

BOARD OF EDUCATION OF HOWARD COUNTY MEETING AGENDA ITEM

TITLE:	Attenda	nce Area Adjustment Plans	DATE:	October 22, 2013
PRESEN	ITER (S):	Joel Gallihue, Manager, School Planning		

OVERVIEW:

This document contains redistricting recommendations for the school year 2014–2015. Redistricting is recommended at the middle school level involving the following schools: Bonnie Branch MS, Elkridge Landing MS, Hammond MS, Lake Elkhorn MS, Lime Kiln MS, Mayfield Woods MS, Murray Hill MS, New MS #20, and Patuxent Valley MS.

This recommendation follows the June 2013 Feasibility Study and evaluation by the 2013 Attendance Area Committee. The annual Feasibility Study is a study of long term capital planning and redistricting options. The Attendance Area Committee is appointed in conformity with Policy 6010 School Attendance Areas to provide advice and comment during the development of capital budget and redistricting recommendations. Taken as a whole, this review process includes short-term and long-term considerations and allows systemwide needs and options to be discussed in a transparent manner.

RECOMMENDATION/FUTURE DIRECTION:

Following a series of public hearings and work sessions beginning on October 29, 2013, the Board will be asked to approve the 2014–2015 attendance area adjustments on November 21, 2013.

Submitted by:		Approval/ Concurrence:		
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Attendance Area Adjustments Superintendent's Recommendations Effective Date: School Year 2014–2015 October 22, 2013

Howard County Board of Education

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2013 Attendance Area Adjustments

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I. Introduction

Board of Education policy standards recommend consideration of redistricting under certain conditions. While these conditions include opening a school or adjusting to some other change, the most likely trigger is when school capacity utilization projections fall outside the minimum or maximum target range of 90–110 percent school capacity over a period of time. When redistricting is considered, Policy 6010 School Attendance Areas identifies eleven factors to be considered in the development of plans:

- 1. Educational welfare of the impacted students in both the sending and receiving schools.
- 2. Frequency with which students are redistricted.
- 3. Impact on the number of students bused and the distance bused students travel.
- 4. Cost.
- 5. The demographic makeup and academic performance of students in both the sending and receiving schools.
- 6. Number of students to be redistricted.
- 7. Maintenance of feeder patterns.
- 8. Changes in a school's program capacity.
- 9. Impact on specialized or regional programs.
- 10. Functional and operational capacity of school infrastructures.
- 11. Building utilization. (90–110 percent where possible)

Each year, the Board of Education reviews capital planning options and redistricting scenarios through a feasibility study. This document was published in June 2013. A primary theme of this report was the presentation of a feasible redistricting plan to open the twentieth middle school in Howard County (MS #20), which will be located in the Oxford Square development of Hanover, Maryland. One other long term theme from the feasibility study is considered in this plan. A future elementary school (ES #42) is planned for the Rt. 1 corridor. This school may open in 2019 and will be a feeder to MS #20.

The June 2013 Feasibility Study enabled a discussion of alternatives by a committee of citizens appointed by and advisory to the Superintendent. The committee developed an alternative plan in public meetings. Committee materials were made available to the public on the Howard County Public School System (HCPSS) website.

Direct citizen input for this process actually began spring 2013. Forums were held at Howard and Long Reach high schools. At these meetings, citizens were asked what they valued about the process. They were also asked how plans should be evaluated and what goals should guide the Board of Education. Three central themes emerged which have guided this year's redistricting approach:

- 1. Minimize movement and disruption.
- 2. Consider impact on neighborhoods.
- 3. Create strong feeds.

Other frequently cited ideas were that parents valued the ability to provide their input, transparency of the process, and less frequent redistricting. Staff has responded to this important feedback with some adjustments to the process. A web survey was made available for direct input. After the committee plan was developed, two additional regional meetings were held to allow citizens to work in groups to compare the plans and provide feedback. The attendance area committee was reconvened to reflect on input from the regional meetings and the web survey as well as to provide comments about potential process improvements. The sum of this input has informed the development of this Superintendent's Plan, the final staff recommended plan for middle school redistricting which would take effect in the 2014–2015 school year. This report also gives consideration to feedback given by the Attendance Area Committee (AAC) and members of the general public on the long-range plan. Summaries of AAC deliberations as well as the web and regional meeting feedback have been published to the website. The presentation of this report initiates the Board of Education deliberations about middle school redistricting.

II. Executive Summary

This document contains recommendations for middle school attendance area adjustment changes that may be decided on November 21, 2013, and would take effect in August 2014. This recommendation is made in the context of a comprehensive long-range plan that is adjusted each year in the feasibility study.

The proposed middle school redistricting plan including MS #20 balances capacity utilization and provides much needed relief to nearby crowded middle schools such as Elkridge Landing, Bonnie Branch, and Mayfield Woods, as well as Murray Hill. Additional relief is provided in the Southeastern region using available capacity in the Western region consistent with elementary redistricting approved in 2011. The plan focuses on redistricting needed to open MS #20. It is recommended that wider usage of available capacity be deferred.

After the June 2013 Feasibility Study was published, the Attendance Area Committee (AAC) concluded with a scenario that was similar in scope to the June 2013 Feasibility Study, but different in a few key areas. Both plans would have moved more than 1,100 middle school students. The final Superintendent's plan incorporates additional community input gathered via the web or in regional meetings.

The Superintendent's plan makes use of three recommendations from the AAC. A smaller area is moved from Hammond MS to Lime Kiln MS. The AAC observed that students in an area that is currently assigned to Patuxent Valley MS would have to travel a fairly long distance to go to MS #20 as the June 2013 Feasibility Study recommended. It was instead recommended that this area be assigned to Lake Elkhorn MS, joining a large feed from Guilford ES. This change allowed the committee to plan relief to Mayfield Woods MS from MS #20, which the final plan also adopts.

The Superintendent's plan departs from the AAC plan primarily in scope. For example, the AAC experimented with plans to relieve Ellicott Mills MS and Wilde Lake MS, neither of which has been adopted in the Superintendent's plan. Staff's view was that these alternatives exceeded the original mandate to open MS #20 with the least amount of disruption to students and the community.

Table 1 on page 25 presents the recommendation by polygons and estimated number of students to be moved in 2014. Maps of these changes are shown starting on page 31. The pre-measures and post-measures charts starting on page 35 show long-term impact to capacity utilization. Pre-measures show the effect of projected enrollment without any redistricting, coupled with FY14 Capital Budget projects as approved. Post-measures show the impact of projected enrollment within the redistricting plan (with adjusted capacities as approved by the Board of Education on September 26, 2013) and include capital projects are not approved, other plans must be developed. The assessment charts starting on page 38 evaluate particular considerations from policy. Staff believes this plan successfully balances capacity without substantial negative impact to other considerations in policy.

III. 2013 Attendance Area Committee (AAC) Process

The formation of the AAC is governed by Policy 6010 School Attendance Areas. The committee was comprised of 12 members, including residents from each of the Howard County Public School System's planning areas. A student representative was a full member of the committee. Applications to be on the committee are accepted every spring and an interview process in accordance with Policy 6010 is used to recommend members to the Superintendent. Advertisements were made through HCPSS News and press release. Members of the committee were selected from a pool of 40 candidates.

The 2013 AAC was first convened on July 9, 2013, and meetings were held through August 6, 2013, with all meetings open to the public. Staff facilitators from the Office of School Planning and the Office of Professional Development collaborated to help the committee learn the material and develop scenarios. Meeting summaries, presentations, maps, and assessments of scenarios have been posted to the HCPSS website. Citizens were able to share ideas through suggestion forms or via a survey on the HCPSS webpage. At this writing, 350 comments were received via the web. Web correspondence was shared with the committee for consideration. Between 20–50 citizens attended each committee meeting. A final meeting of the AAC was held October 1, 2013, to discuss feedback received at the regional meetings and potential process improvements.

A. Committee proceedings

In order for the AAC to be effective in making suggestions, staff trained the group to use the various reports and maps to develop scenarios. In the discussion of scenarios, the committee was reminded of Policy 6010 and the guidance it provides. Training this year involved less lecture and more hands-on scenario testing. The meeting on July 9, 2013, was a training presentation with questions and answers. In a practice exercise, the committee examined the fact that the projected enrollment for Lime Kiln MS under the June 2013 Feasibility Study would exceed target utilization in 2014. The group used the scenario testing tool and found that adjacent Clarksville MS had available capacity. A polygon was chosen for movement, the change entered into the testing tool, and the group was able to see the effects of that change at the meeting and in the assessment published after the meeting.

The group was able to review the results of each meeting through documents that were published on the website. They received citizen input from the website the following week as well. On July 16, 2013, the group reviewed the assessment tables staff produces beyond the basic reports from the scenario testing software. They worked in pairs, and then two groups refined the plans. Emerging scenarios 1 and 3 focused upon different parts of the county. These plans evolved further at the July 23, 2013, meeting after a facilitated exercise during which members could note their interests/concerns on charts and maps.

On July 30, 2013, the two group plans were reviewed by staff based upon assessment and policy criteria. The suggestion was made that they could merge the best features of the two plans into one the entire group could support, and the group proceeded with this idea. While the plan was similar in scope to the June 2013 Feasibility Study, differences included:

- 1. An approach to relieving overcrowding at Wilde Lake MS.
- 2. A different strategy for neighborhoods in the Scaggsville Road area that delays crowding of Lime Kiln MS.
- 3. Closer neighborhood assignments for MS #20.
- 4. Some relief of overcrowding at Ellicott Mills MS.

In the August 6, 2013, meeting the committee experimented with a larger plan that would relieve crowding at Ellicott Mills MS. They tested a new plan to address Ellicott Mills MS crowding that built off the AAC plan but was not completed. In the end, the group concluded that a larger plan was changing the nature and scope of the redistricting being conducted. Such a plan would impact schools well beyond MS #20 and would require what is referred to as the *cascade or domino redistricting*, "These are successive changes to boundaries to get to an area with available capacity." When neighborhoods see they are leaving a school attending area only to have some other neighborhood come in behind them, the conversation hardens.

The resulting contrast between the June 2013 Feasibility Study plan and the AAC plan allowed for comparison at the regional meetings. Some of the AAC members participated in the regional meetings and were able to help the public better understand the plans. The group returned for a final meeting on October 1, 2013, for a summary and recap. The

group was presented with a summary of feedback received via the web and in regional meetings. Then the group was engaged in a plus / delta evaluation by facilitators.

Plus	Delta
What helped me as a member of the AAC this year?	What suggestions do you have for improvement?
What processes and structures helped your group move forward?	What advice would you offer future AAC work groups?

Figure 1 – Plus / Delta Analysis Questions from Meeting #6

"What helped me as a member of the AAC this year?"

Many of the committee members found an experiment we tried with web mapping helpful. Considering redistricting options often requires layers of geographic data. Paper maps that are large or have too many layers become cumbersome. The map we used was accessible online. The public had access to the same information in PDF format. Committee members appreciated the ability to add and subtract layers so they could better understand the differences between scenarios. The scenario generating software (Whiffer) was appreciated by the committee because it allowed the group to test scenarios in real time. Returning members were able to help answer questions that came up at meetings. Members found the meetings to be well organized.

"What processes and structures helped your group move forward?"

Members found that establishing a goal at the outset and revisiting that goal helped the committee be effective. The AAC members found the facilitators helped to move groups forward. Weekly reports of web input were also helpful.

"What suggestions do you have for improvement?"

Members felt they would like to get more information prior to the first meeting. One suggestion was to make a webinar. Another suggestion was to bring in an educational expert to explain how MSA Scores and FARM information should be evaluated in the context of redistricting. More user friendly data or map tools were desirable. For observers, better sound and seating were recommended. Some observers did not understand the concept of maps being a work in progress. AAC members valued participation in public forums to hear first-hand from families who were being affected.

The number of meetings was decreased this year. Five meetings allowed a feasible plan to be developed, but no time for evaluation or exploration of other ideas beyond the initial scope.

"What advice would you offer future AAC work groups?"

It is recommended that future members take the time to absorb the material, ask lots of questions, and keep an open mind. Organizing one's personal life so they can come to the meeting ready to work is important. The student member was highly valued for her perspective; future student participation is recommended. Not all members were available to participate in regional meetings. The members who were able to do so suggest that this participation be required so they can listen to the community members impacted by plans.

B. Public Input

Community input remains an important part of the process. Changes were made to help improve public input this year through electronic correspondence and by adjusting the regional meeting format to allow interactive discussion. Staff is committed to a study of further improvements, but these changes seemed to have been very favorably received.

For a number of years, staff has considered the number of email messages received as a positive indication of outreach. However, as the volume of correspondence has rapidly increased, we are unable to process the key points being raised by the community in a timely manner. In addition, our efforts to be transparent by publishing the email with names removed resulted in complaints that spammers had collected email addresses from our website.

The new method of collecting information is via a web form. It is much easier to collect, but more importantly, has enabled us to keep up with the comments and easily remove identifying information and share them with the committee and the community via our website.

Our regional meeting format changed to reflect our success with the spring public input forums. While the spring forums may not become a regular feature of future redistricting, the technique seemed to be an improvement to the general question and answer format used in past regional meetings. In recent years, the regional meetings had become extremely acrimonious, and were not satisfying or meaningful to either staff or the public. The new format sparks conversations that are then recorded by a facilitator. Staff and volunteers contributed over 180 hours to meetings. This made it easy for participants to find someone to discuss their concern or question. The facilitation format and web form allow better collection of input. Because of these efforts, the Superintendent's plan utilizes ideas that have come from the community.

What we are Hearing

Guiding Principles

Both the June 2013 Feasibility Study and AAC plans were guided by the principles expressed by the community throughout the process:

- 1. Minimize movement and disruption.
- 2. Consider impact on neighborhoods.
- 3. Create strong feeds.

