

BALTIMORE COUNTY PUBLIC SCHOOLS

DATE: August 9, 2011

TO: **BOARD OF EDUCATION**

FROM: Dr. Joe A. Hairston

SUBJECT: **REPORT ON ENROLLMENT, CAPACITY, AND RELIEF STRATEGIES**

ORIGINATOR: Dr. Renee A. Foose, Deputy Superintendent

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RECOMMENDATION

To apprise the Board of Education of the impact of the steadily increasing student enrollment on the capacity of elementary, middle and high schools.

Attachment I – Executive Summary
Attachment II – PowerPoint

Board of Education Meeting Capacity and Relief Strategies Update Executive Summary

The strategic planning process of Baltimore County Public Schools is designed to anticipate and help manage enrollment growth, decline, and programmatic changes. Related planning activities are managed by the Office of Strategic Planning within the Department of Planning and Support Operations through collaboration with other BCPS departments as together we fulfill the goals of the *Blueprint for Progress*. Capacity analysis and related school enrollment relief strategies are specifically targeted to fulfill Blueprint for Progress Goal 4: *all students will be educated in school environments that are safe and conducive to learning*, and Goal 8: *all students will receive a quality education through the efficient and effective use of resources and the delivery of business services*.

As reported in the *Strategic Planning Update* provided to the Board of Education in March 2011, there are many variables that have transformed the way school systems deliver instruction and services to meet the expanding and evolving needs of students and community expectations. In turn, these changes have dramatically impacted school facility use and overall expectations regarding classroom and school student capacity.

The 2010 system wide student enrollment (as of September 30, 2010) was 104,331. Student enrollment is projected to gradually increase over the next five years to 107,309 and then in ten years to 109,316. The Office of Strategic Planning calculates projections using both live birth data and actual trend experience for student enrollment and grade level advancement (termed cohort survival). BCPS projection accuracy has met the Blueprint for Progress standard of 99.0% for the past five years. Enrollment projections are used across the school system in important forecasting and decision making processes including establishing the school system budget and advancing the capital improvement program.

Within five years system wide available capacity as calculated by the Maryland State Department of Education State Rated Capacity (SRC) formula will be insufficient to meet projected enrollment needs at the elementary school level. There are currently 39 elementary schools that exceed 100% capacity. At the middle school level, total projected enrollment is expected to be within 80% of capacity and high schools within 92% of capacity. 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, often taking years to fully implement. Often a combination of these strategies is employed over consecutive years to manage enrollment growth.

Each strategy has limits to its ultimate effectiveness, dependent on critical variables such as total available space in the school building, available capacity at other nearby schools, suitable space on the campus for relocatable classrooms, and available suitable land for construction.

Ultimately, however, capacity relief strategies are evaluated through the lens of *Blueprint for Progress* goals as the school system strives to maintain instructional environments that are safe and support effective teaching and learning.

Baltimore County Public Schools Capacity Relief Strategies Update



Prepared by
Office of Strategic Planning, August 2011

Blueprint For Progress

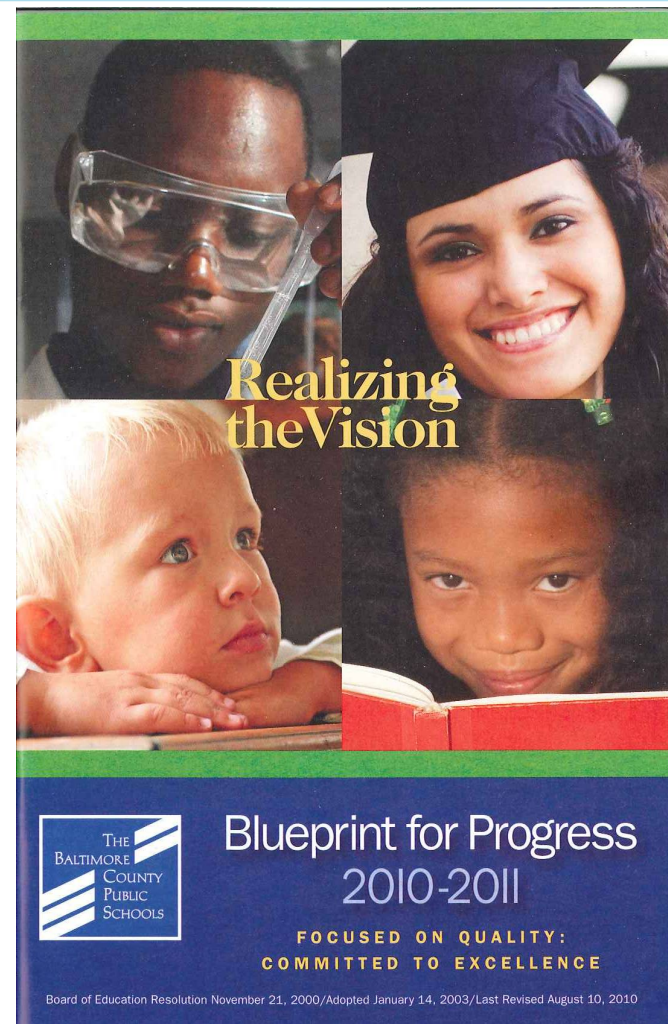


Performance Goal 4

All students will be educated in school environments that are safe and conducive to learning.

