DATE: May 18, 2010

TO: BOARD OF EDUCATION

FROM: Dr. Joe A. Hairston, Superintendent

SUBJECT: REPORT ON DEMOGRAPHIC INVERSION AND IMPLICATIONS FOR STUDENT ACHIEVEMENT

ORIGINATOR: J. Robert Haines, Esquire, Deputy Superintendent

RESOURCE PERSONS: Michele Prumo, Executive Director, Planning and Support Operations
Lisa Williams, Director, Equity and Assurance

INFORMATION

That the Board of Education receives information on the demographic inversion.

Attachment I – PowerPoint presentation
All Means All: Demographic Inversion & Implications for Student Achievement
Overview: All Means All

- Seismic Shifts in Community and Student Demographics
- Decades of Tinkering with Education “Reform” in the United States
- BCPS Accomplishments in Supporting Achievement for All
- Shaping the Future – Know the Variables and Focus on Outcomes
What is Demographic Inversion?

- A term coined in 2008 to describe the phenomenon of the reversal of historical population migration patterns, where the poor are moving to the suburbs and the wealthy are moving back to the city core.
Baltimore’s Inner Harbor

1960’s

1970’s

Today

© Stephen Bay / BayImages.net
Public Housing Demolitions

Flag House Courts, 1955-2001
Last Baltimore City public housing high-rise to be demolished

Somerset Courts 1940’s - 2008
Neighborhood Abandonment

No Minimum No Reserve
To be sold to the highest bidder regardless of price

Rehab Project Investment Potential

<table>
<thead>
<tr>
<th>Needs Total Rehab</th>
<th>Not Rehabilable As-Is</th>
</tr>
</thead>
<tbody>
<tr>
<td>$77,000 Annual Taxes</td>
<td>$66,000 Annual ground rent</td>
</tr>
<tr>
<td>32' x 60' Lot</td>
<td>2 Stories plus basement</td>
</tr>
<tr>
<td>No Back Taxes</td>
<td>No back mortgage</td>
</tr>
</tbody>
</table>

Property Sold As-Is Where Is
Baltimore City 1997–2008
Average Home Sale Prices

Source: Live Baltimore Home Center
Baltimore City’s Harbor East

Vue Harbor East Condos in Baltimore: Live a Life Looking Out on the Waterfront!

by Simon Landau on 25 Jan 2010

One of Baltimore’s most attractive qualities to Baltimore condo buyers, if not the most attractive quality, is the water. Regardless of your opinion on Baltimore as a city, the Harbor’s beauty is undeniable. Take a walk on the waterfront on a warm summer night, with the Harbor illuminated by all of downtown’s buildings, and it will leave you breathless.

The Vue Harbor East Condos put you in a position to experience this visual 360-degree view. Harbor East, located off Aliceanna Street in downtown Baltimore, gives Baltimore condo buyers a chance to purchase a unit with magnificent views and fabulous features.
Upscale Urban Housing Appeal

Michael Phelps makes Olympic-sized splash with luxe Baltimore condo

BY JASON SHEFTELL AND BILL HUTCHINSON
DAILY NEWS STAFF WRITERS

Thursday, August 21st 2003, 11:20 PM

Olympic golden boy Michael Phelps’ life is going so swimmingly he just plunked down $1.69 million for a Baltimore condo with a Jacuzzi and — of course — a pool.

The winner of a record eight gold medals at the Beijing Olympics, Phelps, 23, will have plenty of room at his new luxury digs for his 6-foot-4, 195-pound frame.

Phelps’ pad on the rejuvenated Baltimore waterfront measures 4,080 square feet and has a great view, the celebrity Web site TMZ reported Thursday.

The Daily News reported this week that Phelps’ status as a legendary aquaman could fetch him up to $40 million in endorsements.

His chief sponsor, Speedo, has given him a $1 million bonus for his historic Olympic performance.

Phelps, who is from Baltimore, is spending his bulging bank account on real estate.

Jenna Bush & Fiancé Buy Home In Baltimore

Baltimore (WJZ) — First Daughter Jenna Bush and her fiance Henry Hager are moving to Baltimore after they marry in May.

They have settled on a $445,000 townhome somewhere in South Baltimore.

To find out what you can get for that kind of money, Richard Sher took a house tour with Gianna Franqui of Jackson & Associates Realty.

They toured a renovated three bedroom 2 1/2 bath townhouse on South Charles Street with a price tag of $445,000.

Henry has taken a job with Constellation Energy.