These factors and others are discussed in detail below, and certainly this plan opens MS #20 with movement of the least students possible. The plan creates strong feeds where possible and considers neighborhood impacts. The resulting plan conforms to policy and these principles.

Number of Students Moved

This plan moves a projected 1,177 students and was developed on the premise that less redistricting is preferable and focuses upon the opening of MS #20. This year and as in previous years we have heard significant feedback supporting minimizing the number of students being moved, and objections to domino type redistricting. This type of planning requires more movement and it requires schools that are within target utilization to see significant change. As long as a domino approach is taken, some schools will be in the middle of the proposed movement and see a high absolute change in student population, particularly when the available capacity is distant from the need. An effort to relieve Ellicott Mills MS would require this type of redistricting and would at least double the number of students moved. Some domino movement is associated with Patuxent Valley MS, but it is minimal because Patuxent Valley MS is directly between an over-capacity Murray Hill MS and new capacity at MS #20.

Some commented that the goal of reducing movement makes plans too conservative and some schools left above 110 percent utilization. It was observed that some families prefer the stability of a longer lasting plan. Others suggested that we move as few students as possible. The contrast of these comments illustrates an ongoing dilemma in redistricting planning.

Neighborhoods

There is often concern about splitting neighborhoods. Criticism of plans is often rooted in a fear that school boundaries will be drawn through different residential subdivisions that residents believe should not be divided. An example this year is polygon 1272, which is currently assigned to Murray Hill MS and proposed for Patuxent Valley MS. Policy considerations all appear to be geared toward student welfare and the function of the school. While the word "neighborhood" is not actually mentioned in the policy, staff recognizes the value parents place on keeping neighborhoods together. In the case of polygon 1272, two priorities are competing against each other—a desire to keep a neighborhood together, versus a desire to maintain strong feeds. If this polygon were to remain at Murray Hill MS, it would be the only Forest Ridge ES neighborhood assigned

to Murray Hill MS and would be a 2.5 percent feed. By following the recommended plan, this neighborhood joins a 50.4 percent feed with many students the residents of polygon 1272 will know from attending Forest Ridge ES. The feed policy primarily relates to student welfare, but it can also reinforce community connections.

Feeds

Many people supported the idea of keeping feeds at 15 percent or better and avoiding double small feeds. Some wondered how much thought is given to high school feeds and suggested we develop "straight feeds" to high school. Some commented we should create the fewest number of feeder schools possible and wondered if we could have 100 percent feeds. The terms "straight feed" and "pure feed" have raised questions for staff because they are not operationalized in policy. For the purposes of this report, they are assumed to mean complete or 100 percent feeds, in which the lower level school feeds only one higher level school. For this report, the term complete is selected to describe a situation in which a lower level school feeds no other.

Redistricting Process

Community feedback received during this process continued to emphasize what we already know is true; the threat of dislocation can cause significant stress to student, parents, and communities. While this year's improvements to the process have received high marks from stakeholders, it is clear that the community is still looking for different alternatives to implement the process laid out in policy. Suggestions from the community included, providing the option of open enrollment or magnet programs, allowing eighth graders to stay at their former school assignment, and conducting a single district-wide reconfiguration of attendance boundaries. At the conclusion of this year's process, the system will likely be taking an extended break from redistricting and staff will be studying other approaches for the Board of Education's review. This report was developed under Policy 6010 School Attendance Areas, which states that the Board of Education is scheduled to open or if other conditions are met, including projections outside minimum and maximum target enrollments. These two conditions exist at the middle school level, consequently a redistricting plan is recommended.

Concentration of Students Receiving Free and Reduced-Price Meals (FARM)

Within the discussion about specific schools, general comments were made about the concentration of students who qualify for free and reduced-price meals. Some have objected to increases in FARM percentages at one or more schools by plans, believing that a lower income translates into lower test scores. Others have suggested that we redistrict to balance FARM percentages and test scores between schools. This plan was not developed with such an objective, but we examine the potential effect of any plans on these measures. FARM, in and of itself, is a program to ensure students have adequate nutrition so they perform well in school. Discussion of the impact of changing the balance of FARM in particular schools has elicited passionate debate during every recent redistricting process. This matter probably requires further analysis and is clearly beyond the scope of opening MS #20.

Transportation

Most meetings included discussion favoring shorter travel distance and less expense, particularly when students were required to pass the nearest school. Some suggested bus rides should not be greater than 10-15 minutes. More information about pupil transportation is available at: www.hcpss.org/schools/transportation/.

Website

We had suggestions for posting polygon base reports online, increasing the size of fonts, and making information more prominent. We heard that web updates should be instant. There was a suggestion that the public have access to interactive maps, and a request that we send out a flash when updates are made. We will coordinate with the webmaster to continue to improve the website.

Process Improvement

One suggestion this year was to provide interpreters. In researching how other jurisdictions handle redistricting, we discovered that Fairfax County, Virginia, has an interesting approach. They have found that the provision of dinner and child care at night meetings brings a wider audience than the provision of interpreters. When language barriers are identified, someone in the meeting will usually volunteer to help, or follow up can be arranged.

Some wondered if we could make redistricting easier to understand. Perhaps changes could be communicated by neighborhood names rather than polygons. It may be possible to improve FAQs or provide information for new residents.

Bonnie Branch MS

This plan relieves crowding at Bonnie Branch MS by moving a section to Mayfield Woods MS. These polygons, (76, 1076, 83, 1083) are the only residential areas currently assigned to either Waterloo ES or Bellows Spring ES and Bonnie Branch MS. Consequently, two small (approximately five percent) Bonnie Branch MS feeds from these schools are removed. An area assigned to Waterloo ES remains at Bonnie Branch MS; however, it is non-residential. The primary feeds to Bonnie Branch MS are Ilchester ES and Phelps Luck ES. There is a small feed remaining from Rockburn ES. Most of our feedback came from this area (polygons 91 and 3091) and opposed movement to Elkridge Landing MS.

Since nearly all of Phelps Luck ES currently feeds into Bonnie Branch MS, the move of polygons 70, 1070, and 2070 (approximately 40 students) from Mayfield Woods MS to Bonnie Branch MS is recommended. This results in a complete Phelps Luck ES feed to Bonnie Branch MS and eliminates a small Phelps Luck ES feed to Mayfield Woods MS. It also relieves some of the projected crowding at Mayfield Woods MS.

The Rockburn Township community is in polygons 86 and 1086 and the Landing Road area includes polygons 1091 and 2091. All of these polygons are assigned to Rockburn ES and Bonnie Branch MS and are a part of a small (12.5 percent) feed. The June 2013 Feasibility Study as well as the AAC plan recommend these polygons go to Elkridge

Landing MS. This plan retains that recommendation. These neighborhoods are close to the Bonnie Branch / Ilchester campus, but also have good access to Elkridge Landing MS.

Moving these areas would not create a complete feed from Rockburn ES to Elkridge Landing MS. Polygons 91 and 3091 would remain at Bonnie Branch MS forming a 2.2 percent feed from Rockburn ES. This may seem like a negative but there is strong support for these polygons remaining at Bonnie Branch MS. There is support for changing their elementary assignment from Rockburn ES to Ilchester ES which would eliminate the 2.2 percent feed from Rockburn ES to Bonnie Branch MS. Much of this support is because the neighborhoods are so close to the Bonnie Branch MS / Ilchester ES campus. Some pending sidewalk improvements will allow the walk area to be expanded.

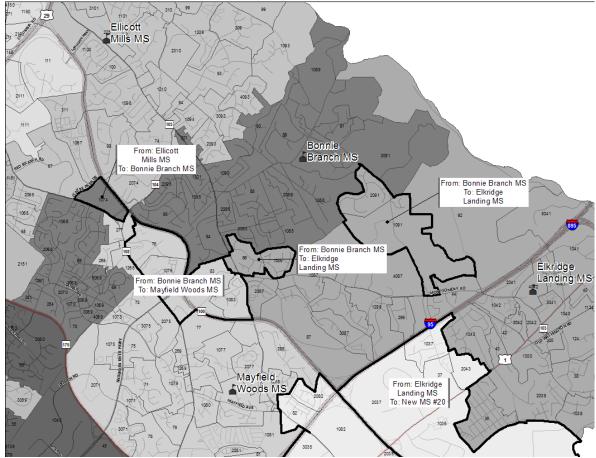


Figure 2 - Bonnie Branch MS recommendations.

Mayfield Woods MS

This plan relieves Mayfield Woods MS significantly. Without the changes in this plan, Mayfield Woods MS would have exceeded target utilization and been at 120.8 percent utilization in 2018. This is accomplished by moving 12 polygons out of Mayfield Woods MS into MS #20. Four polygons (76, 83, 1076, and 1083) are moved in behind as a cascade or domino move from Bonnie Branch MS, but they fix existing small feeds.

Three other polygons 70, 1070, and 2070 are recommended for reassignment to Bonnie Branch MS. This makes a complete feed from Phelps Luck ES to Bonnie Branch MS and eliminates a small feed from Phelps Luck ES to Mayfield Woods MS.

The AAC experimented with moving four different polygons (298, 1298, 82 and 2082) out of Mayfield Woods MS to MS# 20, all of which feed from Bellows Spring ES. We have heard objections from residents in each of these polygons to the change. This plan only moves two of those four polygons proposed by the committee. The decision to move the two was based upon the natural break that separates 82 and 2082, which have sole egress to Meadow Ridge Road, from 298 and 1298. This plan also considers the Bellows Spring ES to MS #20 feed, which will start at 10.9 percent, but with the Blue Stream development, will rapidly grow above 15 percent.

This plan has objections, including the concern that children will have a lack of connection to the physical neighborhood of Oxford Square. The area proposed for MS #20 is beyond the walk area for Mayfield Woods MS and will bus either way. Some feel that I-95 and the Meadow Ridge Cemetery are isolating. The Route 1 area consists of residential interspersed with non-residential, so this is not unusual. Some suggested moving polygon 36 instead, but since that polygon is assigned to Elkridge ES, such a move would result in a small feed which will not grow over time.

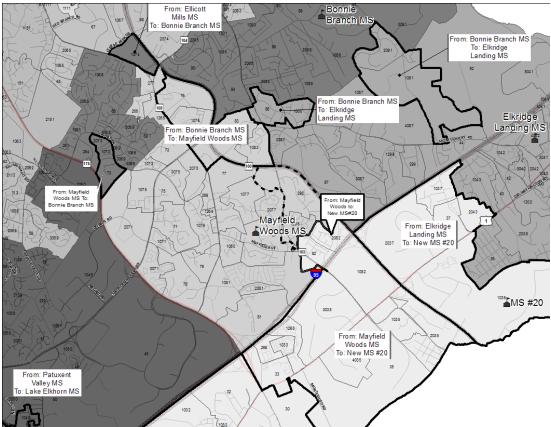


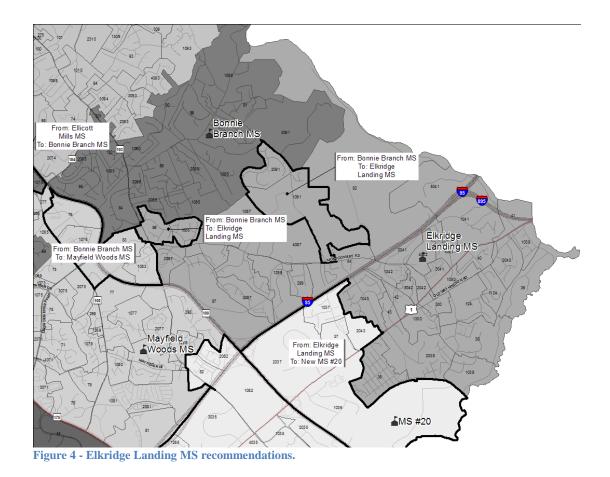
Figure 3 - Mayfield Woods MS recommendations. (Dashed line recommended in other plans)

Elkridge Landing MS

This plan recommends moving polygons 37, 1036, 1037, 2037, and 2043 from Elkridge Landing MS to MS #20. For 2014, this plan removes an estimated 155 students from Elkridge Landing MS. Approximately 65 students are moved in, reinforcing the Rockburn ES to Elkridge Landing MS feed. Capacity utilization for 2014 at Elkridge Landing MS is reduced from 101.4 percent to 90.4 percent utilization. Elkridge Landing MS is projected with this change to remain within target utilization for the foreseeable future. This long-term planning strategy enables Elkridge Landing MS to contain any growth in the assigned attending area with a strong feeder relationship.

All of Elkridge ES and most of Rockburn ES will feed into Elkridge Landing MS under this plan. Improving the Rockburn ES feeder relationship to a complete feed at Elkridge ES has been considered in developing this plan. Strong feeder relationships have also been an objective of the community as articulated in communication from the Greater Elkridge Community Association Schools Committee. The movement necessary to accomplish this has been considered in elementary redistricting last year as well as this year. When the 2013 elementary redistricting was ultimately adjusted to reduce movement, polygons 32 and 1032 were assigned to Rockburn ES. These polygons will now be a 9.2 percent feed to MS # 20, but later they will likely be assigned to ES #42 in a large or complete feed from that school to MS #20. All that would remain for Rockburn ES to be a complete feed into Elkridge Landing MS is the assignment of Polygons 91 and 3091 to Ilchester ES. While elementary redistricting is not part of this recommendation, this idea will be given further consideration.

Community feedback indicated that polygon 1037 is closer to Elkridge Landing MS than MS #20. The driving distance has been evaluated and the difference is approximately five minutes. This polygon would join a large feed from Ducketts Lane ES to MS #20 which then feeds to Long Reach HS. There is no other Ducketts Lane ES feed to Elkridge Landing MS. Keeping polygon 1037 at Elkridge Landing MS would result in a small feed at both levels.