Performance Goal 8

All students will receive a quality education through the efficient and effective use of resources and the delivery of business services.



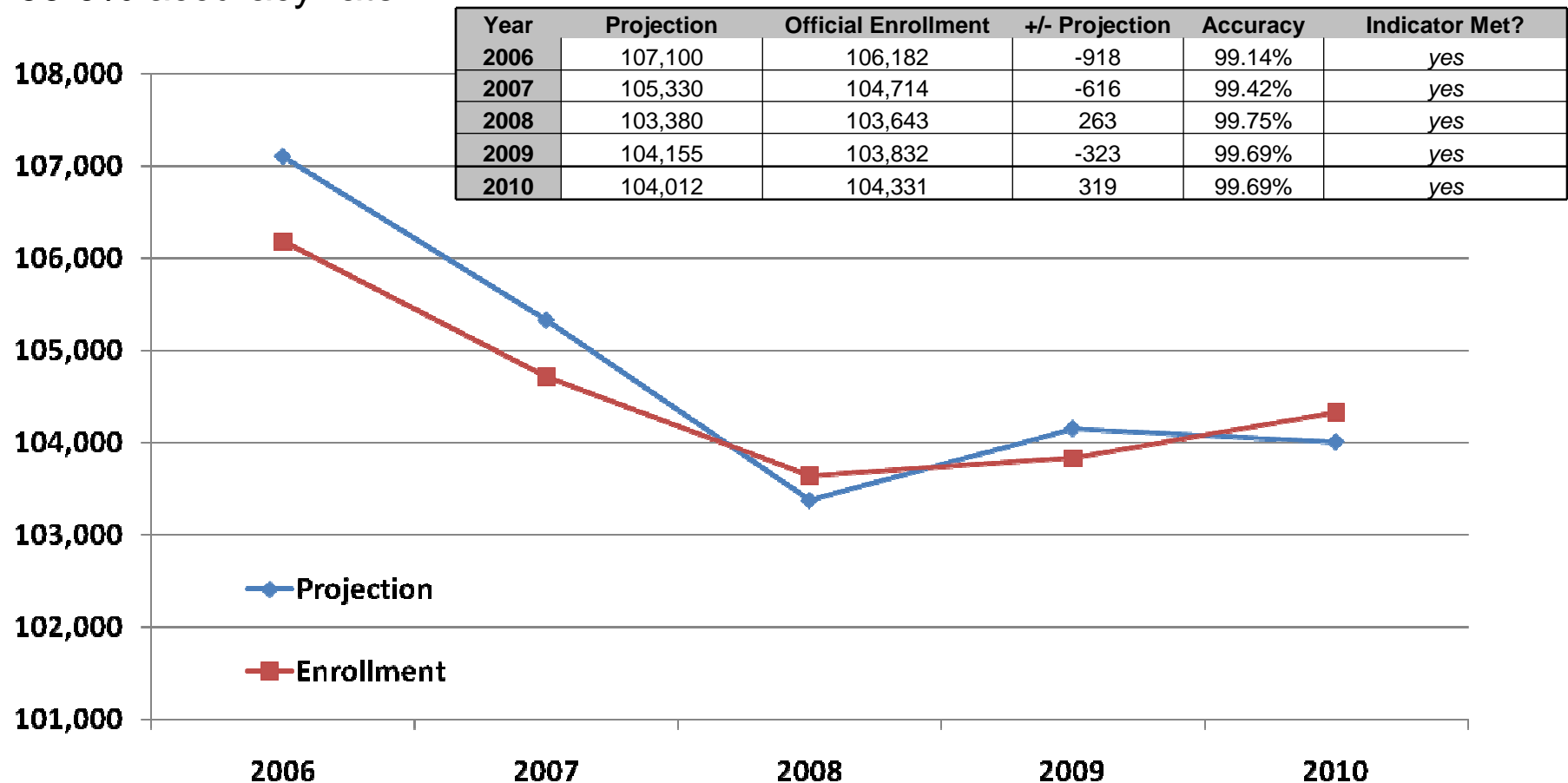
BCPS Planning Process



Objective: to plan for and help the school system manage enrollment growth, decline, and programmatic changes.

Projection Accuracy

Blueprint For Progress Goal 8.5: “The student enrollment projections will have a 99.0% accuracy rate”



