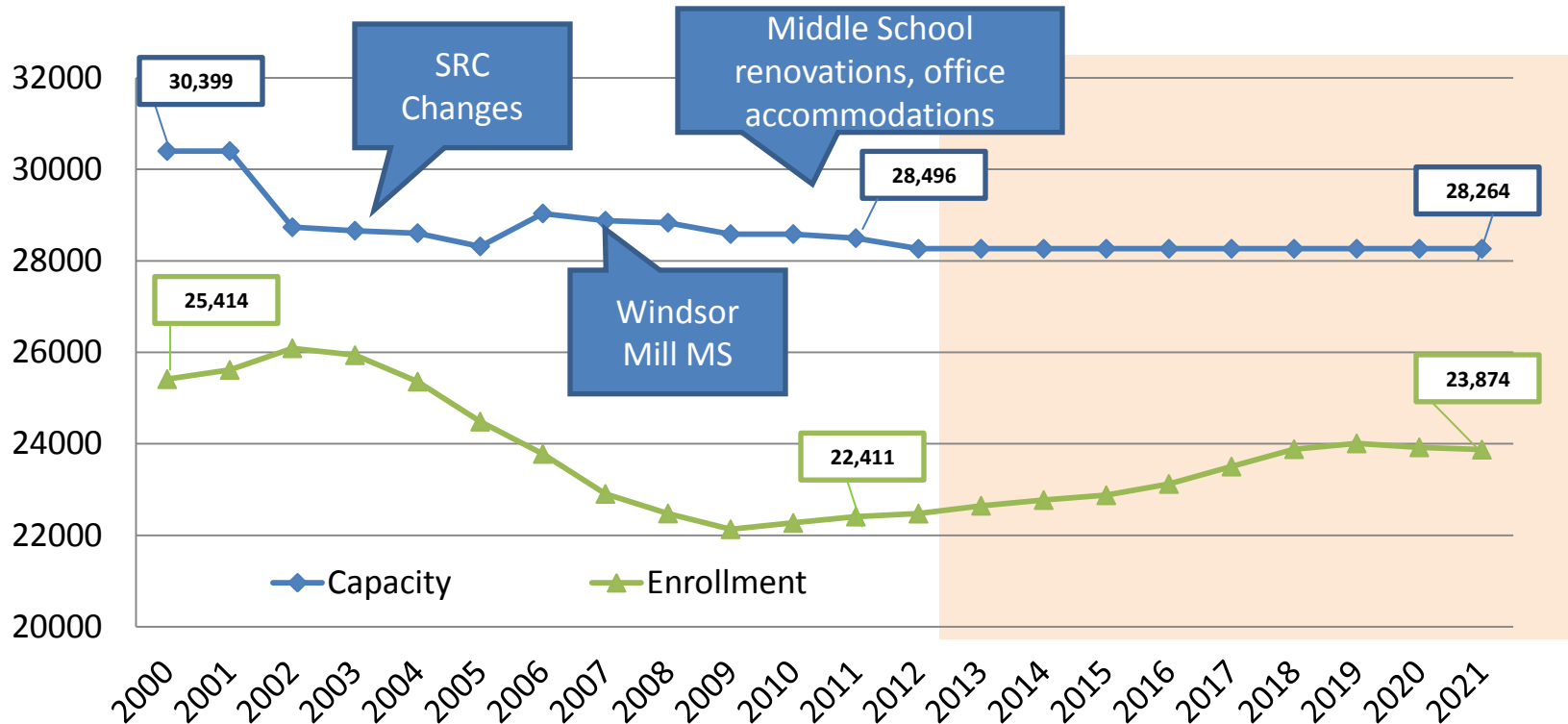


Source: BCPS September 30 enrollments and SRC calculations, 2000-2011, BCPS 10 year enrollment projections, 2012-2021