Middle School # 20

This plan relieves crowding directly by movement from Elkridge Landing MS and Mayfield Woods MS to MS #20. Murray Hill MS is given relief via movement through Patuxent Valley MS, and Bonnie Branch MS via movement through Mayfield Woods MS. Where cascade or domino movement has been recommended, it also reduces small feeds at the schools that have been subjected to this movement. Mayfield Woods MS has one fewer small feed and Patuxent Valley MS will have none. The moves proposed in this plan would open MS #20 at just below 80 percent utilization in the first year. Opening MS #20 below target utilization in this circumstance, with the potential for development approvals in the area, seems quite prudent.

The result is a complete feed from Ducketts Lane ES to MS #20. There will be three small feeds at MS #20 when the school opens, but all of these feeds are expected to grow with development in the Route 1 area. The future opening of ES #42 will likely absorb these areas and create a very large and perhaps complete feed, from ES #42 to MS #20.

MS #20 is located in the northern portion of its attending area. The development pattern in this area is such that residential communities are scattered between large areas that are not residential. This location does require bussing for any community outside of Oxford Square. The June 2013 Feasibility Study even recommended areas assigned to Guilford ES on the north side of I-95 be assigned to MS #20. The committee agreed with web feedback that this was too distant. Some residents observed that there were closer options for this neighborhood, like Lake Elkhorn MS, which is now recommended in this plan.

Patuxent Valley MS

This plan sends nine polygons from Patuxent Valley MS to MS #20 as well as three to Lake Elkhorn MS and five to Hammond MS. This allows 14 polygons from Murray Hill MS to be moved into Patuxent Valley MS. These cascade moves are prudent when feeds and long-term utilization of adjacent schools are considered. Patuxent Valley MS currently has six feeds, three of which are below 15 percent and none exceeding 40 percent. The resulting plan will have two complete feeds to Patuxent Valley MS from Forest Ridge ES and Bollman Bridge ES.

Some raised questions about why the plan takes Patuxent Valley MS below 90 percent utilization. As with MS #20, this is to retain capacity for growth. The Guilford ES attending area south of I-95 is being sent by this plan to MS #20, which will form a 17.2 percent feed. Some did object to the distance to MS #20.

A valid concern raised by the community is that Patuxent Valley MS will lose one-third of its current population, with 247 new students projected to move in from Murray Hill MS while 287 existing students will leave for MS #20. (See Table 1) It is true that Patuxent Valley MS is changed by this plan; however, staff felt that the improvement in the elementary feeders outweighed this weakness. Note that moving neighborhoods directly from Murray Hill MS to MS #20 would result in even longer rides for students. For example, some proposed that Route 1 form the boundary between Patuxent Valley MS and MS #20. This idea would result in North Laurel students traveling most of the east side of the county to get to MS #20.

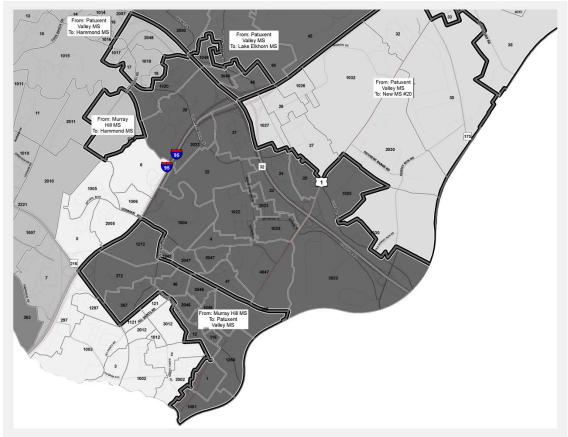


Figure 5 - Patuxent Valley MS recommendations.

Murray Hill MS

As noted above, this plan moves 14 polygons out of Murray Hill MS to Patuxent Valley MS and none are moved in. This is necessary because Murray Hill MS exceeds target utilization now at 131 percent. While some object to leaving, clearly the school needs relief. This plan elects to keep the Gorman Crossing ES feed as well as the Laurel Woods ES feed. Gorman Crossing ES shares the same walk neighborhoods as Murray Hill MS. A substantial portion of Murray Hill MS (currently 20.3 percent) is also fed from Forest Ridge ES but all of Forest Ridge ES will feed to Patuxent Valley MS in this plan. Aligning the Forest Ridge ES feed with Murray Hill MS and the Laurel Woods ES feed with Patuxent Valley MS would have resulted in much higher movement and transportation costs.

Some of the most significant community feedback came from polygon 1272, or the eastern portion of the Emerson neighborhood. They oppose movement to Patuxent Valley MS. There was objection that Laurel neighborhoods drive through eastern Emerson to get to Murray Hill MS, but get to stay at Murray Hill MS. It was suggested that these neighborhoods move to Patuxent Valley MS instead. Some felt their area could be walkers to Murray Hill MS, but this would not conform to policy and presents the concern of students walking over I-95. While Emerson is on both sides of I-95, the map shows the Forest Ridge ES attending area is only on the southeast side of I-95, including

polygon 1272. The map also shows how the plan results in a complete feed of Forest Ridge ES to Patuxent Valley MS. (Bollman Bridge ES will be the other complete feed.) Murray Hill MS will consist of two complete feeds from Laurel Woods ES and Gorman Crossing ES.

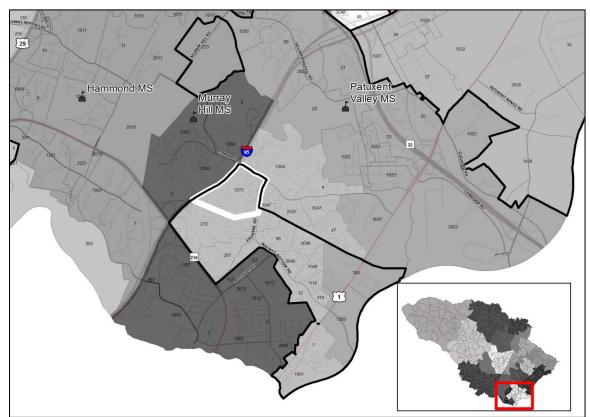


Figure 6 - Murray Hill MS recommendations (Polygon 1272 highlighted)

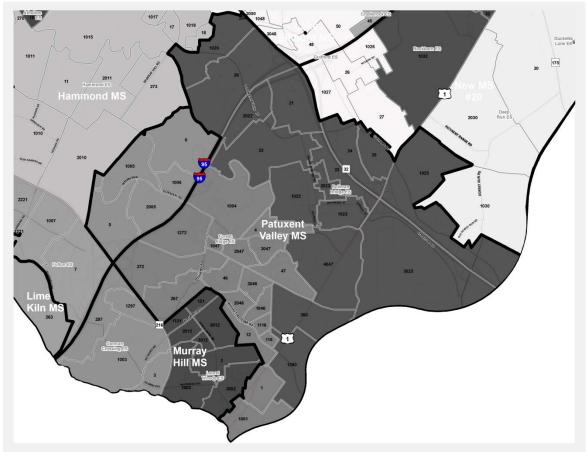


Figure 7 - As a result of this plan, Patuxent Valley MS and Murray Hill MS will have complete feeders.

Ellicott Mills MS

The AAC recommended moving polygons 74, 1074 and 2074 out of Ellicott Mills MS, but recognized that it could not completely address overcrowding at that school. The committee learned through their scenario testing that any strategy of relieving Ellicott Mills MS with Bonnie Branch MS and points east will not last, since Bonnie Branch MS and Mayfield Woods MS do not have the capacity to support such moves. The 2012 Feasibility Study proposed a plan that would do so, moving 1,045 additional students; but the 2012 plan is well beyond the current scope of opening MS #20, which causes less disruption.

Ultimately staff has deferred recommending any student movement out of Ellicott Mills MS since it is not linked to the opening of MS #20 and will require further study of alternatives other than redistricting to the east.

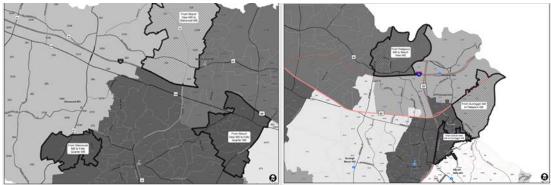


Figure 8 - The 2012 Feasibility Study plan was more expansive in order to relieve Ellicott Mills MS.

Wilde Lake MS

The AAC observed that Wilde Lake MS was overcrowded and considered some redistricting. Polygons 61, 130, 131, 1130 and 1131 were recommended for Clarksville MS. The AAC plan has generated a high volume of mixed feedback from the community. Supporters of this idea note the available capacity at Clarksville MS. Others recommended alternative neighborhoods be moved to Clarksville MS. Objectors raised concerns that this plan would concentrate students receiving FARM services. (The estimated increase is from 35 percent to 39 percent under the plan.) With the AAC plan, Clemens Crossing ES would be feeding to four middle schools (Lime Kiln, Harper's Choice, Wilde Lake, and now Clarksville). Some objected that the proposed Clarksville MS feed would be too small (11 percent). There was concern that the plan did not even relieve the overcrowding at Wilde Lake MS, (111 percent in 2014 under the AAC plan) with some suggesting that this means the entire Clemens Crossing neighborhood should go to Clarksville MS. There were comments about neighborhood separation and questions about why other polygons were not considered for Clarksville MS. There was significant concern that redistricting would cause the planned addition/renovation of Wilde Lake MS to be delayed.

Staff considered both the feedback and the guiding principles of this plan and is not recommending any movement out of Wilde Lake MS at this time. The final plan is consistent with the scope which was clearly articulated starting with the June 2013 Feasibility Study. The upcoming addition/renovation can help relieve the overcrowding at Wilde Lake MS.

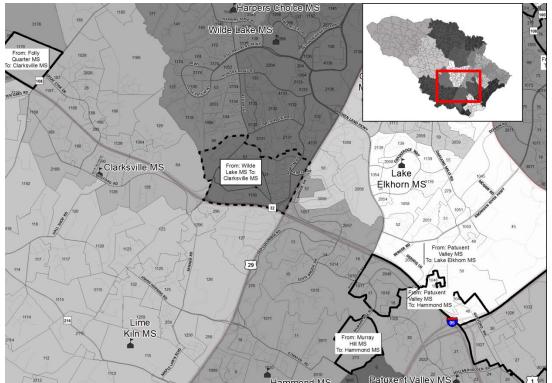


Figure 9 - Wilde Lake MS redistricting considered by AAC. WLMS boundary unchanged in this plan. (Dashed line recommended in other plans.)

Lime Kiln MS & Hammond MS

This plan provides future relief to Murray Hill MS via Hammond MS with subsequent moves from Hammond MS to Lime Kiln MS. Polygon 273 (no current students) is moved from Murray Hill MS to Hammond MS while polygons 8, 1008, and 1227 are moved to Lime Kiln MS. The sending polygons already attend Fulton ES and are in close proximity to the Lime Kiln MS campus. Some expressed a preference for the feasibility study plan to move the entire Route 216 corridor to Lime Kiln MS, feeling it better aligns feeds. They commented that the Route 216 corridor should not be split between two middle schools. The AAC plan recommended a smaller movement because the feeds still conform to policy. Fulton ES will not have a complete feed to Lime Kiln MS, but the Hammond MS feed will be 19.1 percent. Some commented that the lag between the 2011 elementary redistricting and 2013 middle school redistricting was difficult, meaning in effect, a rising fourth grader in 2012 could experience four schools. This is a good reason to support smaller movement as recommended by this plan.

Five polygons are moved from Patuxent Valley MS to Hammond MS. These are the same polygons that moved from Atholton ES to Hammond ES in 2012, and eliminates a small feed from Hammond ES to Patuxent Valley MS.



Figure 10 – Hammond MS and Lime Kiln MS redistricting. (Dashed line recommended in other plans.)

	Table 1. 2013	Redistricting Recommendation	
Sending	Receiving	Polygons	# Students
Bonnie Branch MS	Mayfield Woods MS	76, 83, 1076, 1083	106
Bonnie Branch MS	Elkridge Landing MS	86, 1086, 1091, 2091	65
Elkridge Landing MS	New MS #20	37, 1036, 1037, 2037, 2043	155
Ellicott Mills MS	Bonnie Branch MS	1074	0
Folly Quarter MS	Clarksville MS	1176	0
Hammond MS	Lime Kiln MS	8, 1008, 1227	72
Mayfield Woods MS	Bonnie Branch MS	70, 1070, 2070	40
Mayfield Woods MS	New MS #20	33, 35, 82, 266, 1033, 1035, 1082, 1266, 2035, 2082, 3035, 4035	205
Murray Hill MS	Hammond MS	273	0
Murray Hill MS	Patuxent Valley MS	1, 12, 46, 116, 260, 267, 272, 1001, 1046, 1116, 1260, 1272, 2046, 3046	247
Patuxent Valley MS	Hammond MS	17, 18, 1017, 1018, 2048	92
Patuxent Valley MS	Lake Elkhorn MS	48, 1048, 3048	42
Patuxent Valley MS	New MS #20	26, 27, 30, 32, 1026, 1027, 1030, 1032, 2030	153
Total			1,177

IV. Recommendations for August 2013

V. Evaluation of 2013 Redistricting Recommendations

This section evaluates the proposed plan using the considerations in Policy 6010 School Attendance Areas. The policy language is subject to some level of interpretation. This narrative lays plain the staff perspective and allows discussion by the Board of Education and possible alternative direction. Policy 6010 explains that the Board of Education "sets school attendance areas in order to provide quality educational opportunities to all students and to promote the balanced and efficient use of school facilities and resources." Redistricting is triggered by a number of circumstances, including the opening of a new school and schools that are outside the target utilization of 90–110 percent. Both of these conditions exist. Once the review is triggered, the policy lists factors which will be considered. The balanced and efficient use of facilities is evaluated first because it is one of the triggers to the policy. Building utilization is also one of the factors listed. The analysis of the others factors follows the capacity discussion.