South Baltimore neighbors tell Eyewitness News they hope to run into Jenna and Henry.

© MMX, CBS Broadcasting Inc. All Rights Reserved.

WJZ 13 News

NY Daily News
Thirty years ago, the mayor of Chicago was unseated by a snowstorm. A blizzard in January of 1979 dumped some 20 inches on the ground, causing, among other problems, a curtailment of transit service. The few available trains coming downtown from the northwest side filled up with middle-class white riders near the far end of the line, leaving no room for poorer people trying to board on inner-city platforms. African Americans and Hispanics blamed this on Mayor Michael Bilandic, and he lost the Democratic primary to Jane Byrne a few weeks later.

Today, this could never happen. Not because of climate change, or because the Chicago Transit Authority now runs flawlessly. It couldn’t happen because the trains would fill up with minorities and immigrants on the outskirts of the city, and the passengers left stranded at the inner-city stations would be members of the affluent professional class.

In the past three decades, Chicago has undergone changes that are routinely described as gentrification, but are in fact more complicated and more profound than the process that term suggests. A better description would be “demographic inversion.” Chicago is gradually coming to resemble a traditional European city — Vienna or Paris in the 19th century, or, for that matter, Paris today. The poor and the newcomers are living on the outskirts. The people who live near the center — some of them black or Hispanic but most of them white — are those who can afford to do so.
Total Population Trend for Baltimore Metropolitan Region

<table>
<thead>
<tr>
<th>Year</th>
<th>Baltimore City</th>
<th>Baltimore County</th>
<th>Howard County</th>
<th>Anne Arundel County</th>
<th>Harford County</th>
<th>Carroll County</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990</td>
<td>736,014</td>
<td>692,134</td>
<td>427,239</td>
<td>187,328</td>
<td>182,132</td>
<td>123,372</td>
</tr>
<tr>
<td>2000</td>
<td>651,154</td>
<td>754,792</td>
<td>489,456</td>
<td>247,842</td>
<td>218,590</td>
<td>150,897</td>
</tr>
<tr>
<td>2009</td>
<td>635,311</td>
<td>793,827</td>
<td>514,826</td>
<td>277,926</td>
<td>242,946</td>
<td>171,677</td>
</tr>
</tbody>
</table>

Board of Education of Baltimore County – Retreat, March 20, 2010
White Population Trend for Baltimore Metropolitan Region

- **County**
  - 1990: 588,624
  - 2000: 561,132
  - 2009: 532,809

- **City**
  - 1990: 315,605
  - 2000: 397,789
  - 2009: 398,423

The Baltimore County Public Schools

Board of Education of Baltimore County – Retreat, March 20, 2010
African American Population Trend for Baltimore Metropolitan Region
Baltimore County 2009 Median Household Income by Election District

2009 Median Household Income by Election District
- $100,000 to $125,000
- $75,000 to $100,000
- $65,000 to $75,000
- $55,000 to $65,000
- $45,000 to $55,000

Prepared by the Baltimore County Public Schools
Office of Strategic Planning, March 2010
Source: Baltimore Metropolitan Council, Ekistics Data
Demographic Inversion and BCPS: The Seismic Shift

- **Trends**
  - Enrollment
  - Free and Reduced Meals (FARMS)
  - English Language Learners (ELL)
  - Homeless
  - Prekindergarten
  - Title I Participation
BCPS and Baltimore Metropolitan Enrollments, 1975–2008

The graph shows the enrollment trends for different counties over the years from 1975 to 2008. The enrolment is measured in thousands.

Key:
- **Anne Arundel**
- **Baltimore City**
- **Baltimore County Nonpublic**
- **Carroll County**
- **Harford County**
- **Howard County**
Our Changing Minority Enrollment

1979 BCPS Students by Race
- Hispanic: 0.65%
- American Indian: 0.10%
- Asian: 1.56%
- African American: 10.56%
- White: 87.13%

2009 BCPS Students by Race
- Hispanic: 5.04%
- American Indian: 0.47%
- Asian: 6.11%
- African American: 40.57%
- White: 47.81%
Free and Reduced Meal Students (FARMS) 1989–2009
FARMS Students by Area
English Language Learners (ELL) Students, 1999–2009
ELL Students by Area
Top Ten Native Languages:

1. Spanish
2. Chinese
3. Urdu
4. Tagalog
5. Russian
6. Vietnamese
7. Arabic
8. Korean
9. Yoruba
10. Punjabi
Homeless Students