Middle School Capacity Trends



Middle School Enrollments and Capacity

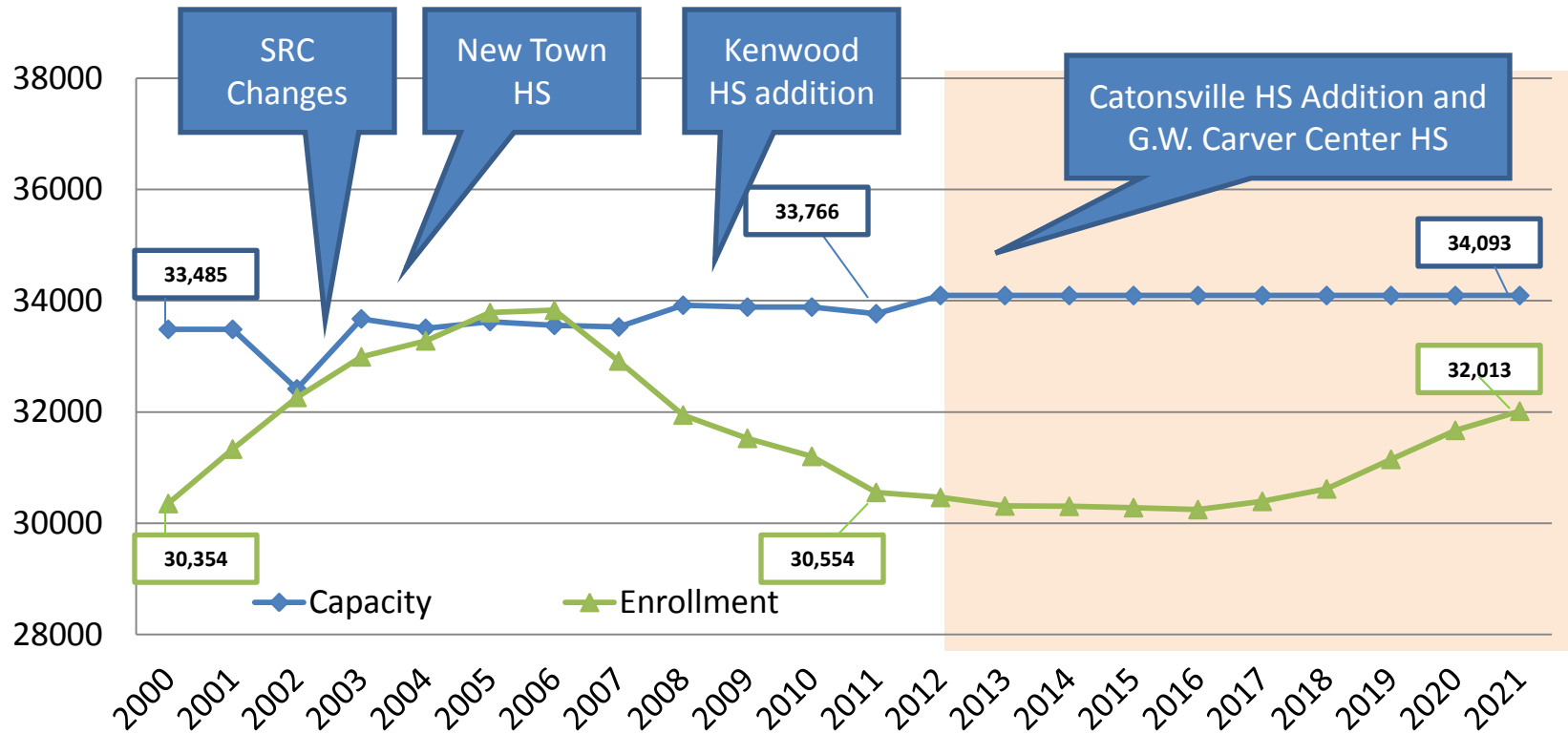


Source: BCPS September 30 enrollments and SRC calculations, 2000-2011, BCPS 10 year enrollment projections, 2012-2021

