2018 Feasibility Study

An Annual Review of Long-Term Capital Planning and Attendance Area Adjustment Options



Howard County Public School System

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Feasibility Study: An Annual Review of Long-Term Capital Planning and Attendance Area Adjustment Options

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June 2018

Howard County Public School System

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Electronic copy of the 2018 Feasibility Study can be found on the school system's website at www.hcpss.org/school-planning/

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Section 1

Executive Summary



Executive Summary

The Howard County Public School System (HCPSS) annual Feasibility Study provides a comprehensive look at the ten-year student enrollment projections. The intent of this document is to provide the most updated student enrollment projection to the Board of Education, staff members and public to inform capital and operating decisions. This document contains specific information about K-12 student enrollment and projected enrollment for each school and county-wide. K-12 projections are produced in the winter of each year, predicting number of students on September 30 of each year.

The projection is used to develop the Superintendent's Proposed Operating and Capital Budgets for the next fiscal year and the annual Feasibility Study. The enrollment projections inform long-range facilities planning decisions, such as the need to relocate regional programs, implement school attendance area adjustments, assign relocatable classrooms, construct permanent classroom additions to existing schools, and replace or build new schools. The official K-12 enrollment on September 30, 2017 was 55,485 students. Continued enrollment growth is projected for school year 2018-19. Since the Fall of 2008 (48,790 students), HCPSS enrollment has increased by 6,601 students, which equates to a 13.5 percent growth over the past decade.

The projected enrollment for school year 2018-19 is 56,444 students, which is a gain of 959 students, and represents 1.7 percent growth over last year. The Board of Education (Board) approved changes in the attendance areas for the school year 2018-19 on November 17, 2017. The newly developed student enrollment projections take into account the new boundaries and JumpStart participation. Figure 1.1 below shows the K-12 projected enrollment for school years 2018-19 through 2027-28.

The projection shows an increase in enrollment of over 7,000 students in the next ten years. Changes in delivery of capacity projects are recommended for the upcoming capital budget and long-range master plan request and are outlined on page 16 of this document. **This plan does not recommend school boundary adjustments for school year 2019-20.**

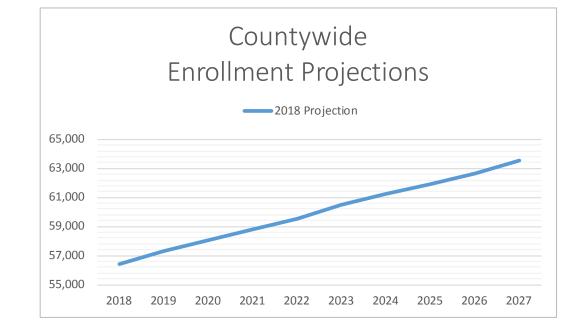


Figure 1.1 Countywide Enrollment Projections 2018-2027

Executive Summary

Howard County Public School System

Feasibility Study: An Annual Review of Long-Term Capital Planning and Attendance Area Adjustment Options

Section 2

Planning Considerations

Planning assumptions and considerations regarding enrollment growth and other factors are addressed in this section. These factors are reviewed and updated on an annual basis. Implications of the factors discussed in this section include capital planning decisions. This section presents a discussion of the major components and adjustments included in this year's planning considerations.

June 2018

Introduction

The Office of School Planning is pleased to present the 2018 Feasibility Study report for the Howard County Public School System (HCPSS). The report provides detailed information on the number of students projected for each school at HCPSS on September 30th of each school year for the period beginning in school year 2018-19 and ending in school year 2029-30. Projection accuracy is reported annually to the Board of Education (Board) each February. To project future enrollment, HCPSS uses multiple sets of data, which include the number of births for Howard County, the five-year history of cohort survival (i.e., ratio of students moving from one grade to the next in the same school), first-time sales of newly-constructed homes, resales of existing homes, apartment turnover, and enrollment at regional programs. Each data point is projected separately based on specific, appropriate methodologies for each category.

