

Date: March 3, 2009

For ACTION _____

For INFORMATION X

Board Agenda: Yes X
No _____

FROM: Margaret Byess, Assistant Superintendent, Finance
John Porter, Assistant Superintendent, Planning and Operations

TO: Morton Sherman, Ed.D.

COPY: The Honorable Yvonne Folkerts, Chair, and Members of the Alexandria City School Board

Central Office Executive Staff

TOPIC: Planning and Zoning School Population and Housing Maps

BACKGROUND: The attached maps from Planning and Zoning were developed as part of a collaborative effort between City and school staff. Data sources from both the City and schools were pooled and the results have been reviewed in a series of meetings. Although the maps are not considered final as yet, we wanted to share the preliminary results with the Board as part of the planning conversation at the March 5, 2009 School Board meeting.

The data produced from this collaboration will be used by both City and Schools. The City will have a reliable data source for estimation of the number of students generated by City development projects, and schools will be able to use this data to fine tune enrollment projections and the impact of development projects on future enrollment trends. Both City and school staff are excited about the work being done and look forward to continued collaboration. We would particularly like to thank the City staff for their hard work in preparing the data analysis and the maps.

The data underlying the maps is still being vetted for completeness and accuracy. For example, some student addresses are not contained in the City's GIS. School staff are researching those addresses. When corrections are made the data will be added and the maps updated. Some housing units do not have complete information. City staff are researching those units. When final maps are available they will be provided to the Board.

The maps should be viewed in the following order. The titles are in the upper right-hand corner.

1. School Enrollment, 2008-2009. Each dot on this map represents an ACPS student. All student data is based on end of September reporting. Elementary school boundaries are shown in blue. City development pressure areas are shown in rose (short term) and tan (long-term).

2. School Enrollment, K-5 2008-2009. Only K-5 students are shown. Other details are the same as for the preceding map.
3. Student Body Density, 2008-2009. This map shows student population on a density continuum, with the highest density shown in the darkest blue and the lowest density in the lightest blue.
4. Student Enrollment Trends by Traffic Analysis Zones, 2000-2009: The height of the bars in each traffic analysis zone (a unit used by the City for demographic purposes) shows the number of students from each traffic zone area. Each different colored bar represents a different school year. The changing height of the bar shows changes in enrollment for each school year. The differences in the height of the bar from one zone to another shows the relative contribution of that zone to school population.
5. Student Enrollment Differences by Traffic Analysis Zones from 2000 to 2008: Changes in enrollment from the beginning to the end of the data period are shown by different colors, with the highest growth shown in the darkest brown and the lowest growth shown in bright yellow.
6. Student Enrollment Differences by Traffic Analysis Zones from 2007 to 2008: The same information as contained on the previous map is shown, but with only the most recent year's data. Comparing the two maps provides some interesting observations. For example, the zone in the triangle between Mount Vernon Avenue, W. Glebe Road, and S. Glebe Road shows the highest level of decrease in population from 2000 to 2008 but from 2007 to 2008 it shows the highest level of increase.
7. Housing Sources: The map shows the source of housing data used for the analysis. Some areas are still under investigation. These are indicated by the green shaded areas labeled "multiple sources or estimated." It is anticipated that these areas will be fully identified in the future.
8. Housing Units Project Status 2/20/09: The type of housing is shown in this map. Additional work is still being done to complete this analysis, including researching the 103 parcels shown in red.
9. Housing Types/Student Ratios: The end product of the preceding analyses is shown in this map. The number of students generated by each housing type has been calculated and is shown in the table. Because there is still data verification occurring on both the student and the housing data, these numbers are preliminary. Additional years of data will also be analyzed to verify the longer term average ratios.

RECOMMENDATION: None

IMPACT: None

CONTACT PERSON: John Porter and Margaret Byess