*2009 data is year to date
Title I Elementary School Participation

![Bar chart showing participation in Title I Elementary Schools from 2003 to 2011. The chart indicates the number of schools with 75% or greater FARMS, 70% to 75% FARMS, and the total FARMS schools. The bars show an increasing trend over the years.](image-url)
Title I Elementary School Participation by Area
1980–1989 National Education Initiatives

- National Commission of Excellence in Education created
- A Nation at Risk report published
- 1st National Education Summit held
- President Reagan visits Suitland High School
- Ronald Reagan, President
- Jimmy Carter, President
- George H. Bush, President
1990–1999 National Education Initiatives

- 1990
- 1991
- 1992
- 1993
- 1994
- 1995
- 1996
- 1997
- 1998
- 1999

George H. Bush, President
Bill Clinton, President

Education Weekly publishes *Quality Counts: A Report Card on the Condition of Public Education*

Goals 2000 Educate America Act signed

1st charter school established in Minnesota

National Education Goals established

BCPS White Students

BCPS Non-White Students

BCPS FARMS
2000–2009 National Education Initiatives

- 2000: Bill Clinton, President
- 2001–2009: George W. Bush, President
- 2008–2009: Barack Obama, President

Key Events:
- No Child Left Behind Act signed
- Race to the Top: Promoting Innovation, Reform, and Excellence in America’s Public Schools
- Thornton Act and Bridge to Excellence enacted in state of Maryland

Graph showing trends for BCPS White Students, BCPS Non-White Students, and BCPS FARMS.
2000–2009 Examples of BCPS Education Initiatives

Teacher Quality and Preparation
- Began College Board partnership
- Began a partnership with Towson University operating professional development school

Academic Rigor and Increased Student Access
- Began offering on-line courses using CaseNex
- Invested in the creation of the Data Warehouse including COGNOS

Enhancing Student Active Engagement
- Increased access to primary talent development, GT, AP course
- Began implementation of Project SEED

Building Infrastructure/Data Driven Decision Making
- Began a partnership with Towson University operating professional development school
- Began implementing of AVID
- Established Superintendent’s Student Advisory Board
- Established College Gateway partnership
- Implemented a co-teaching model to support inclusion of special needs students

- Restructured the teacher/staff salary
- Adjusted the teacher transfer policy
- Opened Bridge Center
- Opened Crossroads Center
- Began participating in the ISO 9000

- Participated in Phi Delta Kappa Curriculum Audit
- Established College Gateway partnership
- Opened the state-of-the-art Chesapeake High School Virtual Learning Lab
- Began the use of AssessTrax

Board of Education of Baltimore County – Retreat, March 20, 2010
Variables

Variables That Influence Public Education in America

- Executive
  - President
  - Secretary of Education
- Legislative Congress
- National Defense
- Courts
- Global Society
- Judicial Federal Courts
- Public Confidence
- Higher Education
- Community Local Economy
- Local Government
- Local School Board
- Superintendent
- Central Office
- Principals
- Schools
- Business Support
- Future Work Force
- Employment Needs
- Special Interest
- Social Trends
- State Economy
- Economic Forecast
- International Market

National
State
Community
Local School Board

© 1999 Joe A. Hairston
Heardlines

MarylandReporter.com
The news site for government and politics in the Free State

Home  Staff Reports  State Roundup  Blog - This Reporter  Foods  Multimedia

Home  Staff Reports  Counties seek blanket permission to cut school aid
Thursday, January 31, 2010

Counties seek blanket permission to cut school aid

By Len Lazarick
Len@MarylandReporter.com

baltimoresun.com

30,000 more poor students in lunch program

By Liz Bowie | liz.bowie@baltimoresun.com
January 22, 2010

Maryland has 30,000 more poor children who qualify for the federal school lunch program this school year compared with last year, a report released Thursday by Baltimore area groups shows.

baltimoresun.com

Growing minority enrollment forces schools to adapt

Howard expected to follow Baltimore County into minority-majority status soon

By Larry Carson | larry.carson@baltimoresun.com
February 22, 2010

By the start of classes in August 2013, Howard County's school system will become the second suburban Baltimore County school system to go minority-majority.

baltimoresun.com

Superintendent's reform plan for Md. schools criticized

By Liz Bowie | liz.bowie@baltimoresun.com
February 22, 2010

Superintendent's reform plan for Md. schools criticized

By Liz Bowie | liz.bowie@baltimoresun.com
February 22, 2010

Achieving tenure, pay to win federal funds

Superintendent's proposals to alter teacher tenure, federal funding - a signal that education reform is on the horizon.

baltimoresun.com

Are unions blocking school reform?