Current and Projected Enrollment

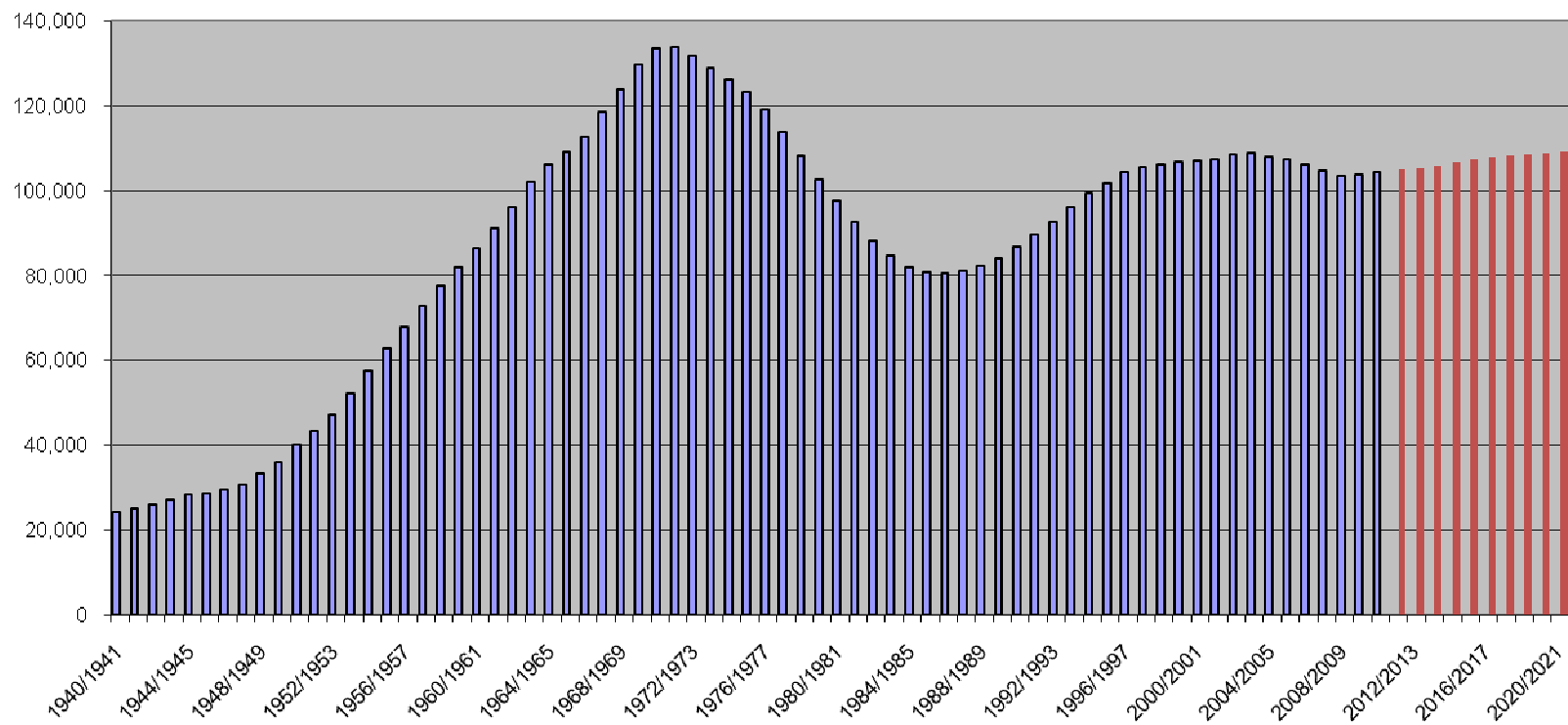


	Current 2010	5 Year 2015	10 Year 2020
• Total	104,331	107,309	109,316
• Elementary	49,314	51,272	52,158
• Middle	22,272	23,094	23,632
• High	31,202	31,437	32,020
• Other	1,543	1,506	1,506

Enrollment History



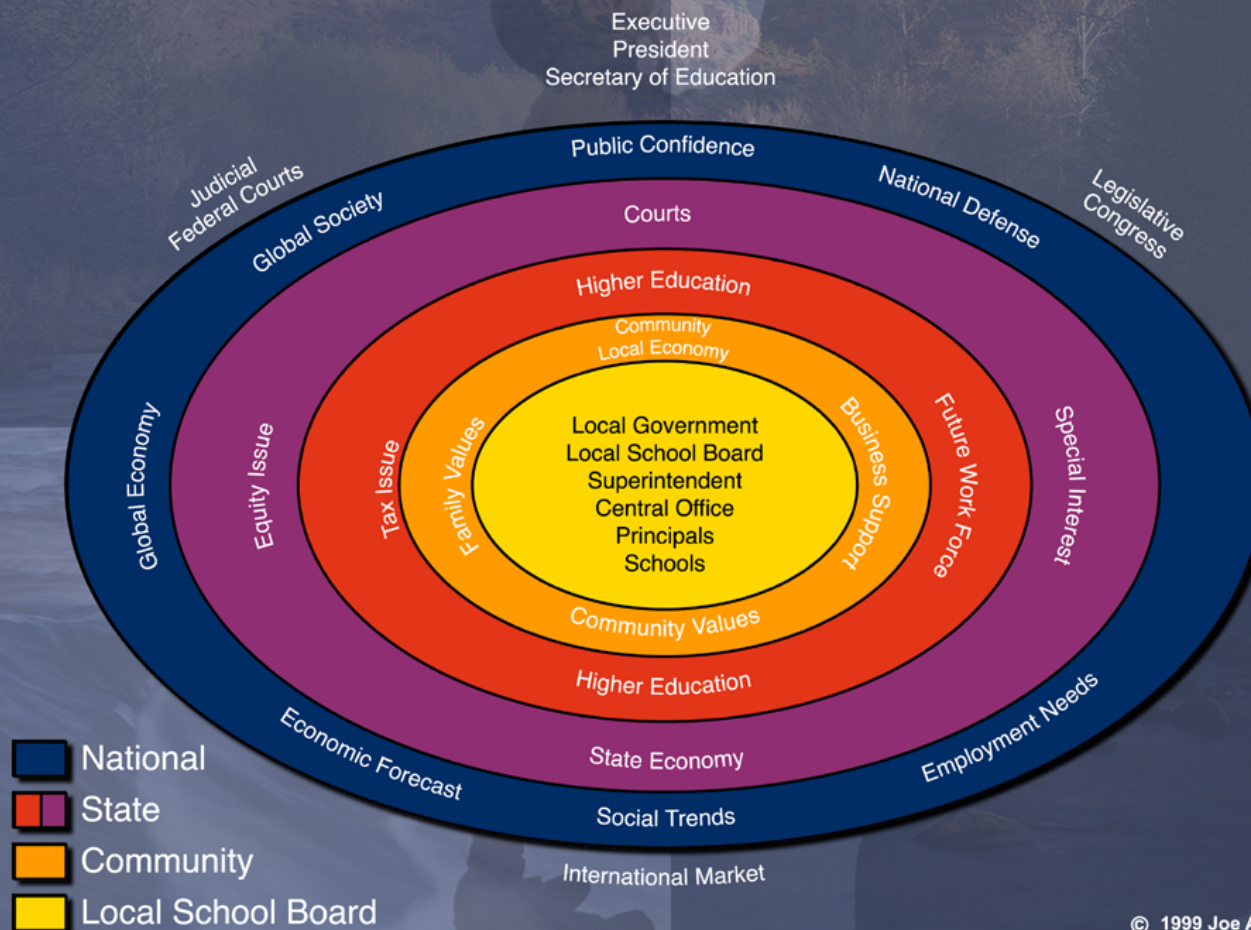
BCPS Enrollments 1940-2010 and Projected 2011-2020