High School Capacity Trends



High School Enrollments and Capacity

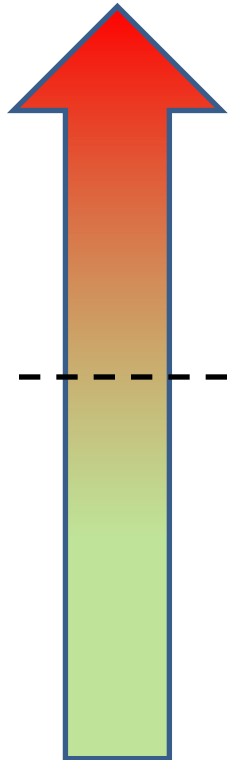


Source: BCPS September 30 enrollments and SRC calculations, 2000-2011, BCPS 10 year enrollment projections, 2012-2021

Relief Strategies/Managing Resources

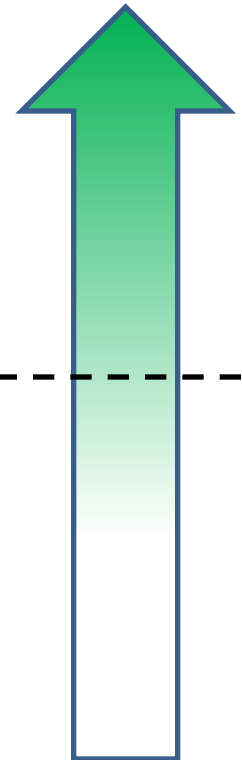
Complex

High Cost



Simple

- New capital construction
- Renovations and additions
- Redistricting
- Enrollment caps and annexing
- Use of relocatable classrooms
- Capacity analysis and room use recommendations
- Policy review and analysis



No/Low Cost

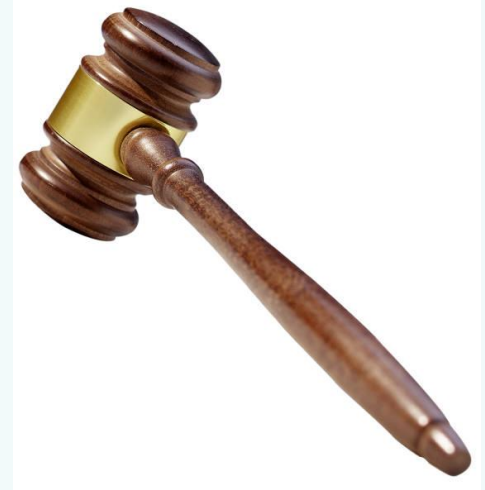
Strategies For Providing Relief

Policy Review and Analysis



- Evaluate existing Board of Education Policies directly or indirectly related to building capacity.

Example: Updates to Policy 5140, Special Permission Transfer Requests in July 2011.

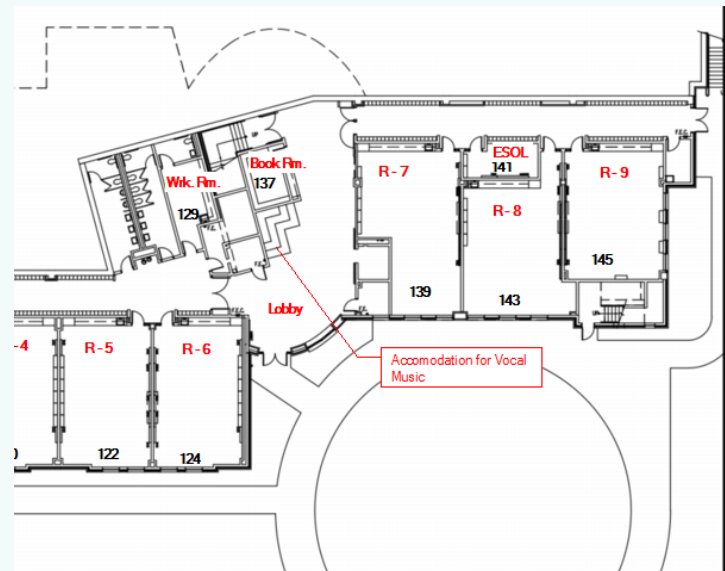


Capacity Analysis, Room Use Recommendations



- Identify alternative ways of using existing space more efficiently.

Example: West Towson vocal music moved to lower level atrium in 2011.



Use of Relocatable Classrooms



- Provide additional instructional classroom space outside of the building for on-campus solution.