Balanced and Efficient Use of Capacity – 2014

The plan improves capacity utilization at schools. The first outcome to examine is the utilization in 2014. Next year, four schools are expected to be improved. The three that are shifted out of the target utilization by this plan can be explained individually:

- 1. Lake Elkhorn MS capacity utilization would be increased from 72 percent to 79 percent. This was rated as a negative because it is outside of the 90–110 percent capacity utilization per Policy 6010. This is not considered a negative because the capacity utilization is projected to gradually increase in a trend approaching target utilization.
- 2. Mayfield Woods MS capacity utilization would be reduced from 96 percent to 78 percent. This was rated as a negative because it is outside of the 90–110 percent capacity utilization per Policy 6010. This is not considered a negative because the capacity utilization is projected to continue to increase and be within the specified range by 2017 and stay within range until 2024. Mayfield Woods MS has new development in Shipley's Grant and Gateway Overlook and needs to start below target to allow room for growth.
- 3. Patuxent Valley MS capacity utilization would be reduced from 89 percent to 84 percent. This was rated as a negative because it is outside of the 90–110 percent capacity utilization per Policy 6010. This is not considered a negative because the capacity utilization is projected to continue to increase and be within the specified range by 2015.

Balanced and Efficient Use of Capacity – Beyond 2014

Other indicators of how the plan balances and makes efficient use of capacity are the consecutive years under 110 percent utilization, the number of years below 110 percent utilization, target utilization in five years, and target utilization in ten years. The consecutive years below the 110 percent indicator shows both efficiency and stability. The current projection shows that the average number of years which all middle schools will be below 110 percent is 6.2 years between 2014 and 2025. This plan would increase that average to 7.4 years.

The plan improves the consecutive years individual schools are below 110 percent utilization. Four schools show improvement. The one school that shows more years above 110 percent utilization by this plan versus by taking no action can be explained individually:

1. Patuxent Valley MS starts under and rises above the 110 percent capacity utilization in 2021.

Some Redistricting Deferred

When the Superintendent came to the HCPSS, she recommended redistricting plans that are limited to the areas necessary to open the new capital facility. This reduces disruption by deferring redistricting until it is truly necessary. The focus has been helpful to the

discussion and yielded a plan which only moves 1,177 students. While no one likes changing schools and disruption, it is easier to accept change if a new school is opening. Larger plans call for use of existing capacity that is fairly far from existing crowded schools. This introduces cascade or domino changes.

For the future, it is probably necessary to find a way to make these deferred changes. Larger redistricting plans are needed to address goals of larger feeds or making the best use of capital facilities. These plans do not need to be addressed immediately, and considering the challenges to having conversations about cascade or domino changes, an evaluation of the redistricting process planned for June 2014 seems to be needed prior to any more comprehensive redistricting. Perhaps improvements to the process can address the sense that redistricting is a threat and can soften the conversation so the wider needs of the system may be addressed.

Educational Welfare / Academic Performance

The educational welfare of the impacted students in both the sending and receiving schools has been considered by this plan. The first aspect of this consideration has been to limit the redistricting to only the movement necessary. It is assumed that balanced capacity utilization allows for the most effective delivery of programs, but redistricting to create contiguous attending areas may unnecessarily increase the number of students impacted by redistricting. Plans do model the MSA reading and math scores using past data for the reassembled polygons, however this modeling has weaknesses. When the scenario testing tool is set up, it is populated with the testing data available in January. Another weakness is that re-aggregating past performance geographically may not take into account other factors like the benefit of a school with better utilization. With those caveats in mind this plan does not substantially change the educational performance at the schools participating in this redistricting plan.

Frequency with Which Students are Redistricted

None of the students that would be impacted by this redistricting plan have been redistricted at the middle organizational level before. Students subject to the last redistricting for Elkridge Landing MS and Mayfield Woods MS in 2007 have graduated from high school. Many parents have referenced families and neighborhoods being impacted by redistricting, however the policy currently references students only. Parents also add the redistricting to the normal change that will come when an eighth grader rises to high school and count that as two changes. The policy does not mix the normal progression into the next organizational level with redistricting. The absence of a reference in policy does not mean that those concerns are unfounded; redistricting may be disruptive and should be minimized. Where it is necessary, every effort should be made to ensure a smooth transition.

Impact on Bussed Students and Walkers

The average current distance of the center of any planning polygon to its assigned middle school is 7,896 feet or 1.50 miles. The average distance after this plan taking effect would be 8,260 feet or approximately 1.6 miles (AAC plan resulted in 1.57 miles, and similarly, the June 2013 Feasibility Study plan would have increased the average to

1.58). Increasing this average distance by a few hundred feet indicates that travel times will be about the same as status quo. This plan does not cause any current walkers to be bussed.

Transportation Costs

We have reviewed the plans with Pupil Transportation staff and they have confirmed that this plan may have somewhat increased costs. This must be taken in the context of rerouting a tiered system where the window between middle school start times exceeds 45 minutes. Potential changes to start times at the high school level are under consideration which could alter the calculations. Considering overall enrollment growth, the potential increase in three busses systemwide currently estimated may be a wash. The best answer at this time is moderate increase in cost.

Demographic Makeup

The number of students qualifying for free and reduced-price meals (FARM) is examined with all scenarios to learn if higher or lower income students are being concentrated at any school. In fact, the distribution of income throughout the county is not even. Often the more affordable housing is immediately adjacent to a school. When such a school is crowded, removing neighborhoods from the periphery may serve to concentrate students receiving FARM services. Redistricting, simply to even out students receiving FARM services, is not a direction present in the policy. When scoring FARM, staff sees change in the direction of the 17 percent countywide average FARM rate for middle schools as a positive, and most schools only see a small percentage change to FARM by this plan. The highest change would be at Hammond MS (increased from 9 percent to 17 percent), but the change brings the school in line with the county average. Significant changes away from the average are considered negative. One school, Elkridge Landing MS, was moved four percent lower and away from the countywide average.

Number of Students Being Redistricted

The original plan in the June 2013 Feasibility Study would have moved a projected 1,181 students. The committee plan would move a projected 1,256 students. This plan has reduced movement to a projected 1,177 students. The goal of opening MS #20, balancing capacity in the Northeastern region, has been met. Scenario testing seems to indicate that any further reduction would require significant sub-optimization of other policy factors.

A related topic that should be given consideration is the number of students being redistricted over time. Since this plan extends the average number of consecutive years below 110 percent utilization while moving the fewest students, a compelling argument can be made that it is both long lasting and less disruptive. Some redistricting has been deferred in Columbia West and Ellicott City. In deferring this redistricting, it is understood that the policy anticipates annual evaluation of needs in the June 2013 Feasibility Study. Some have expressed concern that we redistrict too often, but when we have explored their concern more deeply, they are counting years where plans were discussed but changes were not made. Perhaps the process could be improved to clarify that the policy expects an annual evaluation of long-term needs. As for actual

2007	2008	2009	2010	2011	2012	2013
1,400	0	0	214	0	1,200	1,860
6.8%			1.2%		5.3%	8%
of ES			of HS		of ES	of ES

redistricting as a percentage of total enrollments, the changes over the past few years have been as follows:

In 2007, the redistricting to open Veterans ES took effect. In 2010, the redistricting was to eliminate residual open enrollment areas. The redistricting that took effect in 2012 was to balance elementary capacity in the southeast. In 2013, the redistricting to open Ducketts Lane ES took effect. Most redistricting has been to open a facility. Clearly the perception that we approve redistricting each year is inaccurate, but we should also work to minimize the number of times it is required.

Maintenance of Feeder Patterns

Policy calls for the maintenance of feeder patterns and the avoidance of feeds less than 15 percent where possible. There are 19 middle feeds below 15 percent currently existing in the system. With the implementation of this recommended plan the net would be 17.

This plan would result in a net decrease of two small feeds. Page 40 has a review of all small feeds before and after this plan. The specific net changes are examined here with thoughts on how they may be resolved in the future when middle school redistricting is evaluated.

Bonnie Branch MS currently has small feeds from Bellows Spring ES, Jeffers Hill ES, Rockburn ES and Waterloo ES. The Bellows Spring ES and Waterloo ES feeds would be eliminated with this plan. The small feed from Jeffers Hill ES into Bonnie Branch MS is not addressed by this plan. That area is also assigned to Howard HS. Moving it to Mayfield Woods MS would improve the small feed to nearly 15 percent. The small feed from Mayfield Woods MS to Howard HS would not change much but since area walks to Howard HS, change is unlikely.

Burleigh Manor MS and Clarksville MS have no small feeds. The three small feeds to Dunloggin MS are unchanged by this plan.

Elkridge Landing MS has very strong feeds under this plan. Ellicott Mills MS small feeds were eliminated with the elementary redistricting. Folly Quarter MS, Glenwood MS, and Hammond MS have no small feeds under this plan. A small feed from Clemens Crossing ES to Harpers Choice MS is not changed by this plan.

Small feeds at Lake Elkhorn MS and Lime Kiln MS are actually lessened as other feeds were increased by this plan.

Mayfield Woods MS has small feeds from Jeffers Hill ES, Phelps Luck ES and Waterloo ES. The plan increases the Waterloo ES feed above 15 percent. Mount View MS has no small feeds. Murray Hill MS has no small feeds with this plan.

New MS #20 will have three small feeds which most likely will grow and or be moved later when ES #42 is mapped. Two small feeds at Oakland Mills MS are unchanged by this plan.

Patuxent Valley MS will have no small feeds with this plan. Wilde Lake MS has no small feeds and remains unchanged under this plan.

Impact on Specialized or Regional Programs

The following programs or activities are located in various schools:

- ALS Regional Academic Life Skills
- Regional ED Regional Program for students with Emotional Disturbance

Ellicott Mills MS – This school currently hosts a regional program for students with Emotional Disturbance. This redistricting scenario does not change the capacity utilization at the school.

Lime Kiln MS – This school currently hosts a regional Academic Life Skills Program. The balanced capacity for the next 10 or more years will allow these programs to remain.

Murray Hill MS – This school currently hosts a regional program for students with Emotional Disturbance. The relief from overcrowding will provide more room to operate this program.

Functional and Operational Capacity of School Infrastructures

Staff planning and facilitation of the committee guide plans away from crowding schools that have not had renovations under the Board of Education renovation guidelines. Plans have been kept to the middle or lower end of the target utilization range for these schools.

Non-Contiguous Attendance Areas

The policy does not prohibit the creation of non-contiguous attending areas. These have been referred to as "islands" over the years. Where the idea to avoid this circumstance originates is a goal to create neighborhood schools. It is assumed that the neighborhood connection to the school is diminished by planning areas that are made of islands such as the one that exists at Bonnie Branch MS today. On the other hand, the layout of neighborhoods and schools is not even. Sometimes neighborhoods are separated by large non-residential areas or major roads. Small schools in more densely populated areas may have intermingled attending areas (examples include Harpers Choice MS and Wilde Lake MS). Staff has received input from previous committees that eliminating islands should not be a goal in and of itself. Staff also received significant input about schools that are not crowded seeing significant change because of redistricting. This input formed the basis of staff taking a new direction with the creation of non-contiguous attendance areas.

There will never be a neighborhood school for each neighborhood. If neighborhoods will be bussed to a school more distant to the one closest to their neighborhood, it may be acceptable for a number of reasons. The first consideration should be the likelihood that the neighborhood will ride a bus to any school it attends. The Board of Education discussed this with the redistricting of Laurel Woods ES in 2012 and concluded that bussing walkers should be avoided.

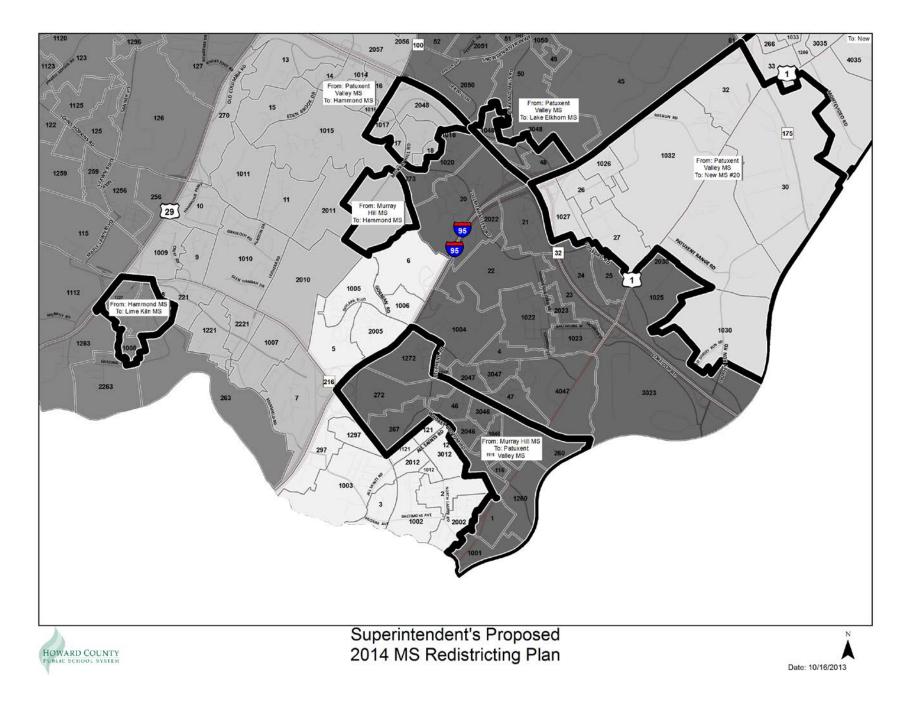
The second consideration is if the bussed neighborhood will travel substantially further with the new assignment.