Variables



Variables That Influence Public Education in America



Total Schools, Centers, and Programs



2011

• Schools	
• Elementary	105
• Middle	27
• High	24
Sub-total	156
• Special Education Schools	4
• Centers	10
• Charter	1
• Programs	2
• Total	173

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

Schools and School Capacity



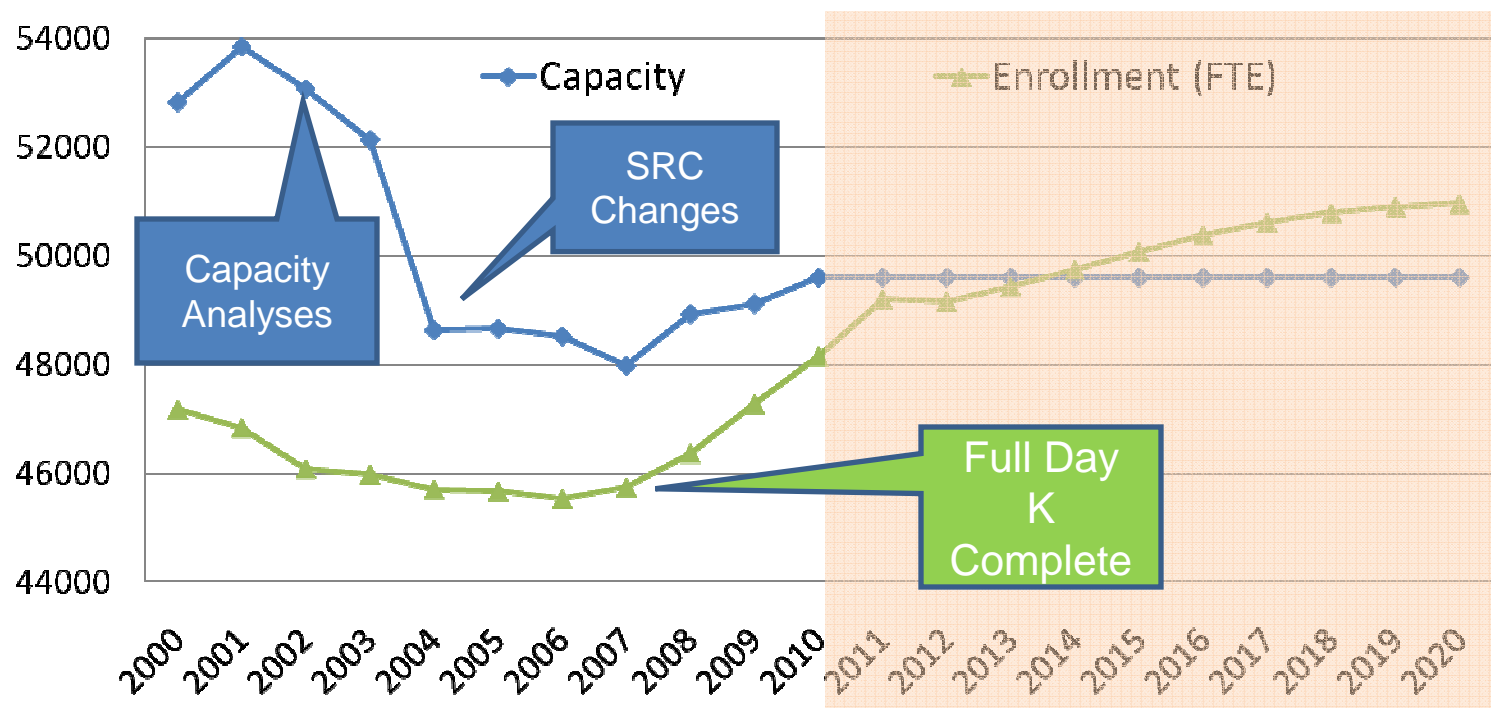
	2000	2010	Difference
• Number of Schools	150	157	+7
• Total State Rated Capacity	116,716	111,532	-5,184