- ES: 159 classrooms at 51 schools
- MS: 8 classrooms at 3 schools
- HS: 45 classrooms at 10 schools
- Other: 4 classrooms at 2 schools
- System Total: 216 classrooms



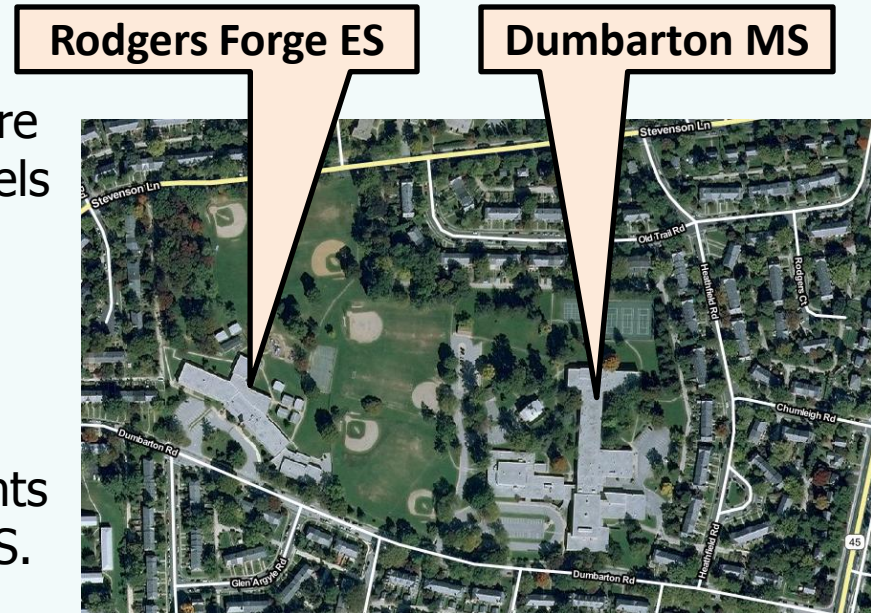
Enrollment Caps and Annexing



- Accommodate students from crowded schools at nearby BCPS facilities with spare capacity by moving program or grade levels (annexation) or newly-enrolled students (capping).

Examples:

- Rodgers Forge ES Grade 4 (2009) students were annexed to adjacent Dumbarton MS.
- Dogwood ES and Deep Creek ES (2008) Prekindergarten and Kindergarten were annexed.
- New Town ES was relieved by a cap and annexed (2003).