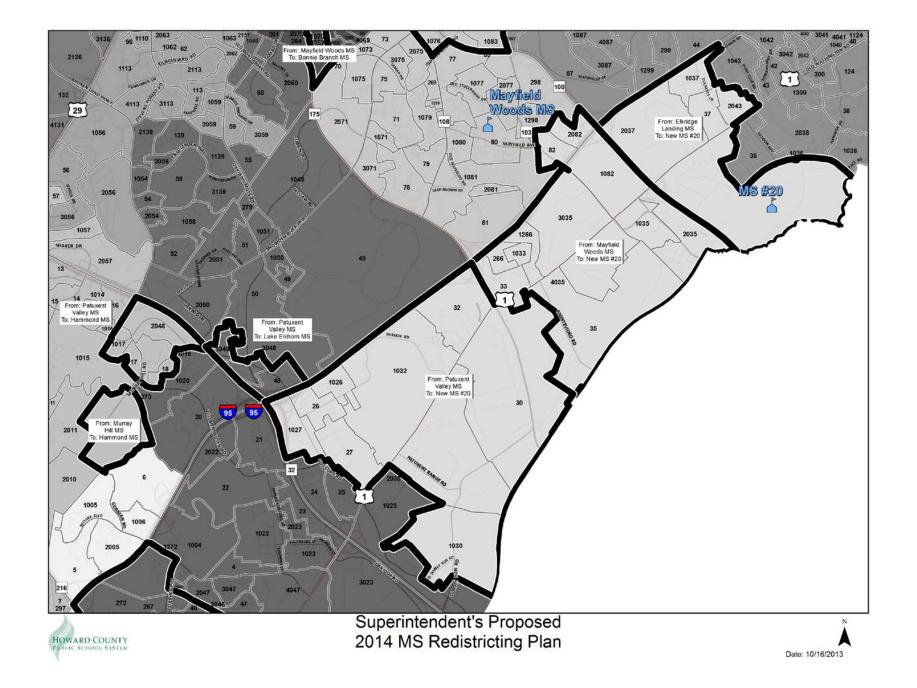
The third consideration is if the bussed neighborhood forms a substantial part of the enrollment at the new school. Some "critical mass" allows for a sense of neighborhood connection.

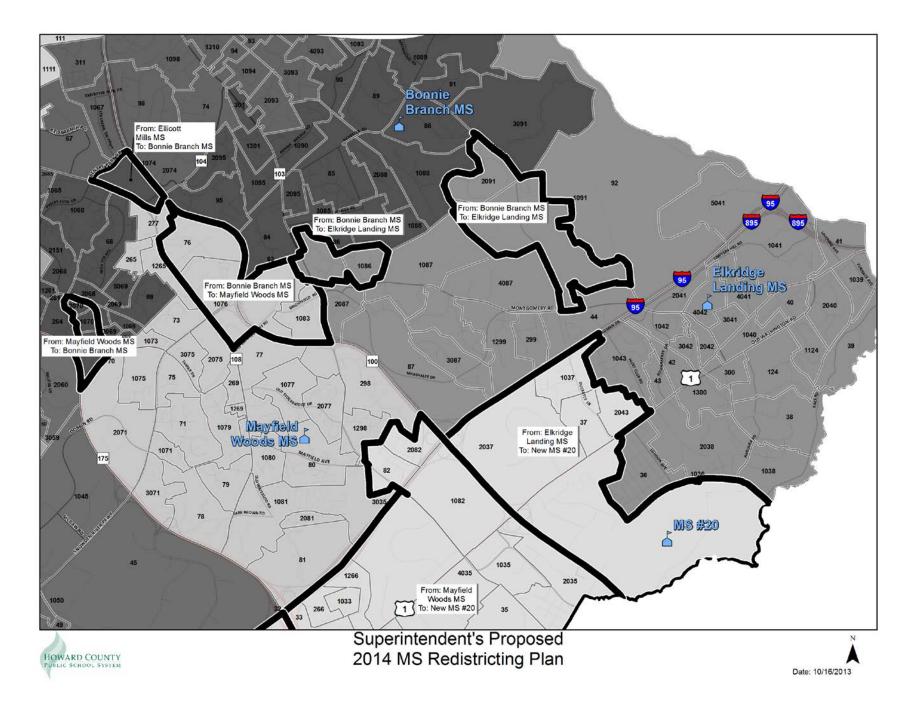
This plan removes one non-contiguous attendance area and does not create any new non-contiguous attendance areas.

VI. Maps

On the following pages, the staff proposed plans for the current year redistricting recommendations are mapped. It should be noted that none of these maps represent approved plans. Redistricting approved by the Board of Education in November 2013 would take effect in August 2014. Plans for future years would also require Board of Education approval in the fall of the year before they are to take effect. By that time, conditions may change and a different plan may be the better option. Long-term plans are presented in an effort to have a transparent planning process and to provide context for the capital budgeting process.







VII. Pre- and Post-Measures

On the following pages the effect of the staff proposed plans on capacity utilization are depicted in tabular form. Only the middle school level is presented in this report because no changes are proposed at the elementary or high school level to take effect in August 2014. The June 2013 Feasibility Study contains long-range planning information about the elementary and high school levels.

Pre-Measures	MIDDLE													DLE SCHOOLS - Data for Demonstrative Purposes Only Board of Education's Approved FY 2014 Capital Budget Projects - Not Test for APFO														
							Capad	ity Utili	zation I	Rates wi	th Boa	rd of E	ducatio	n's A	Appro	oved F	Y 201	4 Capita	al Budg	et Projec	ts - N	ot Test	for AF	PFO				
Chart reflects May 20	13 F	rojectio	ons, Bo	ard of E	Educatio	on's app	proved c:	apacities	and no	redistricti	ng.																	
			Capa	acity		20	14-15	20	15-16	20	20	2017-18			2018-19		19-20	20	20-21	20	21-22	2	022-23	20	23-24	20	24-25	
Columbia - East		2014	2015	2016	2017	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	P	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Lake Elkhorn MS		643	643	643	643	463	72.0	460	71.5	459	71.4	475	73.9	4	485	75.4	500	77.8	500	77.8	505	78.5	501	77.9	509	79.2	516	80.2
Oakland Mills MS		506	506	506	506	481	95.1	503	99.4	502	99.2	508	100.4	5	554	109.5	570	112.6	566	111.9	544	107.5	547	108.1	554	109.5	560	110.7
Region MS Totals		1149	1149	1149	1149	944	82.2	963	83.8	961	83.6	983	85.6	1(039	90.4	1070	93.1	1066	92.8	1049	91.3	1048	3 91.2	1063	92.5	1076	93.6
Columbia - West																												
Harpers Choice MS		506	506	506	506	550	108.7	566	111.9			C 606	119.8			120.8			C 605	119.6 C		122.5			C 603			120.6 C
Wilde Lake MS	Α	467	467	467	623	600	128.5		136.2		138.1	C 691	110.9			113.5	736		C 720	115.6 C						131.3 C		139.2 C
Region MS Totals		973	973	973	1129	1150	118.2	C 1202	123.5	C 1242	127.6	C 1297	114.9	13	318	116.7	: 1342	118.9	C 1325	117.4 C	1360	120.5	C 1372	2 121.5	C 1421	125.9 C	1477	130.8 C
Northeastern																												
Bonnie Branch MS		662	662	662	662	761	115.0	791	119.5		120.8		127.9	C 8		130.8		133.7		125.7 C					C 815	123.1 C		
Elkridge Landing MS		779	779	779	779	794	101.9	821	105.4		105.3		109.6			107.8	848	108.9	850	109.1		114.5	904			116.3 C		116.2 C
Ellicott Mills MS		662	662	662	662	753	113.7	812	122.7		127.2		131.9			132.3 C		135.8	C 933	140.9 C		146.5		146.1		144.9 C		144.0 C
May field Woods MS		798	798	798	798	766	96.0	827	103.6	877	109.9	945	118.4	C 9	964 [120.8 C	998	125.1	C 1000	125.3 C	1041	130.5	C 1071	1 134.2	C 1117	140.0 C	1165	146.0 C
New MS #20	NS	662	662	662	662																							
Region MS Totals		3563	3563	3563	3563	3074	86.3	3251	91.2	3339	93.7	3519	98.8	38	546	99.5	3630	101.9	3615	101.5	3725	104.5	3721	1 104.4	3797	106.6	3838	107.7
Northern																												
Burleigh Manor MS		779	779	779	779	751	96.4	762	97.8	777	99.7	768	98.6			98.8	780	100.1	782	100.4	818		855		904	116.0 C		118.4 C
Dunloggin MS		565	565	565	565	622	110.1	646	114.3			C 674	119.3			118.1		100.5	664	100.3	692		683			104.5		104.1
PatapscoMS		643	643	643	643	659	102.5	721	112.1			C 760	118.2			118.4		111.8	688	107.0	682	106.1	678		698	108.6		111.4
Region MS Totals		1987	1987	1987	1987	2032	102.3	2129	107.1	2200	110.7	2202	110.8	2	198	110.6	2164	103.8	2134	102.4	2192	105.2	2216	3 106.3	2294	110.1	2327	111.7
Southeastern																_												
Hammond MS		604	604		604	549		565		588	97.4	567	93.9			96.5		99.3		104.5		106.1		110.4	687	113.7		117.5 C
Murray Hill MS		662	662	662	662	869	131.3		138.5			C 1027				162.2			C 1158	174.9 C					C 1156			179.3 C
Patuxent Valley MS Region MS Totals		760 2026	760 2026	760 2026	760 2026	675 2093	88.8 103.3	2182	92.1	2323	97.5 114.7	2333	97.2			101.6	788	103.7	805 C 2594	105.9 128.0 C	826 2608	108.7	882					133.4 C 143.7 C
Western													F															
Clarksville MS		643	643	643	643	593	92.2	562	87.4	536	83.4	511	79.5			76.0	449	69.8	381	59.3	325	50.5	320		339	52.7	350	54.4
Folly Quarter MS		662	662	662	662	542	81.9	582	87.9	577	87.2	605	91.4			90.0	592	89.4	557	84.1	531	80.2	523		554	83.7	552	83.4
Glenwood MS		545	545	545	545	534	98.0	536	98.3		94.9	494	90.6			85.5	462		449	82.4	443	81.3	418		432	79.3	427	78.3
Lime Kiln MS		701	701		701	611	87.2	625	89.2		87.2	596	85.0			83.6	598	85.3	581	82.9	557	79.5	548		568	81.0	586	83.6
Mount View MS		798	798	798	798	727	91.1	683	85.6	688	86.2	687	86.1			91.0	715	89.6	685	85.8	659	82.6	665		712	89.2	754	94.5
Region MS Totals					3349	3007	89.8	2988		2929	87.5	2893	86.4			85.5	2816	84.1	2653		2515	75.1	2474		2605		2669	79.7
Countywide Totals					13203	12300	94.3	12715	97.5	12994	99.6	13227	100.2	13	3393	101.4	13515	101.6	13387	100.7	13449	101.1	1350	9 101.6	13991	105.2	14298	107.5
'NS' New School prop	oseo	d in FY	2014 C	apital E	Budget																							