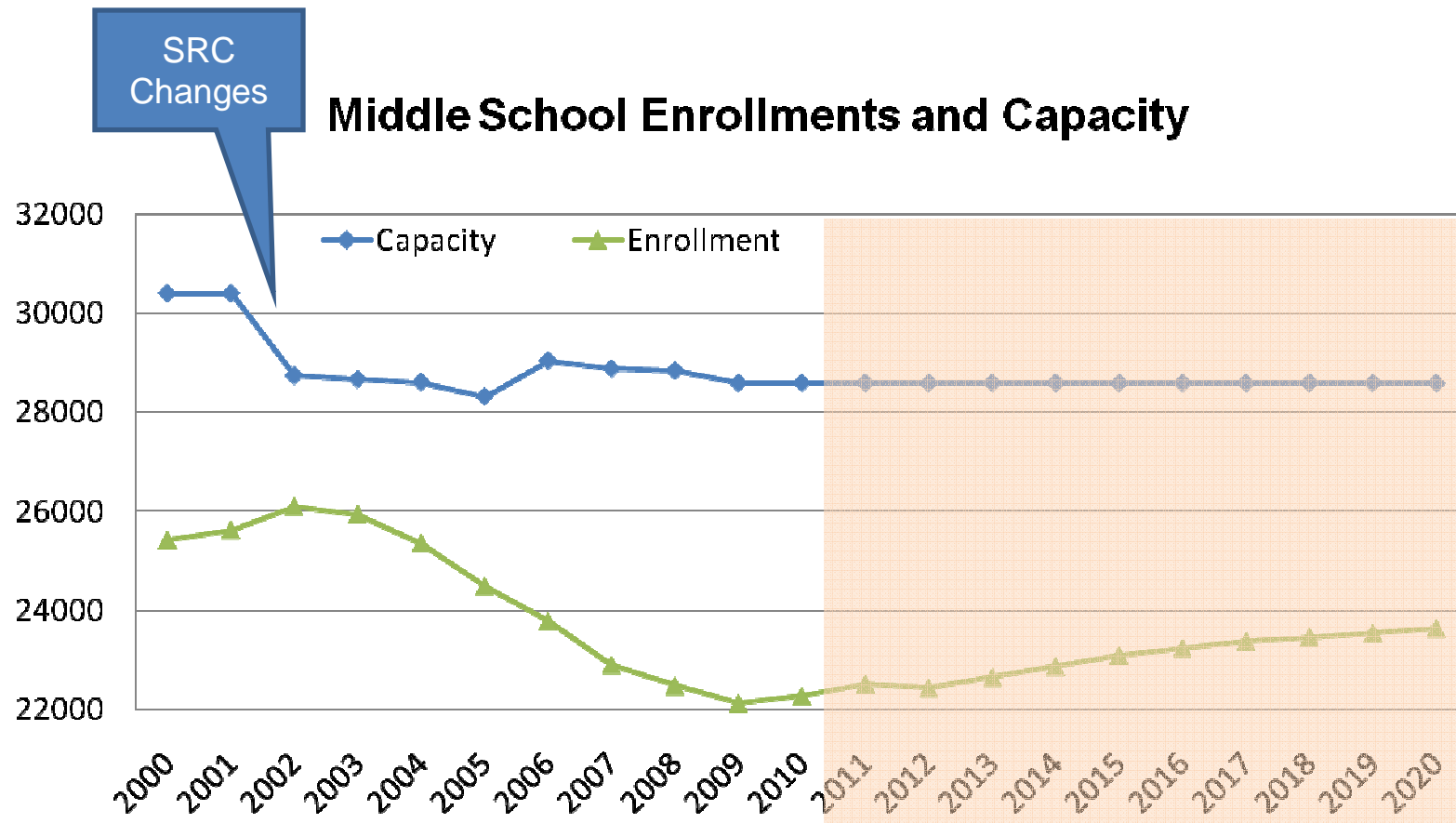
Elementary School Capacity Trends



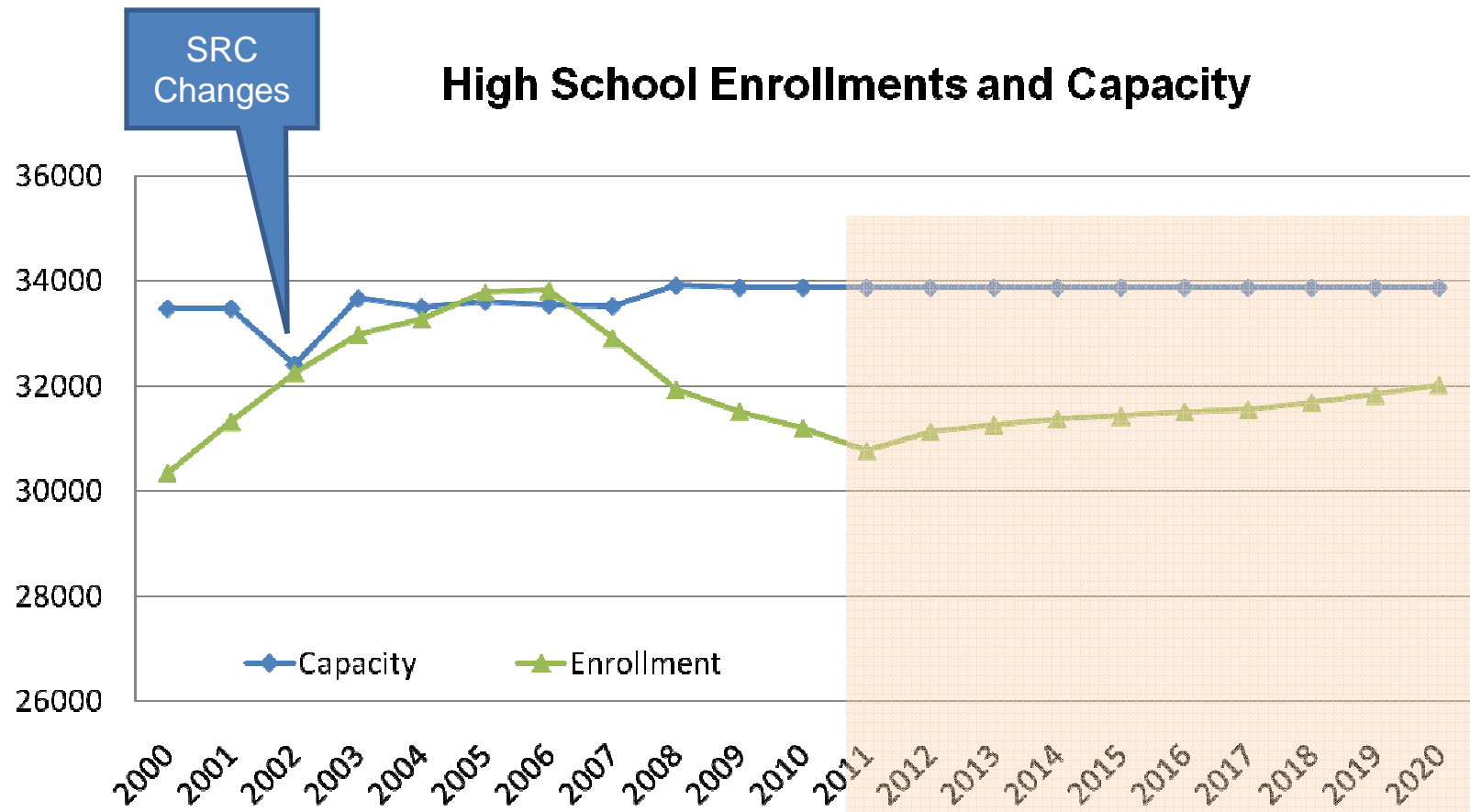
Elementary School Enrollments and Capacity



Middle School Capacity Trends



High School Capacity Trends



Managing Capacity and Enrollment



- Increasing levels of enrollment/capacity trigger progressive responses and considerations for providing relief:
 - 90% of capacity – BCPS considers strategies for providing relief
 - 95% of capacity – MSDE requirement for capital budget consideration
 - 115% of capacity (15% over capacity) -
Baltimore County Adequate Public Facilities Ordinance

