DATE: November 9, 2004

TO: BOARD OF EDUCATION

FROM: Dr. J. Hairston, Superintendent

SUBJECT: SEPTEMBER 30 ENROLLMENT

ORIGINATOR: J. Robert Haines, Deputy Superintendent, Business Services

RESOURCE PERSON(S): Don Dent, Executive Director, Planning and Support Operations

RECOMMENDATION

That the Board of Education accepts the September 30, 2004 enrollment count prepared by the Office of Strategic Planning.

Background Information: Each year, the official September 30 enrollment numbers are reported to MSDE and a report on the accuracy of enrollment projections is presented to the Board of Education. Annual enrollment data is analyzed each year and 10 year enrollment projections are developed.

Estimated Operating Funds Fiscal Impact: $N/A for FY _______
Possible Funding Source: _________________________________
PROJECTION TIMELINE

- Projections are based on official September 30 enrollment data

- Timeline
  - July through September – Monitor enrollments weekly
  - October – Obtain September 30 enrollments, map students in GIS, reconcile enrollments to prior year projection, form countywide projection for next year
  - November – Develop preliminary 1 year projections by school, input from Area Executive Directors, finalize
• Timeline
  - December – Develop 10 year projections by school
  - January – Staffing discussions
  - March – Justify projections against Maryland Office of Planning Projections
  - April – Adjustments for Woodholme ES and affected schools
ENROLLMENT PROJECTION METHODOLOGY

- Projections are in total headcount, not Full Time Equivalency (FTE)
- Cohort survival model is the foundation for student enrollment projections
  - Accurate history greater than 10 years by school
  - Birth data by elementary school boundary
  - Analysis of trends to project student movement through grades
  - Accurate moving grade data (5-6 and 8-9) for accurate feeder school information
• Linear regression is used as a 2nd methodology to proof projections
• Input solicited from Area Executive Directors and Principals to fine-tune projections
• Yield factors and development are used to assist selection of long-range projections
• Program movement and other factors are considered that impact enrollments
• Reconciled with State projections each spring to assure capital agenda alignment
IMPROVEMENTS IN METHODOLOGY

- Process has been successfully used since 1998
- Continued updating and implementing of resources and data
- Continued and expanding communications with:
  - Maryland State Department of Education
  - Baltimore County Planning Office
  - Baltimore County Budget Office
  - Baltimore County Parks and Recreation
  - Baltimore Metropolitan Council
• Progressive sharing of data and methodology with BCPS leadership, community groups, committees, PTA’s, and BCPS leadership

• Progressive integration and accessibility of Geographic Information System

• Participation in Baltimore County Master Plan Process (e.g., Middle River Community Plan)
HISTORICAL ENROLLMENT DATA

BCPS Historical Enrollment

- Total Enrollment
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**LONG RANGE PROJECTION ACCURACY**
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## ADMINISTRATIVE AREA ENROLLMENTS AND PROJECTIONS

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<td><strong>108015</strong></td>
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Miscellaneous students include home assignment (due to illness or discipline) and evening high school students. In projections, this number is assumed constant from the prior year.
ADMINISTRATIVE AREA ENROLLMENTS AND PROJECTIONS

2003 and 2004 Administrative Area Enrollment and Projection

- Southwest
- Northwest
- Central Area
- Northeast
- Southeast

2003 Project
2003 Enroll
2004 Project
2004 Enroll
## Grade Level Enrollments and Projections

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**NG**
GRADE LEVEL ENROLLMENTS AND PROJECTIONS

2002 and 2003 Enrollments and Projections by Grade

Grade Level Enrollments and Projections by Grade

Enrollment/Projection

Grade

PS  K  1  2  3  4  5  6  7  8  9  10  11  12  NG

2003 Project
2003 Enroll
2004 Project
2004 Enroll
Baltimore County Births and Kindergarten Enrollment

Live Births Relation to Kindergarten Enrollments

- Live Births
- +5 Years Kdg Enrolled

Birth Year

- 1988: 7321
- 1989: 7526
- 1990: 7683
- 1991: 7645
- 1992: 7213
- 1993: 6919
- 1994: 6781
- 1995: 6722
- 1996: 6663
- 1997: 6634
- 1998: 6748
- 1999: 6822
- 2000: 6877
- 2001: 6981
- 2002: 8757

- Born/Enrolled +5 Yrs

- 0 2000 4000 6000 8000 10000 12000
FACTORS THAT INFLUENCE ENROLLMENT

- Residential development, housing market, housing trends
- Law and policy (e.g., House Bill 1230, Informal Kinship Bill, Title I Transfers, *Bridge to Excellence, No Child Left Behind*)
- Parent and student decision (e.g., magnet programs, special permission transfers, home schooling, private/parochial schools)
- Transition to Full-Day Kindergarten
- Program Changes - Special Education delivery models, Magnets, ESOL
- Demographic trends: inmigration, outmigration, and mobility
- Labor changes and economy
The stabilizing of BCPS Elementary enrollments is countywide, and not attributable to a single factor.

This stabilization is extremely fortunate for BCPS this year, 3,500 elementary capacity seats were lost as a result of Grade 1-5 class size reductions.

This leveling of enrollments was an anticipated trend.

The enrollment results support the recently-approved Capital Budget recommendations and their appropriate priorities.

Projections are within 0.11% of the accuracy goal.
NEXT STEPS

- Office of Strategic Planning meetings with each Area Executive Director to discuss enrollments, projection, capacity, and proposed overcrowding solutions

- GIS analyses after student address file is coded, updating thematic maps included in the *Geography of Education*

- Develop 1 year and 10 year projections

- Woodholme ES boundary process, adjust projections after Woodholme ES boundary is finalized