Post-Measures	MIDDLE SCHOOLS - Data for Demonstrative Purposes Only Capacity Utilization Rates with Proposed FY 2015 Capital Budget Projects - Not Test for APFO																											
Aggregate Plan							0	Capacit	ty Uti	izatio	n Rate	s with	Propose	ed FY	2015 Ca	pital E	udget l	Proje	ects -	Not Te	est for	APFO						
Chart reflects May 2013 F	Proiection	ns. Boai	dofEd	lucation	's FY 2	015 Rea																						
	1		acity		1	014-15		015-16			16-17	-	017-18		18-19	_	019-20		202	0-21	20	21-22	20)22-23	20	23-24	2	024-25
Columbia - East	2014 2015 2016 2017 Proj % Util. F							% Util			% Util.		% Util.		% Util.		% Util.	P		% Util.		% Util.		% Util.		% Util.		% Util.
Lake Elkhorn MS	643	643	643	643	505	78.5	503	1	1 1	504	78.4	520	80.9	530	82.4	545	84.8			84.8	550	85.5	548	85.2	560	87.1	568	
Oakland Mills MS	506	506	506	506	481	95.1	503	1	1 1	502	99.2	508	100.4	554	109.5	570	112.6			111.9	544	107.5	547	108.1		109.5		110.7
Region MS Totals	1149	1149	1149	1149	986	85.8	1006	87.6		1006	87.6	1028	89.5	1084	94.3	1115	97.0	1	111	96.7	1094	95.2	1095	95.3	1114	97.0	1128	98.2
Columbia - West	_						_												-									
Harpers Choice MS	506	506	506	506	550	108.7	566	111.9		597	118.0 C	606	119.8	611	120.8 C	606	119.8	Cε	605	119.6 C	620	122.5 C	608	120.2 C	603	119.2	610	120.6
	A 467	467	467	623	600	128.5				645	138.1 C		110.9	707	113.5		118.1					118.8 C		122.6 C				139.2
Region MS Totals	973	973	973	1129	1150	118.2	C 1202	123.5	С	1242	127.6 C	1297	114.9	1318	116.7 C	1342	118.9					120.5 C		121.5 C	1421	125.9	1477	130.8
Northeastern																												
Bonnie Branch MS	662	662	662	662	630	95.2	659	99.5		669	101.1	709	107.1	722	109.1	737	111.3	6	692	104.5	682	103.0	646	97.6	676	102.1	675	102.0
Elkridge Landing MS	779	779	779	779	704	90.4	721	92.6		716	91.9	747	95.9	733	94.1	739	94.9	7	737	94.6	767	98.5	777	99.7		100.5		100.4
Ellicott Mills MS	662	662	662	662		113.7	812	122.7	С	842	127.2	873	131.9	876	132.3 C	899	135.8	C 9	933	140.9 C	970	146.5 C	967	146.1 C	959	144.9	953	144.0
Mayfield Woods MS	798	798	798	798	627	78.6	667	83.6		700	87.7	749	93.9	769	96.4	797	99.9	7		99.5	824	103.3	839	105.1	874	109.5	907	113.7
New MS #20	NS 662	662	662	662	513	77.5	550	83.1		577	87.2	602	90.9	613	92.6	626	94.6	6	630	95.2	654	98.8	675	102.0	705	106.5	732	110.6
Region MS Totals	2901	3563	3563	3563	2714	93.6	3409	95.7	;	3504	98.3	3680	103.3	3713	104.2	3798	106.6	3	786	106.3	3897	109.4	3904	109.6	3997	112.2	4049	113.6
Northern																												
Burleigh Manor MS	779	779	779	779	751	96.4	762			777	99.7	768	98.6		98.8	780	100.1			100.4		105.0		109.8		116.0		
Dunloggin MS	565	565	565	565		110.1	646			676	119.6 C		119.3		118.1 C		100.5			100.3	692	104.5	683	103.2	692		689	104.1
Patapsco MS	643	643	643	643	659	102.5	721			747	116.2 C		118.2		118.4 C		111.8		_	107.0		106.1	678	105.4		108.6		111.4
Region MS Totals	1987	1987	1987	1987	2032	102.3	2129	107.1		2200	110.7	2202	110.8	2198	110.6	2164	103.8	2	134	102.4	2192	105.2	2216	106.3	2294	110.1	2327	111.7
Southeastern																	1											
Hammond MS	604	604	604	604	569	94.2	586	97.0		611	101.2	587	97.2	607	100.5	623	103.1	6	352	107.9	664	109.9	696	115.2 C	725	120.0	753	124.7
Murray Hill MS	662	662	662	662	622	94.0	656	99.1		706	106.6	731	110.4	760	114.8	776	117.2			121.9 C		119.2 C		117.1 C	2	119.2		121.6
Patuxent Valley MS	760	760	760	760	635	83.6	665			719	94.6	732	96.3	772	101.6	800	105.3			109.6		112.0	888	116.8 C		125.7		131.2
Region MS Totals	2026	2026	2026	2026	1826	90.1	1907	94.1		2036	100.5	2050	101.2	2139	105.6	2199	108.5	2	292	113.1	2304	113.7	2359	116.4 C	2469	121.9	2555	126.1
Western																												
Clarksville MS	643	643	643	643	593	92.2	562	-		536	83.4	511	79.5	489	76.0	449	69.8		381	59.3	325	50.5	320	49.8	339		350	
Folly Quarter MS	662	662	662	662	542	81.9	582	87.9		577	87.2	605	91.4	596	90.0	592	89.4			84.1	531	80.2	523	79.0	554		552	
Glenwood MS	545	545	545	545	534	98.0	536	98.3		517	94.9	494	90.6	466	85.5	462	84.8			82.4	443	81.3	418	76.7	432		427	78.3
Lime Kiln MS	701	701	701	701	683	97.4	699	99.7		688	98.1	673	96.0	664	94.7	679	96.9			95.1	644	91.9	637	90.9	659	94.0	679	
Mount View MS	798	798	798	798	727	91.1	683	85.6	_	688	86.2	687	86.1	726	91.0	715	89.6			85.8	659	82.6	665	83.3	712		754	
Region MS Totals	3349	3349		3349	3079		3062		0	3006	89.8	2970		2941	87.8	2897	86.5			81.8	2602		2563		2696	80.5	2762	+
Countywide Totals	12385	13047	13047	13203	11787	95.2	12715	97.5	1	2994	99.6	13227	100.2	13393	101.4	13515	101.6	13	3387	100.7	13449	101.1	13509	101.6	13991	105.2	14298	3 107.5

IX. Plan Assessment Figure 11- Overall Plan Assessment

Middle School Summary	(MC Augurana 470/)	Current	Aggregate Plan	Assessment Criteria
Delever FADMO 0/	(MS Average = 17%)	14.36	44.04	Standard Deviation reduced by 25% o
Balance FARMS %	StdDev	14.30	14.04 NEGLIGIBLE	more = Strength; increased by 25% c more = Weakness; otherwise Negligib
	(MS Average = 93%)			Standard Deviation reduced by 25% of
Balance MSA Reading	StdDev	5.46	5.05	more = Strength; increased by 25% of
Pass Rate			NEGLIGIBLE	more = Weakness; otherwise Negligib
	(MS Average = 92%)			Standard Deviation reduced by 25% of
Balance MSA Math Pass	StdDev	5.86	5.56	more = Strength; increased by 25% of
Rate			NEGLIGIBLE	more = Weakness; otherwise Negligib
	# of Schools Strengthened	NIA	4	
Consecutive Years	0	1		Mean increased by 1.0 or more =
Under 110%	# of Schools Weakened		1	Strength; reduced by 1.0 or more =
	Mean	6.2	7.4 STRENGTH	Weakness; otherwise Negligible
T	# of Schools Strengthened		5	Changes result in schools 90-110% =
Target Utilization	# of Schools Weakened	NA	3	Strength; Changes result in schools
Changed Schools 2014				outside of 90-110% = Weakness;
			STRENGTH	otherwise Negligible
	# of Schools Strengthened		3	Changes result in schools 90-110% =
Target Utilization	# of Schools Weakened	NA	5	Strength; Changes result in schools
Changed Schools 2024				outside of 90-110% = Weakness;
			WEAKNESS	otherwise Negligible
	# of Schools Strengthened	NA	5	Mean reduced by 100 or more =
Dravimity to Sahaal	# of Schools Weakened	NA	6	
Proximity to School	Mean		8260	 Strength; increased by 100 or more = Weakness; otherwise Negligible
	(smaller # = closer set of p	oly gons)	WEAKNESS	Weakness, otherwise Negligible
Non-Contiguous	Number of "Islands"	1	0	"After" count lower than "Before" =
Attendance Areas			STRENGTH	Strength; "After" higher = Weakness
				otherwise Negligible
	(MS Avg Rating = 0.00)	NA	-0.25	
Transportation Costs	(pos=savings; neg=cost)		WEAKNESS	Mean increased = Strength; mean reduced = Weakness; otherwise
	(pos-savings, neg-cosi)		WEARINE 33	Negligible
	Normalia		4477	
	Number		1177	% of enrollment greater than 20% =
Students Moved	% of Enrollment	NA	10.3% MODERATE	High Movement, 10% to 20% =
			MOVEMENT	Moderate Movement, less than 10% = Low Movement
	Number	NA	0	% of enrollment greater than 3% = Hig
Students moved too	% of Enrollment		0.0%	Movement, greater than 0% to 3% =
			NO	Moderate Movement, 0% = No
soon after last move				
SOON alter last move			MOVEMENT	Movement
Small ES-to-MS Feeds	# of Small Feeds	19	16	Movement
Small ES-to-MS Feeds	# of Small Feeds	19	16	Movement "After" count lower than "Before" =
	# of Small Feeds	19		Movement "After" count lower than "Before" =
Small ES-to-MS Feeds (under 15%)			16 STRENGTH	Movement "After" count lower than "Before" = Strength; "After" higher = Weakness otherwise Negligible
Small ES-to-MS Feeds (under 15%) Small MS-to-HS Feeds	# of Small Feeds		16 STRENGTH 6	Movement "After" count lower than "Before" = Strength; "After" higher = Weakness otherwise Negligible "After" count lower than "Before" =
Small ES-to-MS Feeds (under 15%)			16 STRENGTH	Movement "After" count lower than "Before" = Strength; "After" higher = Weakness otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness
Small ES-to-MS Feeds (under 15%) Small MS-to-HS Feeds	# of Small Feeds	6	16 STRENGTH 6 NEGLIGIBLE	Movement "After" count lower than "Before" = Strength; "After" higher = Weakness; otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness; otherwise Negligible
Small ES-to-MS Feeds (under 15%) Small MS-to-HS Feeds		6	16 STRENGTH 6 NEGLIGIBLE 2	Movement "After" count lower than "Before" = Strength; "After" higher = Weakness otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness otherwise Negligible "After" count lower than "Before" =
Small ES-to-MS Feeds (under 15%) Small MS-to-HS Feeds (under 15%)	# of Small Feeds	6	16 STRENGTH 6 NEGLIGIBLE	Movement "After" count lower than "Before" = Strength; "After" higher = Weakness otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness
Small ES-to-MS Feeds (under 15%) Small MS-to-HS Feeds (under 15%) Double Small Feeds	# of Small Feeds # of Double Small Feeds	6	16 STRENGTH 6 NEGLIGIBLE 2 STRENGTH	Movement "After" count lower than "Before" = Strength; "After" higher = Weakness otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness otherwise Negligible
Small ES-to-MS Feeds (under 15%) Small MS-to-HS Feeds (under 15%) Double Small Feeds Low Utilization	# of Small Feeds	6	16 STRENGTH 6 NEGLIGIBLE 2 STRENGTH 3.0	Movement "After" count lower than "Before" = Strength; "After" higher = Weakness otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness
Small ES-to-MS Feeds (under 15%) Small MS-to-HS Feeds (under 15%) Double Small Feeds	# of Small Feeds # of Double Small Feeds	6	16 STRENGTH 6 NEGLIGIBLE 2 STRENGTH	Movement "After" count lower than "Before" = Strength; "After" higher = Weakness otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness otherwise Negligible Mean reduced by 0.1 or more =
Small ES-to-MS Feeds (under 15%) Small MS-to-HS Feeds (under 15%) Double Small Feeds Low Utilization	# of Small Feeds # of Double Small Feeds	6	16 STRENGTH 6 NEGLIGIBLE 2 STRENGTH 3.0	Movement "After" count lower than "Before" = Strength; "After" higher = Weakness, otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness, otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness, otherwise Negligible Mean reduced by 0.1 or more =
Small ES-to-MS Feeds (under 15%) Small MS-to-HS Feeds (under 15%) Double Small Feeds Low Utilization (Under 90%) 2014-2025	# of Small Feeds # of Double Small Feeds Per-school Average Years	6 5 3.3	16 STRENGTH 6 NEGLIGIBLE 2 STRENGTH 3.0 STRENGTH	Movement "After" count lower than "Before" = Strength; "After" higher = Weakness; otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness; otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness; otherwise Negligible Mean reduced by 0.1 or more = Strength; increased by 0.1 or more = Weakness; otherwise Negligible
Small ES-to-MS Feeds (under 15%) Small MS-to-HS Feeds (under 15%) Double Small Feeds Low Utilization (Under 90%) 2014-2025 High Utilization	# of Small Feeds # of Double Small Feeds	6 5 3.3	16 STRENGTH 6 NEGLIGIBLE 2 STRENGTH 3.0 STRENGTH 4.4	Movement "After" count lower than "Before" = Strength; "After" higher = Weakness; otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness; otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness; otherwise Negligible Mean reduced by 0.1 or more = Weakness; otherwise Negligible Mean reduced by 0.1 or more =
Small ES-to-MS Feeds (under 15%) Small MS-to-HS Feeds (under 15%) Double Small Feeds Low Utilization (Under 90%) 2014-2025	# of Small Feeds # of Double Small Feeds Per-school Average Years	6 5 3.3	16 STRENGTH 6 NEGLIGIBLE 2 STRENGTH 3.0 STRENGTH	Movement "After" count lower than "Before" = Strength; "After" higher = Weakness; otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness; otherwise Negligible "After" count lower than "Before" = Strength; "After" higher = Weakness; otherwise Negligible Mean reduced by 0.1 or more = Strength; increased by 0.1 or more = Weakness; otherwise Negligible