Number of Schools Exceeding State Rated Capacity

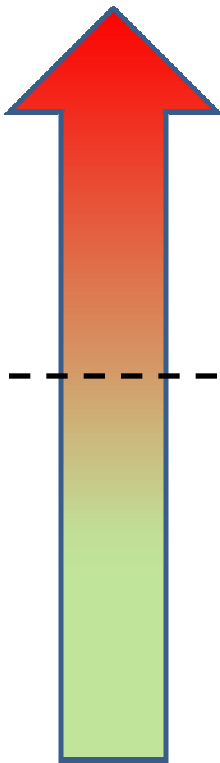


September 30, 2010	100% Capacity	110% Capacity	120% Capacity
Elementary Schools	39	22	8
Middle Schools	0	0	0
High Schools	7	3	0

Relief Strategies/Managing Resources



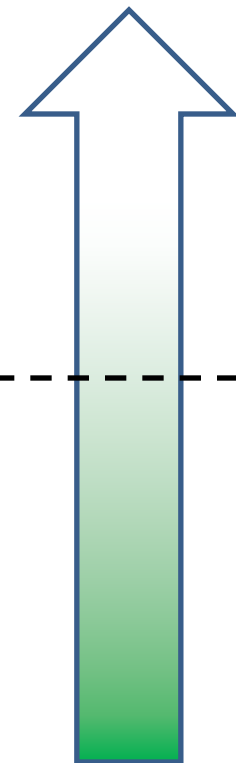
Complex



Simple

- Capital construction
- Permanent/Modular Addition
- Renovations
- Purchase additional relocatable units
- Enrollment caps/Annexing/Redistricting
- Use of existing relocatable units
- Room use recommendations
- Capacity analysis
- Policy review and analysis