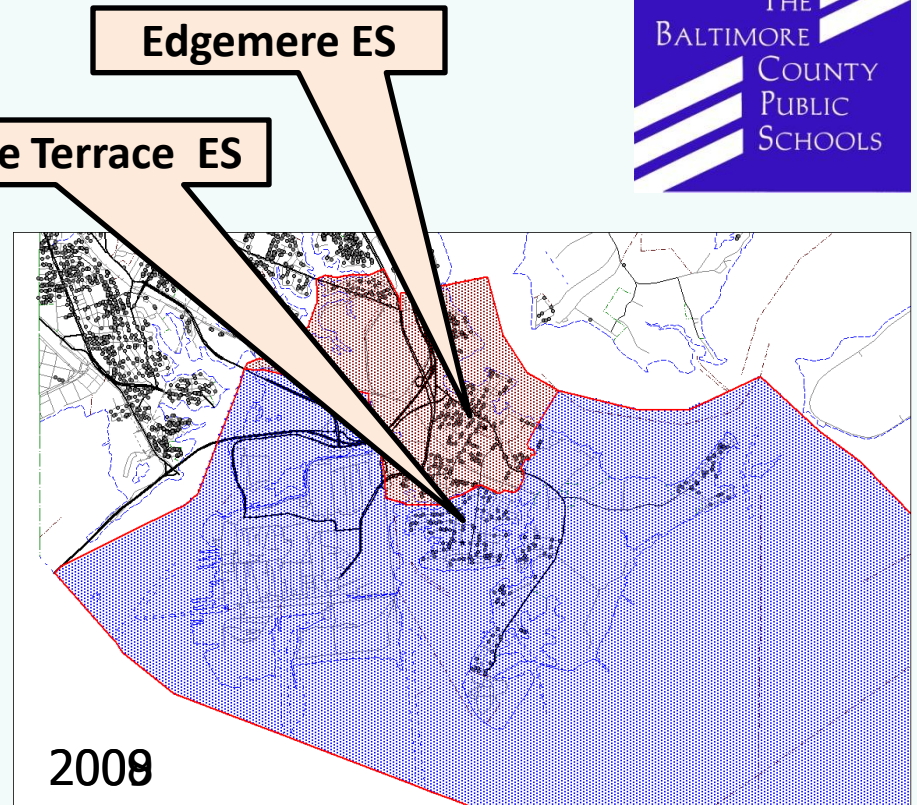


Redistricting



- Change school boundaries to balance enrollments.

Example: Chesapeake Terrace and Edgemere ES were redistricted in 2009 to balance enrollment.



Renovations and Additions

- Construct capital projects to improve the condition and efficiency of existing school facilities and add capacity.

Example: Both Stoneleigh ES (200 seat) and Hampton ES (300 seat) additions and renovations are scheduled for completion in Fall 2013.



Hampton ES addition, March 2012



New Capital Construction



- Construct a new school to replace an aging school or provide additional capacity.

Example: Construction of a 700-seat elementary school at the Mays Chapel Site.

SCHEMATIC SITE DESIGN – SITE AERIAL VIEW



MAYS CHAPEL / LUTHERVILLE AREA ELEMENTARY SCHOOL
Schematic Design Presentation for S. Dallas Dance, Ph.D., Superintendent
July 10, 2012



Capital Planning Priorities

FY 2014 - FY 2018

Revised July 26, 2012



Capital Planning Priorities and Recommended Timelines FY 2014 - FY 2018

PLANNING REGION	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
SOUTHWEST					TBD Seats Hillcrest/ Westchester ES Cluster
NORTHWEST	700 Seats* NW Area ES (New Town/Woodholme ES Cluster)				
NORTHWEST		TBD Seats Summit Park/Milbrook ES Clusters	TBD Seats Summit Park/Milbrook ES Clusters		
NORTHWEST					TBD Seats Owings Mills ES Cluster
CENTRAL			TBD seats West Towson ES Cluster	TBD seats West Towson ES Cluster	
CENTRAL	700 seats Mays Chapel Site ES				
CENTRAL	200 seats Sparks ES				
CENTRAL	200 seats Hereford HS				
NORTHEAST			750 Seats Shady Spring ES Cluster	750 Seats Shady Spring ES Cluster	
SOUTHEAST					

Central Planning Region



Long-term Relief:

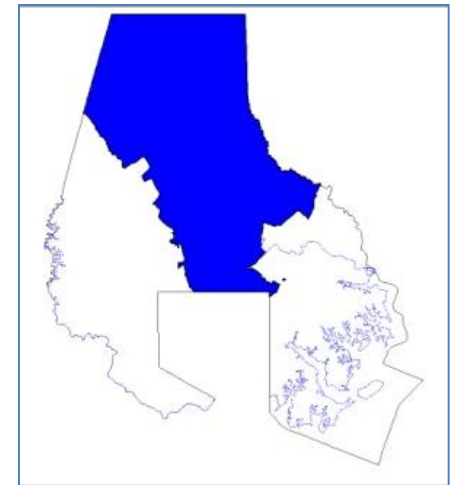
- New elementary construction at Mays Chapel Site (700 seats)
- Addition at Hereford HS (200 seats)
- Addition at Sparks ES (200 seats)
- Additional seats in Towson Area (500 seats)
- Site acquisition

Mid-term Relief:

- Addition at Stoneleigh ES (200 seats)
- Addition at Hampton ES (300 seats)

Short-term Relief:

- Use of relocatables
- West Towson ES and Ridge Ruxton School shared space



Northwest Planning Region



Long-term Relief:

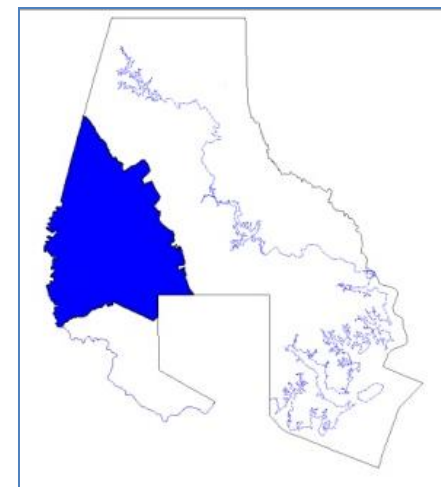
- New elementary construction in New Town ES/Woodholme ES clusters (700 seats)
- Additional seats in Summit Park ES cluster (400 seats)
- Additional seats in the Owings Mills ES cluster (250 seats)
- Site acquisition

Mid-term Relief:

- Review Campfield Early Childhood Learning Center
- Review potential for annexation of New Town ES grade level

Short-term Relief:

- Examine room use and annexation of grade level at Woodholme ES
- Conduct residency audits where appropriate
- Use of Recreation and Parks space at Summit Park ES



Northeast Planning Region



Long-term Relief:

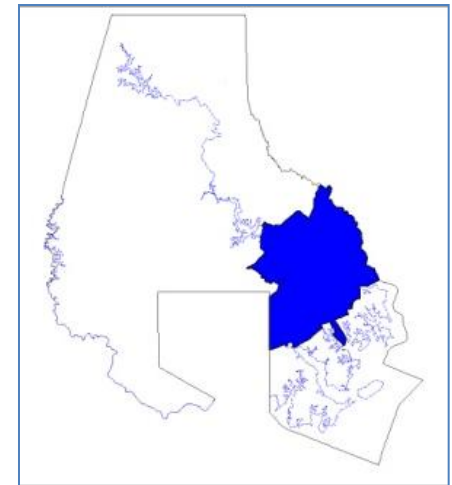
- Additional seats in the Shady Spring ES cluster

Mid-term Relief:

- Relocate Special Education Cluster programs from Perry Hall ES to schools with available space

Short-term Relief:

- Use of Recreation and Parks space at Shady Spring ES
- Use of relocatables



Southwest Planning Region



Long-term Relief:

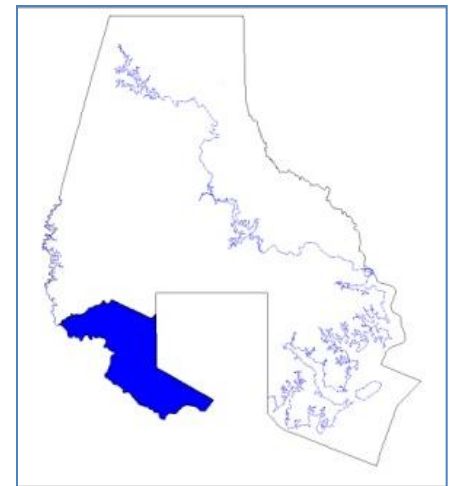
- Additional seats in the Hillcrest ES/Westchester ES cluster

Mid-term Relief:

- Use of Recreation and Parks space at over-capacity elementary schools

Short-term Relief:

- Use of relocatable classrooms
- Conduct residency audits where appropriate



Southeast Planning Region



Long-term Relief:

- Use of existing space at elementary and middle schools

Mid-term Relief:

- Continue annexation of Deep Creek ES kindergarten to Hawthorne ES

Short-term Relief:

- Use of relocatable classrooms



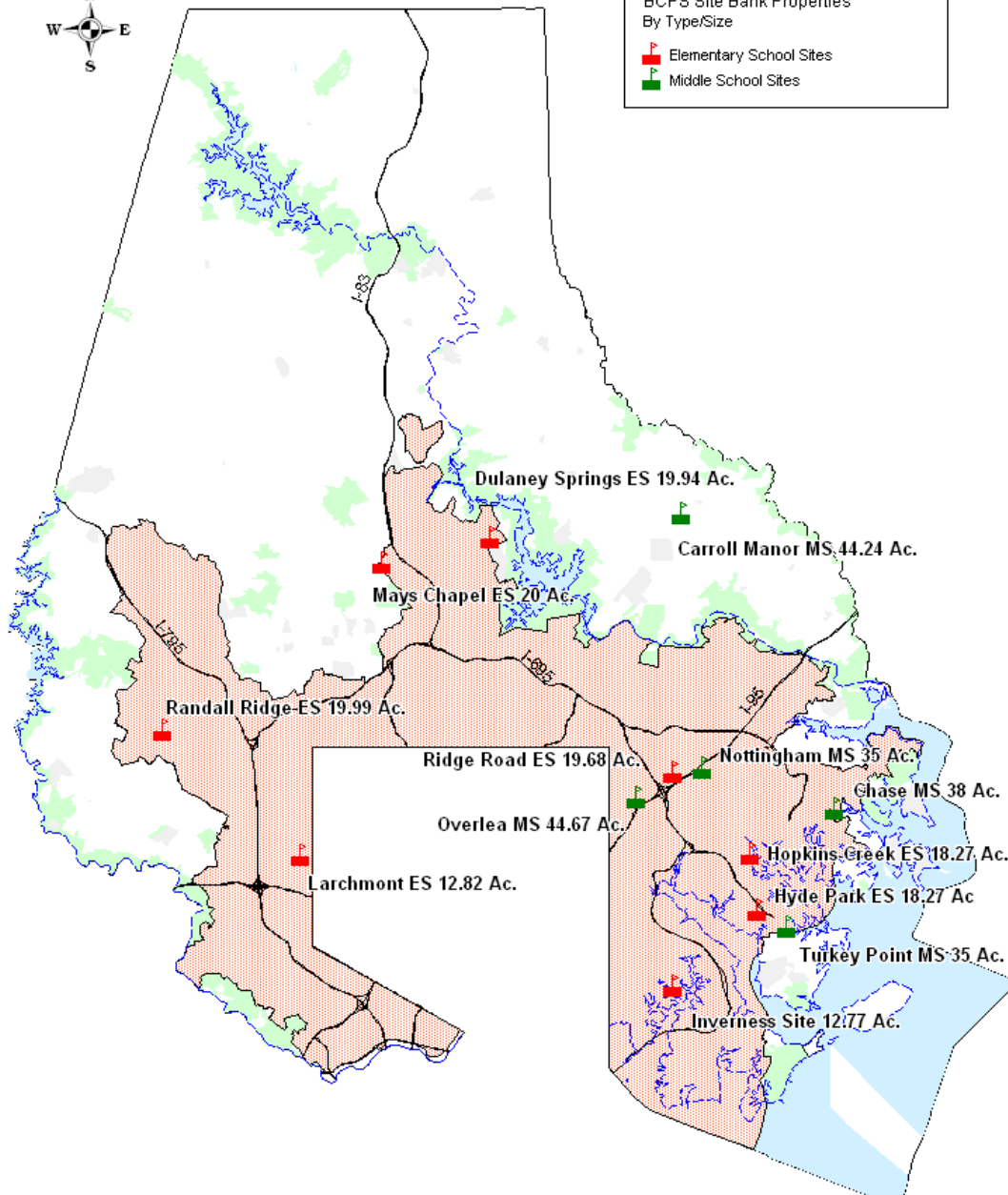


BCPS Site Bank Properties
By Type/Size

- Elementary School Sites
- Middle School Sites



Site Bank Properties



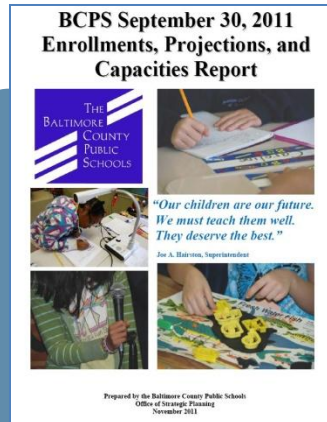
Next Steps – Managing Enrollment



September 30
enrollments

Data Analysis

October 2012



2012
Enrollments,
Projections, and
Capacities
Report

Planning

November 2012



1 Year
Projections
(2013)

Recommendations

December 2012



10 Year
Projections
(2013-2022)

Implementation

January 2013