Middle Schools		Balance Farm %		Balan	ced MSA Pass Ra	A Reading ate		ed MSA I ass Rate	Math		ecutive Jer 110			et Utilizat d School			et Utilizati d Schools		Targ Change	et Utilizat d Schoole		Pro	imity to schoo	bl		contigue Areas	ous	Transpo Cost Cr		Studer	nts Moved
	Before	After	Chg	Before	After	Chg	Before	After	Chg	Before	After	Chg	Before	After	Chg	Before	After	Chg	Before	After	Chg	Before	After	Chg	Before	After	Chg	After	Chg	Number	% Enrollment
Bonnie Branch MS	1796	2196		9196	90%		90%	89%	=	0	6	+	11596	95%	• + •	13496	11196	-	12396	102%	+	8341	9164	-	1	0	+1	0	=	40	6%
Burleigh Manor MS	796	796	=	98%	98%	=	97%	97%	=	9	9		98%	96%	=	100%	100%	=	11896	11896	=	7257	7257	=	0	0	=	0	=	0	0%
Clarksville MS	0%	0%	=	98%	98%	=	98%	98%	=	12	12		92%	92%	=	70%	70%	=	54%	54%	=	5828	600.8		0	0	=	0	=	0	0%
Dunloaain MS	1796	1796	=	95%	95%	=	94%	94%	=	0	0	=	1 10%	110%	=	118%	11896	=	12296	12296	=	7070	7070	=	0	0	=	0	=	0	0%
Elkridge Landing MS	1 4 9 6	9%	-	92%	93%	=	88%	89%	=	7	12	+	102%	90%	+	109%	95%	+	11896	100%	+	5548	5948		0	0	=	0	=	65	9%
Ellicott Mills MS	10%	10.96	=	98%	98%	=	96%	96%	=	0	0		114%	11496	=	138%	138%	=	144%	144%	=	5908	5826	+	0	0	=	0	=	0	0%
Folly Quarter MS	2%	2%	=	97%	97%	=	98%	98%	=	12	12		8296	8296	=	89%	89%	=	83%	83%	=	11608	11381	+	0	0	=	0	=	0	0%
Glenwood MS	396	3%	=	95%	95%	=	96%	96%	=	12	12		98%	98%	=	8.5%	85%	=	78%	78%	=	18410	18410	=	0	0	=	0	=	0	0%
Hammond MS	9%	1796	+	98%	94%	=	95%	93%	=	8	8		9196	94%	+	99%	10396	+	11896	125%	-	6883	7533	-	0	0	=	-1	-	92	1696
Harpers Choice MS	3.4%	34%	=	88%	88%	=	83%	83%	=	1	1		109%	109%	=	120%	120%	=	12196	12196	=	5019	5019	=	0	0	=	0	=	0	0%
Lake Elkhorn MS	46%	44%	+	80%	82%	=	81%	82%	=	12	12		72%	79%	-	78%	85%	-	80%	88%	-	4878	5353	-	0	0	=	-1	-	42	8%
Lime Kiln MS	496	496	=	97%	97%	=	96%	95%	=	12	12		8796	97%	+	85%	97%	+	84%	97%	+	12670	12354	+	0	0	=	0	=	72	1196
Mavfield Woods MS	27%	23%	+	91%	92%	=	90%	90%	=	3	10	+	98%	79%	-	125%	100%	+	148%	11496	-	60.24	508.2	+	0	0	=	0	=	108	1796
Mount View MS	396	396	=	98%	98%	=	98%	98%	=	12	12		9196	91%	=	90%	90%	=	94%	94%	=	13415	13415	=	0	0	=	0	=	0	0%
Murray Hill MS	3.4%	34%	=	91%	92%	=	93%	93%	=	0	3	+	131%	94%	+	187%	11796	-	17996	12296	-	8966	8074	+	0	0	=	0	=	0	0%
New MS #20		36%	=		86%	=		85%	=		10			7796	=		95%	=		11196	=		14299	=		0		-1	=	513	100%
Oakland Mills MS	40%	40 %	=	85%	85%	=	84%	84%	=	5	5		95%	95%	=	11396	11396	=	11196	11196	=	4115	4115	=	0	0	=	0	=	0	0%
Patapisco MS	10%	10 %	=	98%	96%	=	97%	97%	=	4	4		102%	102%	=	11296	11296	=	11196	11196	=	60.88	608.8	=	0	0	=	0	=	0	0%
Patuxent Valley MS	3.2%	27%	+	84%	8796	=	84%	87%	=	8	7	•	89%	84%	-	104%	105%	+	13396	13196	-	6364	698.2	-	0	0	=	-2	-	247	39%
Wilde Lake MS	35%	35%	=	85%	85%	=	83%	83%	=	1	1	=	128%	128%	=	11896	118%	=	13996	139%	=	5827	5827	=	0	0	=	0	=	0	0%
Overall MS	1796	17%		93%	93%		92%	92%			_		9496	94%		10296	102%		108%	10896					1	0				1177	10%
Strenothened		+	4		+	0		+	0		+	4		+	5		+	5		+	3		+	5		+	1	+	0		
Weakened		-	2		-	0		-	0		-	1		-	3		-	3		-	5		-	6		-	0	-	3		
Negligible		=	14		=	20		=	20		=	15		=	12		=	12		=	12		=	9		=	19	=	17		
Mean										6.2	7.4											7895.7	8260.2	-			_	-0.3		58.9	10%
StdDev	14.4	14.0		5.5	5.1		5.9	5.6							1																
	NE	GLIGIB	LE	N	EGLIGIB	LE		EGLIGIB	LE	ST	RENO	STH	S	TRENG	TH	5	TRENGT	Ή	w	EAKNES	iS		WEAKNESS	i i	ST	RENG	ТН	WEAK	NESS	MODERAT	EMOVEMENT

Middle Schools		wed within 2 yrs MS move		ble Sm Feed	nall		S Feed der 10			S Feed % - 159			14-201 Jtil (<9	-	201 High U	14-201 til (>11		201 Lo wU	7-201 til (<9	-	20 [.] High U	17-201 Itil (>1	-	202 LowU	20-202 til (<9		20 High l	20-202 Jtil (>1			23-202 J til (<9			23-2025 Jtil (>11	-
	Number	% Enrollment	Before	After	Chg	Before	After	Chq	Before	After	Chg	Before	After	Chq	Before	After	Chg	Before	After	Chq	Before	After	Chg	Before	After	Chq	Before	After	Chg	Before	After	Chq	Before	After	Chg
Bonnie Branch MS	0	0 %	2	1	+	3	3	=	1	0	+	0	0	=	3	0	+	0	0	=	3	1	+	0	0	=	3	0	+	0	0	=	3	0	+
Burleigh Manor MS	0	0 %	0	0	=	0	0	=	0	0	=	0	0	=	0	0	=	0	0	=	0	0	=	0	0	=	0	0	=	0	0	=	3	3	=
Clarksville MS	0	0 %	0	0	=	0	0	=	0	0	=	2	2	=	0	0	=	3	3	=	0	0	=	3	3	=	0	0	=	3	3	=	0	0	=
Dunloggin MS	0	0 %	0	0	=	2	2	=	1	1	=	0	0	=	3	3	=	0	0	=	3	3	=	0	0	=	3	3	=	0	0	=	3	3	=
Elkridge Landing MS	0	0 %	1	1	=	0	0	=	0	0	=	0	0	=	0	0	=	0	0	=	0	0	=	0	0	=	2	0	+	0	0	=	3	0	+
Ellicott Mills MS	0	0 %	0	0	=	0	0	=	0	0	=	0	0	=	3	3	=	0	0	=	3	3	=	0	0	=	3	3	=	0	0	=	3	3	=
Folly Quarter MS	0	0%	0	0	=	0	0	=	0	0	=	3	3	=	0	0	=	1	1	=	0	0	=	3	3	=	0	0	=	3	3	=	0	0	=
Glenwood MS	0	0%	0	0	=	0	0		0	0	=	0	0		0	0	=	2	2		0	0		3	3	=	0	0		3	3		0	0	=
Hammond MS	0	0%	0	0	=	0	1		0	0	=	0	0	=	0	0	=	0	0	=	0	0		0	0	=	1	1		0	0		3	3	=
Harpers Choice MS	0	0%	0	0	=	1	1		0	0	=	0	0		2	2	=	0	0	=	3	3		0	0	=	3	3		0	0		3	3	=
Lake Elkhorn MS	0	0%	0	0	=	1	1		0	0	=	3	3	=	0	0	=	3	3	=	0	0		3	3	=	0	0		3	3		0	0	=
Lime Kiln MS	0	0%	0	0	=	1	1		0	0	=	3	0	+	0	0	=	3	0	+	0	0		3	0	+	0	0		3	0	+	0	0	=
Mavfield Woods MS	0	0%	1	0	+	1	0	+	2	1	+	0	3		0	0	=	0	0	i i i	3	0	+	0	0	÷.	3	0	+	0	0	i i i	3	2	+
Mount View MS	0	0%	0	0	=	0	0	Ξ	0	0	=	2	2	=	0	0	=	2	2	=	0	0	=	3	3	=	0	0		1	1	=	0	0	=
Murray Hill MS	0	0%	1	0	+	1	0	+	0	0	=	0	0		3	0	+	0	0		3	3	=	0	0	=	3	3	=	0	0		3	3	=
New MS #20	0	0%		0	÷.		2	÷		1	=		3	=	-	0	÷	-	0	=	-	0	=		0	=	-	0	=		0	=		2	=
Oakland Mills MS	0	0%	0	0	=	0	0		2	2	=	0	0		0	0	=	0	0		1	1	=	0	0		1	1		0	0		2	2	=
Patapsco MS	0	0%	0	0	=	0	0		0	0	=	0	0	=	2	2	=	0	0	=	3	3	=	0	0	=	0	0		0	0		2	2	=
Patuxent Valley MS	0	0%	0	0	=	2	0	+	1	0	+	1	2	-	0	0	=	0	0	=	0	0		0	0	=	1	2		0	0		3	3	=
Wilde Lake MS	0	0%	0	0	=	0	0	=	0	0	=	0	0	=	2	2	=	0	0	=	3	3	Ξ	0	0	=	3	3	=	0	0	=	3	3	=
Overall MS	0	0 %	5	2		12	11		7	5		14	18		18	12		14	11		25	20		18	15		26	19		16	13		37	32	_
Strengthened				+	3		+	3		+	3		+	1		+	2		+	1		+	2		+	1		+	3		+	1		+	3
Weakened				-	0			1		- 1	0		-	2			0		-	0			0		-	0			1			0		-	0
Negligible				=	17		=	16		=	17		=	17		=	18		=	19		=	18		=	19		=	16		=	19		=	17
Mean	0.0	0 %				Mini	mums					0.7	0.9		0.9	0.6		0.7	0.6		1.3	1.0	<u> </u>	0.9	0.8		1.4	1.0		0.8	0.7		1.9	1.6	_
StdDev	0.0	0.70				2.0%		-				v.1	0.5		0.5	0.0		0.1	0.0		1.5	1.0		0.5	0.0		1.4	1.0	-	0.0	0.7		1.5	1.0	
SIGDIOT	NO MO	VEMENT	ST	RENG	STH	AL	TRENG		ST	RENG	TH	W	EAKNE	SS	ST	RENG	тн	ST	RENG	TH	ST	RENG	TH	ST	RENG	TH	ST	RENO	GTH	ST	RENO	GTH	ST	RENG	ГН