High Cost



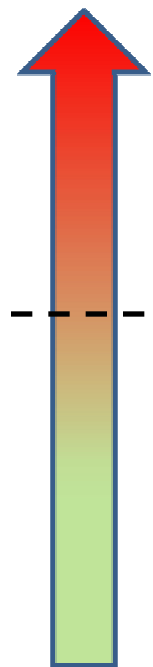
No/Low Cost

Strategies For Providing Relief

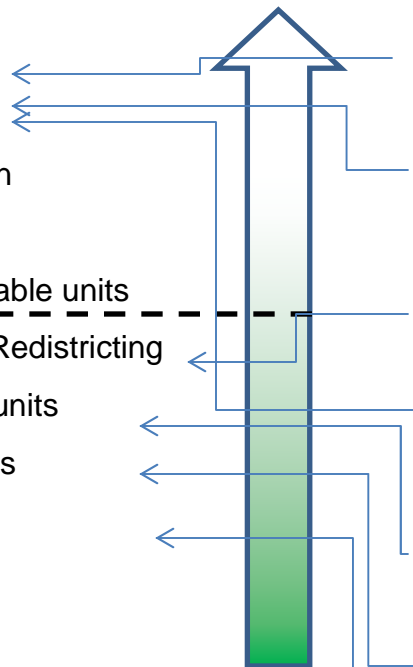
Rodgers Forge ES Example

Complex

High Cost



- Capital construction
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- 8/30/10 West Towson ES opens
- 5/1/09 West Towson ES construction begins
- 8/31/09 Dumbarton Annex
- 10/31/07 Initial CIP request
- 9/04/01 relocatables
- 8/25/08 alternative room uses
- 9/10/07 capacity review

Simple

No/Low Cost

Historical Examples of Managing Enrollment and Capacity



- 8/29/11 New Town ES - Prekindergarten relocation to Deer Park ES
- 8/29/11 Woodholme ES - Prekindergarten relocation to Winand ES
- 8/29/11 West Towson ES – room use
- 8/25/08, 8/31/09, 8/30/10 Hampton ES – relocatable units
- 8/31/09 Chesapeake Terrace ES / Edgemere ES - boundary change to balance enrollment
- 8/25/08 Dogwood ES – annex K to Featherbed Lane ES
- 8/25/08 Deep Creek ES – annex K to Hawthorne ES
- 8/25/03 New Town ES – annex neighborhoods to other schools

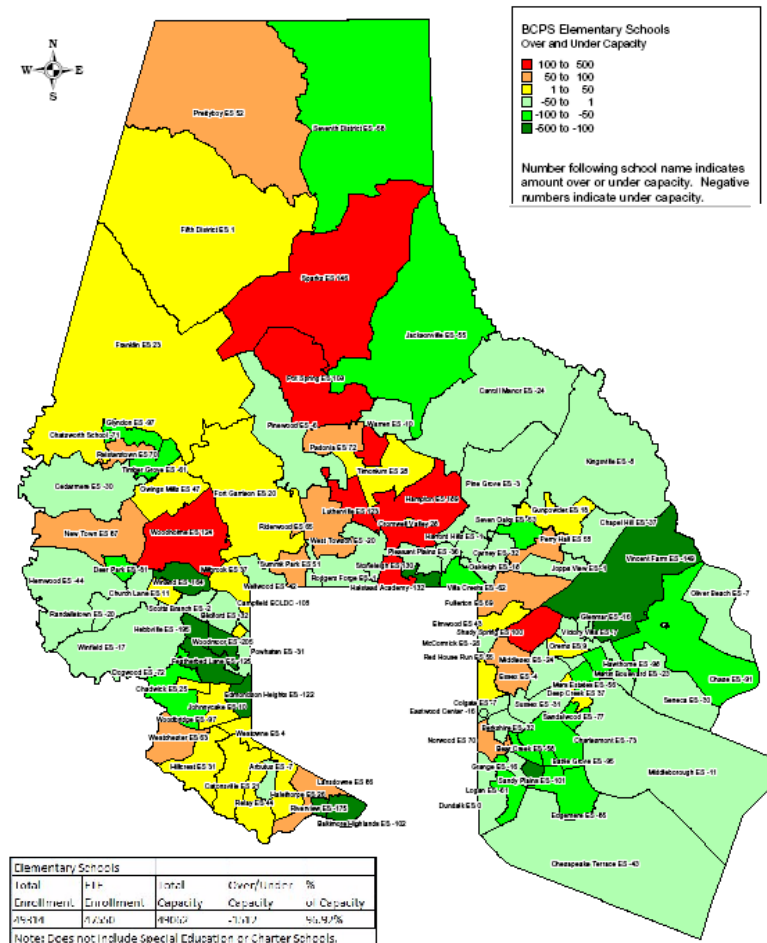
Elementary School Capacity



9/30/2010 BCPS Elementary Schools Over and Under Capacity

Regional/systemwide
redistricting considerations:

- Feeder patterns
- Community school concept
- Geography
- Accuracy of predictive analysis
- Special permission options and programmatic placements
- Aggregate/total capacity