A growing chorus of education observers believe so; here's where they're right—and wrong

Laura Devaney
Managing Editor

In a new film called Waiting for Superman, there's a scene in which hidden-camera video shows a teacher reading a newspaper and looking at his watch while his students fool around. Another scene shows slow-motion footage of teacher union leaders giving speeches opposing school reform.

Directed by the same filmmaker who made An Inconvenient Truth, the documentary could do for education what the latter did for global warming: some observers say. Push the issue into the national consciousness as a dire problem in need of fixing.

Superman investigates student achievement, teacher quality, and assessment as it tries to explain why U.S. students are falling behind, page 32

eSchoolNEWS

Vol. 15, No. 3  $10.00
March 2010

Are unions blocking school reform?

A growing chorus of education observers believe so; here’s where they’re right—and wrong

Laura Devaney
Managing Editor

In a new film called Waiting for Superman, there’s a scene in which hidden-camera video shows a teacher reading a newspaper and looking at his watch while his students fool around. Another scene shows slow-motion footage of teacher union leaders giving speeches opposing school reform.

Directed by the same filmmaker who made An Inconvenient Truth, the documentary could do for education what the latter did for global warming, some observers say. Push the issue into the national consciousness as a dire problem in need of fixing.

Superman investigates student achievement, teacher quality, and assessment as it tries to explain why U.S. students are falling behind, page 32

The Baltimore County Public Schools

Board of Education of Baltimore County – Retreat, March 20, 2010
A Decade of Technology

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009
Healthcare and Biotechnology Emerging

- New $30 million MD State Police Crime Lab in Pikesville
- Employs over 70 scientists
- DNA lab with robotic technology
- Internship program with Villa Julie College

- BWTECH@UMBC
  - 41 acres, 40 tenants, studies include:
    - Mechanical engineering
    - Pharmaceutical research
    - Environmental sampling
    - Biotechnology

Tenants include:
- Lentigen Corp.
- Profectus Biosciences
- Blue Wave Semiconductors
- Creative Systems and Design
- USGS Water Science Center
- BDMetrics
- Goddard Earth Science and Tech Center

- Pharmaceuticals International Inc.
  - $500K business growth loan from Baltimore County in 2008
  - State of the art manufacturing and analytical laboratories

- Johns Hopkins Healthcare and Surgery Center at Greenspring Station
  - Comprehensive healthcare facility
  - Pediatrics/OBGYN
  - Cardiology
  - Neurosurgery
  - Oncology
  - Orthopedic Surgery
  - Physical Medicine and Rehab
  - Radiology Lab Services

- Franklin Square Hospital Center
  - Cyberknife Center
  - Awarded Teaching Hospital Cancer Center by American College of Surgeons

- Pharmaceutics International Inc.
Economic Diversity

- Government: 21%
- Manufacturing: 1%
- Construction: 11%
- Trade, Transportation, Utilities: 10%
- Information: 13%
- Financial Services: 9%
- Professional and Business Services: 11%
- Education and Health Services: 3%
- Leisure and Hospitality: 1%
BRAC Housing Projections

Map E: BRAC TZ Clusters - BRAC Household Demand as a Percent of Expected Total Housing Units (New and For Sale) Available to In-Migrants, 2009 - 2015

Legend

BRAC Installations

TZ Commute Sheds and 
APG and Ft. Meade Study Area

BRAC Household Demand as a Percent of Expected Total Housing Units (both New and for Sale) Available to In-Migrants, 2009 - 2015

1.25 - 2.65%
2.0 - 2.65%
2.5 - 3.88%
2.75 - 3.88%
3.0 - 42.99%
60% - 67%

TZ Cluster with less than 75 BRAC Households
“81% of the entire workforce is concentrated in only seven occupational groups.”

Source: Beacon Associates Report, July 2009
2020 Forecast

“...the pressures of change and new stakeholder demands will create a new future for learning.”
Focus and Direction

We will continue to respond to our rapidly-changing environment and prepare ALL students for successful futures as life-long learners by maintaining our focus on performance through the *Blueprint for Progress*. 
Closing

“We can, whenever and wherever we choose, successfully teach all children whose schooling is of interest to us. We already know more than we need to do that. Whether or not we do it must finally depend on how we feel about the fact that we haven’t so far.”

- Ron Edmonds, Co-founder, Effective Schools Movement, 1979