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
School	Enr. Cap. Util Rat	e Enr. Cap. Util Rate	Enr. Cap. UtilRate	Enr. Cap. Util Rate	Enr. Cap. Util Rate	Enr. Cap. Util Rate	Enr. Cap. Util Rate	Enr. Cap. UtilRate	Enr. Cap. Util Rate	Enr. Cap. Util Rate	Enr. Cap. Util Rate	Enr. Cap. Util Rate
Bonnie Branch MS	Before 761 662 115.09 After 630 662 95.2%			847 662 127.9% 709 662 107.1%	866 662 130.8% 722 662 109.1%	885 682 133.7% 737 682 111.3%	832 662 125.7% 692 682 104.5%	822 682 124.2% 682 682 103.0%	779 662 117.7% 646 662 97.6%	815 662 123.1% 676 662 102.1%	815 662 123.1% 675 662 102.0%	
Burleigh Manor MS	Before 751 779 98.4% After 751 779 98.4%		777 779 99.7% 777 779 99.7%	788 779 98.6% 788 779 98.6%	770 779 98.8% 770 779 98.8%	780 779 100.1% 780 779 100.1%	782 779 100.4% 782 779 100.4%	818 779 105.0% 818 779 105.0%	855 779 109.8% 855 779 109.8%	904 779 118.0% 904 779 118.0%	922 779 118.4% 922 779 118.4%	
Clarksville MS	Before 593 643 92.2% After 593 643 92.2%	582 843 87.4% 582 843 87.4%		511 643 79.5% 511 643 79.5%	489 643 76.0% 489 643 76.0%	449 643 69.8% 449 643 69.8%	381 643 59.3% 381 643 59.3%	325 643 50.5% 325 643 50.5%	320 643 49.8% 320 643 49.8%	339 643 52.7% 339 643 52.7%	350 643 54.4% 350 643 54.4%	357 643 55.5% 357 643 55.5%
Dunloggin MS	Before 622 565 110.19 After 622 565 110.19			674 565 119.3% 674 565 119.3%	087 585 118.1% 087 585 118.1%	685 585 117.7% 685 585 117.7%	664 565 117.5% 664 565 117.5%	692 585 122.5% 692 585 122.5%	683 565 120.9% 683 565 120.9%	692 565 122.5% 692 565 122.5%	689 565 121.9% 689 565 121.9%	701 585 124.1% 701 585 124.1%
Ekridge Landing MS	Before 794 779 101.99 After 704 779 90.4%			854 779 109.6% 747 779 95.9%	840 779 107.8% 733 779 94.1%	848 779 108.9% 739 779 94.9%	850 779 109.1% 737 779 94.6%	892 779 114.5% 767 779 98.5%	904 779 116.0% 777 779 99.7%	906 779 116.3% 783 779 100.5%	905 779 116.2% 782 779 100.4%	
Ellicott Mills MS	Before 753 662 113.79 After 753 662 113.79			873 662 131.9% 873 662 131.9%	876 662 132.3% 876 662 132.3%	899 662 135.8% 899 662 135.8%	933 682 140.9% 933 682 140.9%	970 882 148.5% 970 882 148.5%	987 882 148.1% 987 882 148.1%	959 682 144.9% 959 682 144.9%	953 882 144.0% 953 882 144.0%	
Folly Quarter MS	Before 542 862 81.9% After 542 862 81.9%			805 882 91.4% 805 882 91.4%	598 882 90.0% 598 882 90.0%	592 882 89.4% 592 882 89.4%	557 682 84.1% 557 682 84.1%	531 682 80.2% 531 682 80.2%	523 662 79.0% 523 662 79.0%	554 662 83.7% 554 662 83.7%	552 882 83.4% 552 882 83.4%	547 082 82.0% 547 082 82.0%
Glenwood MS	Before 534 545 98.0% After 534 545 98.0%		517 545 94.9% 517 545 94.9%	494 545 90.6% 494 545 90.6%	488 545 85.5% 488 545 85.5%	462 545 84.8% 462 545 84.8%	449 545 82.4% 449 545 82.4%	443 545 81.3% 443 545 81.3%	418 545 78.7% 418 545 78.7%	432 545 79.3% 432 545 79.3%	427 545 78.3% 427 545 78.3%	452 545 82.9% 452 545 82.9%
Harmond MS	Before 549 604 90.9% After 569 604 94.2%			587 804 93.9% 587 804 97.2%	583 604 96.5% 607 604 100.5%	600 604 99.3% 623 604 103.1%	631 604 104.5% 652 604 107.9%	841 804 108.1% 884 804 109.9%	667 604 110.4% 698 604 115.2%	687 604 113.7% 725 604 120.0%	710 604 117.5% 753 604 124.7%	
Harpers Choice MS	Before 550 508 108.79 After 550 508 108.79	586 508 111.9% 588 508 111.9%		606 508 119.8% 606 508 119.8%	611 508 120.8% 611 508 120.8%		605 506 119.6% 605 506 119.6%	620 506 122.5% 620 506 122.5%	608 506 120.2% 608 506 120.2%	603 508 119.2% 603 508 119.2%	610 506 120.6% 610 506 120.6%	630 506 124.5% 630 506 124.5%
Lake Elkhorn MS	Before 463 643 72.0% After 505 643 78.5%	503 643 78.2%	504 643 78.4%	475 643 73.9% 520 643 80.9%	485 643 75.4% 530 643 82.4%	500 643 77.8% 545 643 84.8%	500 643 77.8% 545 643 84.8%	505 643 78.5% 550 643 85.5%	501 643 77.9% 548 643 85.2%	509 643 79.2% 560 643 87.1%	516 643 80.2% 568 643 88.3%	512 643 79.6% 564 643 87.7%
Lime Kiln MS	Before 611 701 87.2% After 683 701 97.4%			596 701 85.0% 673 701 96.0%	586 701 83.6% 684 701 94.7%	679 701 96.9%	581 701 82.9% 687 701 95.1%	557 701 79.5% 644 701 91.9%	637 701 90.9%	659 701 94.0%	586 701 83.6% 679 701 96.9%	675 701 96.3%
Mayfield Woods MS	Before 708 798 96.0% After 627 798 78.6%	827 798 103.6% 667 798 83.6%	700 798 87.7%	945 798 118.4% 749 798 93.9%	964 798 120.8% 789 798 98.4%	998 798 125.1% 797 798 99.9%	794 798 99.5%	824 798 103.3%	839 798 105.1%	1117 798 140.0% 874 798 109.5%	907 798 113.7%	1191 798 149.2% 930 798 116.5%
Mount View MS	After 727 798 91.1%		688 798 86.2%	687 798 88.1% 687 798 88.1%	728 798 91.0% 728 798 91.0%	715 798 89.6% 715 798 89.6%	685 798 85.8% 685 798 85.8%	659 798 82.6% 659 798 82.6%	665 798 83.3% 665 798 83.3%	712 798 89.2% 712 798 89.2%	754 798 94.5% 754 798 94.5%	791 798 99.1% 791 798 99.1%
Murray HillMS	Before 869 682 131.3% After 622 662 94.0%			1027 682 155.1% 731 662 110.4%	1074 662 162.2% 760 662 114.8%	1105 682 168.9% 778 682 117.2%	1158 682 174.9% 807 682 121.9%	1141 682 172.4% 789 682 119.2%	1129 662 170.5% 775 662 117.1%	1156 662 174.6% 789 662 119.2%		1207 662 182.3% 817 662 123.4%
New MS #20	Before 0 882 0.0% After 513 882 77.5%	0 662 0.0% 550 662 83.1%	0 662 0.0% 577 662 87.2%	0 662 0.0% 602 662 90.9%	0 662 0.0% 613 662 92.6%	0 662 0.0% 628 682 94.6%	0 682 0.0% 630 682 95.2%	0 682 0.0% 654 682 98.8%	0 662 0.0% 675 662 102.0%	0 662 0.0% 705 662 106.5%	0 882 0.0% 732 882 110.8%	0 662 0.0% 748 662 113.0%
Oakland Mills MS	Before 481 508 95.1% After 481 508 95.1%	503 506 99.4% 503 506 99.4%		508 508 100.4% 508 508 100.4%	554 508 109.5% 554 508 109.5%	570 508 112.6% 570 508 112.6%	568 506 111.9% 568 506 111.9%	544 508 107.5% 544 508 107.5%	547 508 108.1% 547 508 108.1%	554 508 109.5% 554 508 109.5%	560 508 110.7% 560 508 110.7%	563 506 111.3% 563 506 111.3%
Pataps co MS	Before 659 643 102.59 After 659 643 102.59	6 721 643 112.1%	747 643 116.2%	760 643 118.2% 760 643 118.2%	761 643 118.4% 761 643 118.4%	719 643 111.8%	688 643 107.0% 688 643 107.0%	682 643 108.1% 682 643 108.1%	678 643 105.4%	698 643 108.6% 698 643 108.6%	718 643 111.4% 718 643 111.4%	758 643 117.9%
Patuxent Vallev MS	Before 675 760 88.8% After 635 760 83.6%	665 780 87.5%	719 780 94.6%	739 760 97.2% 732 760 96.3%	772 760 101.6% 772 760 101.6%	788 780 103.7% 800 780 105.3%	805 780 105.9% 833 780 109.8%	828 780 108.7% 851 780 112.0%	882 760 116.1% 888 760 116.8%	955 760 125.7%	997 760 131.2%	1019 760 134.1% 1004 760 132.1%
Wilde Lake MS	Before 600 467 128.59 After 600 467 128.59		645 623 103.5% 645 623 103.5%	691 623 110.9% 691 623 110.9%	707 623 113.5% 707 623 113.5%	738 623 118.1% 738 623 118.1%	720 623 115.6% 720 623 115.6%	740 623 118.8% 740 623 118.8%	784 623 122.6% 784 623 122.6%	818 623 131.3% 818 623 131.3%	867 623 139.2% 867 623 139.2%	912 623 146.4% 912 623 146.4%

	Before		After			Before		After			
Middle School	Feeding Schools	Feed	Feeding Schools	Feed	Middle School	Feeding Schools	Feed	Feeding Schools	Feed		
Bonnie Branch MS	Bellows Spring ES lichester ES Jeffers Hill ES Phelos Luck ES Rockburn ES Waterloo ES	4 2% 44.6% 2.0% 31.8% 12.5% 5.0%	Uchester ES Jeffers Hill ES Phelos Luck ES Rockburn ES Waterloo ES	52.5% 2.4% 42.9% 2.2% 0.0%	Lake Fikhorn MS	Cradlerock ES Guilford ES Jeffers Hill ES Talbott Springs ES	51.6% 18.7% 20.6% 9.1%	Cradlerock ES Guilford ES Jeffers Hill ES Talbott Sorings ES	47 2% 25.6% 18.8% 8.3%		
Burleich Manor MS	Centennial ane ES Manor Woods ES Northfield ES	55.3% 24.7% 20.0%	Centennial Lane ES Manor Woods ES Northfield ES	55 3% 24.7% 20.0%	I ime Kiln MS	Clemens Crossing ES Davton Oaks ES Fulton ES Pointers Run ES	97% 22.9% 27.6% 39.8%	Clemens Crossing ES Davton Oaks ES Fuiton ES Pointers Run ES	88% 20.6% 347% 35.9%		
Clarksville MS	Clarksville ES Pointers Run ES	51.3% 48.7%	Clarksville ES Pointers Run ES	51.3% 48.7%	Mavfield Woods MS	Bellows Spring ES Deep Run ES Jeffers Hill ES New ES #41 Phelos Luck ES Waterloo ES	24.9% 30.6% 11.5% 17.4% 4.4% 11.3%	Bellows Sorina ES Deep Run ES Jeffers Hill ES Waterloo ES	27.6% 38.0% 14.3% 20.0%		
Dunloaain MS	Hollifield Station ES Northfield ES St Johns Lane ES Thunder Hill ES Veterans ES	8.5% 46.8% 12.3% 4.6% 27.8%	Hollifield Station ES Northfield ES St Johns Lane ES Thunder Hill ES Veterans ES	8.5% 46.8% 12.3% 4.6% 27.8%	Mount View MS	Manor Woods ES Waverby FS West Friendship ES	32.9% 40.8% 26.4%	Manor Woods ES Waverly FS West Friendship ES	32.9% 40.8% 26.4%		
Elkridoe Landino MS	Elkridae ES New ES #41 Rockburn ES	59 9% 16.9% 23.2%	Elkridae ES Rockburn ES	63.7% 36.3%	Murrav Hill MS	Bollman Bridoe ES Forest Ridoe ES Gorman Crossing ES Hammond ES Laurel Woods ES	52% 20.3% 37.1% 00% 37.5%	Gorman Crossing ES Laurel Woods ES	49.7% 50.3%		
Ellicott Mills MS	Thunder Hill ES Veterans ES Waterloo ES Worthington ES	17.3% 25.9% 22.6% 34.2%	Thunder Hill ES Veterans ES Waterloo, ES Worthington ES	17.3% 25.9% 22.6% 34.2%	New MS #20			Bellows Spring ES Deep Run ES Guifford ES New ES #41 Rockburn ES	10.9% 7.7% 17.3% 54.7% 9.3%		
Follv Quarter MS	Bushv Park ES Clarksville ES Davton Oaks ES Triadelohia Ridoe ES	16.7% 0.0% 37.7% 45.6%	Bushv Park ES Davton Oaks ES Triadelobia Ridoe ES	16.7% 37.7% 45.6%	Oakland Mills MS	Atholton ES Stevens Forest ES Talbott Springs ES Thunder Hill ES	10.0% 46.6% 33.4% 10.0%	Atholton ES Stevens Forest ES Talbott Socinos ES Thunder Hill ES	10.0% 46.6% 33.4% 10.0%		
Glenwood MS	Bushv Park ES Lisbon ES	51.9% 48.1%	Bushv Park ES Lisbon ES	51.9% 48.1%	Pataosco MS	Hollifield Station ES St. Johns Lane ES Waverly ES	43.2% 36.1% 20.7%	Holifield Station ES St.Johns Lane ES Waverly ES	43.2% 36.1% 20.7%		
Hammond MS	Atholton FS Fulton ES Hammond ES	33.5% 32.5% 33.9%	Atholton ES Fulton ES Guilford ES Hammond ES	32.2% 19.1% 0.0% 48.7%	Patuxent Vallev MS	Bollman Bridge ES Deeo Run ES Forest Ridge ES Guifford ES Hammond ES Rockburn ES	36.6% 5.2% 20.7% 18.4% 12.9% 6.3%	Bollman Bridoe ES Forest Ridoe ES	49.6% 50.4%		
Haroers Choice MS	Clemens Crossino ES Lonafellow ES Swansfield ES	<mark>9 2%</mark> 39.9% 50 9%	Clemens Crossina ES Lonafellow ES Swansfield ES	92% 39.9% 50.9%	Wilde Lake MS	Brvant Woods ES Clemens Crossina ES Runnina Brook ES	.33 2% 28.6% .38 2%	Brvant Woods ES Clemens Crossina ES Runnina Brook ES	33.2% 28.6% 38.2%		

	Before		After			Before		After		
High School	Feeding Schools	Feed	Feeding Schools	Feed	High School	Feeding Schools	Feed	Feeding Schools	Feed	
Atholton HS	Clarksville MS Hammond MS Lime Kiln MS Murrav Hill MS Wilde Lake MS	26.1% 15.6% 19.1% 12.1% 27.2%	Clarksville MS Hammond MS Lime Kiln MS Murrav Hill MS Wilde Lake MS	26.1% 15.6% 19.1% 12.1% 27.2%	Marriotts Ridoe HS	Burleioh Manor MS Mount View MS	15.5% 84.5%	Burleigh Manor MS Mount View MS	15.5% 84.5%	
Centennial HS	Burleigh Manor MS Dunloggin MS Ellicott Mils MS	52 5% 19.0% 28.6%	Burleich Manor MS Dunloadin MS Ellicott Mills MS	52 5% 19.0% 28.6%	Mt Hebron HS	Dunloggin MS Ellicott Mills MS Patapsco MS	17.6% 21.7% 60.7%	Dunloaain MS Ellicott MIIs MS Pataosco MS	17.6% 21.7% 60.7%	
Glenela HS	Follv Quarter MS Glenwood MS	33.5% 66.5%	Folly Quarter MS Glenwood MS	33.5% 66.5%	Oakland Mills HS	Lake Elkhorn MS Oakland Mills MS	48.6% 51.4%	Lake Elkhorn MS Oakland Mills MS	48.6%	
Hammond HS	Hammond MS Lake Eikhorn MS Murrav Hill MS Patuxent Vallev MS	17.4% 7.6% 1.9% 73.1%	Hammond MS Lake Elkhorn MS New MS #20 Patuxent Vallev MS	27.3% 13.2% 15.0% 44.6%	Reservoir HS	Hammond MS Lime Kiln MS Murrav Hill MS	22.0% 21.4% 56.6%	Hammond MS Lime Kiln MS Murrav Hill MS Patuxent Vallev MS	15.6% 27.8% 39.1% 17.5%	
Howard HS	Bonnie Branch MS Elkridoe Landino MS Ellicott Mills MS Mavfield Woods MS	43.3% 40.5% 15.8% 0.4%	Bonnie Branch MS Elkridoe Landino MS Ellicott Mills MS Mavfield Woods MS		River Hill HS	Clarksville MS Follv Quarter MS Lime Kiln MS	47.4% 28.0% 24.6%	Clarksville MS Follv Quarter MS Lime Kiln MS	47.4% 28.0% 24.6%	
Lono Reach HS	Bonnie Branch MS Elkridae Landino MS Mavfield Woods MS		Bonnie Branch MS Elkridoe Landino MS Mavfield Woods MS New MS #20	11.8% 7.2% 53.1% 27.9%	Wilde Lake HS	Dunloaain MS Haroers Choice MS Wilde Lake MS	12.4% 57.6% 30.1%	Dunloagin MS Harpers Choice MS Wilde Lake MS	12.4% 57.6% 30.1%	