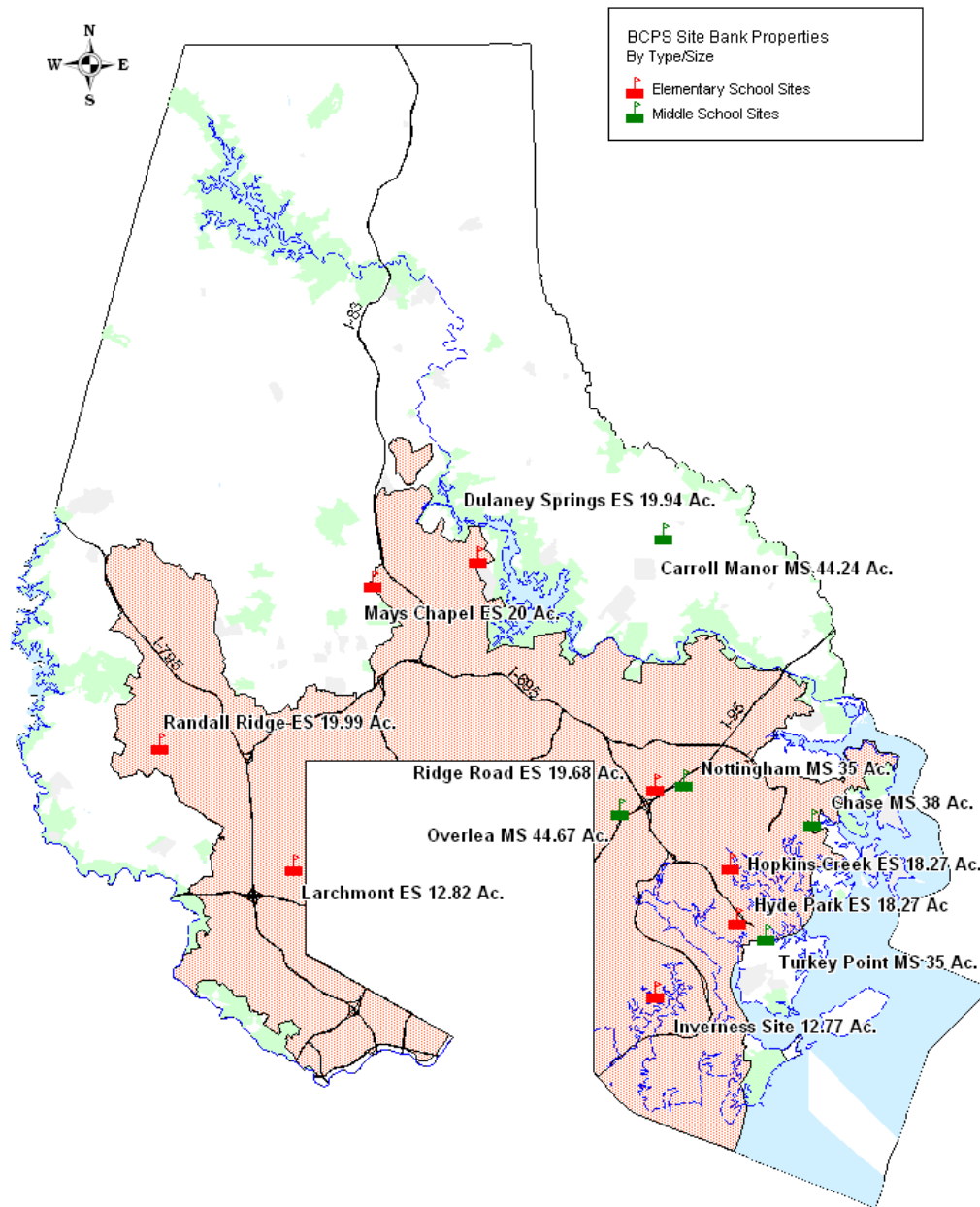


BCPS Site Bank Properties

Total Number of Sites: 13

Site studies conclude:

- 5 “leverage” sites
- 8 viable sites
- All sites subject to MSDE approval



FY 2013 Planning Priorities



Capital Planning Priorities and Recommended Timelines FY 2013 - FY 2017

PLANNING REGION	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
SOUTHWEST					
NORTHWEST		NW Area Elementary Seats *	NW Area Elementary Seats *		
CENTRAL	200 seats Stoneleigh ES				
CENTRAL	700 seats in Lutherville Area				
CENTRAL	200 seats and limited renovation at Hereford HS				
CENTRAL			200 seats Sparks ES	200 seats Sparks ES	
NORTHEAST					
SOUTHEAST					

Project Phase

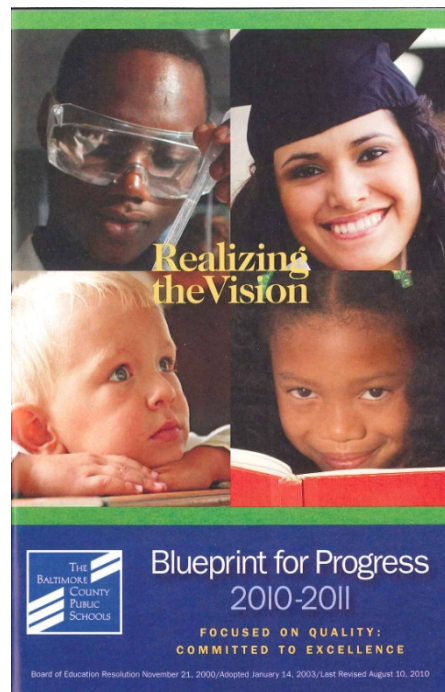
Planning
Funding

Lutherville Area - Lutherville ES, Pinewood ES, Pot Spring ES, Padonia ES, Timonium ES, Riderwood ES, West Towson ES

* Study to be commissioned in FY12



*“As we remain steadfast in our delivery of the highest quality education regardless of a child’s zip code, race, culture, or economic circumstances, these variables have, **without a doubt**, impacted **all** aspects of our operations.*



*As we manage changing variables, our focus is persistent on delivery of service to **all students**, which strategically positions Baltimore County Public Schools as one of the **most successful school systems in our state and nation!**”*

*Joe A. Hairston
FY 2012 Budget
Presentation*