Enrollment projections are a valuable planning tool to help predict the need for new or expanded schools and determine how many teachers are needed each year in each school and grade. Enrollment projections are also used for facility planning purposes to estimate the expected number of students in each school.

Each year, the Board of the HCPSS reviews the capital planning options and boundary adjustment considerations through a feasibility study. The report has four goals:

- Inform the long-term planning process.
- Facilitate discussion of decisions that may lay ahead.
- Provide strategic information to the school system.
- Prepare for scheduled school boundary adjustments.

The Office of School Planning presents the student enrollment projection, projection trends, comprehensive strategies for the capital improvement program (i.e., additions) and attendance area adjustments anticipated within the ten-year CIP. Any plans examined in this document may only be implemented through the Board's approval of the capital budget and/or attendance area changes. Funding restraints may not allow capital projects recommended in this document to proceed as recommended.

New to the 2018 Feasibility Study are the latest Council requirements under the adequate public facilities ordinance. These items include State and Local Capacities, each school's most recent redistricting, factors contributing to growing enrollment, as well as funding and redistricting assumptions for schools that are projected to be open to new residential development in the testing year due to a capital project or attendance area adjustments associated with a capital project.

Experience has shown that by presenting this report annually, assumptions and trends can be evaluated on a regular basis and appropriate adjustments can be made to the capital budget or attendance area plans. Changes may need to be considered to react to and plan for anticipated population shifts or new residential development.

Annual enrollment projections are also used in short-term decision-making, such as determining staffing, school supplies and allocating relocatables.

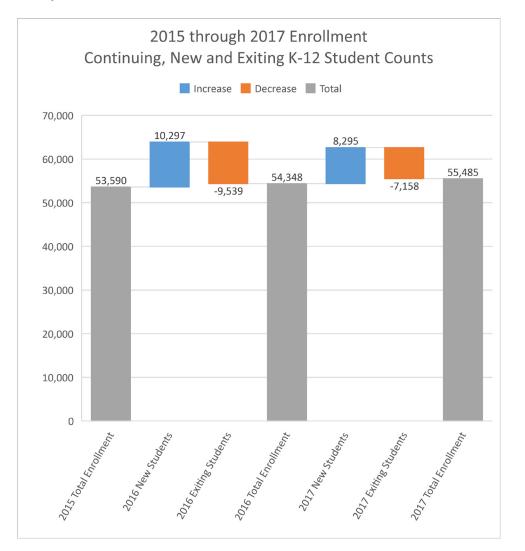
HCPSS Current Enrollment

On September 30, 2017, the total K-12 enrollment was 55,485 students. This total includes students from kindergarten to twelfth grade. Figure 2.1 below is a waterfall chart that illustrates the net change of student enrollment over the last three years.

Figure 2.1 2015 - 2017 Waterfall Chart

Figure 2.1 illustrates the total "ins and outs" (increase and decrease) over the last three years. New students arrive in HCPSS each year, and are mainly from new homes, resales, and kindergarten students enrolling in HCPSS for the first time. The exiting student group includes graduating twelfth graders and families moving out of Howard County.

Student Groups	Counts
2015 Total Enrollment	53,590
2016 New Students	10297
2016 Exiting Students	-9539
2016 Total Enrollment	54,348
2017 New Students	8295
2017 Exiting Students	-7158
2017 Total Enrollment	55,485



Projection Methodology

HCPSS, as well as many other school districts, uses cohort survival ratio as a student enrollment projection methodology. For the purposes of the school system, a cohort is a group of students at a specific grade level.

The cohort survival ratios are calculated based on actual student data and are aggregated by school attendance area to maintain comparability regardless of any changes in school attendance area boundaries. Cohort-survival ratios project how many second graders will result from last year's first graders, how many third graders will result from last year's second graders, and continues until the number of twelfth graders from last year's eleventh graders is predicted, based on recent historical student data. This calculation is done for each grade level, at each school, using the most recent 3-5 years of historical data to predict future enrollment. The most recent past is viewed as the best predictor of the near future.



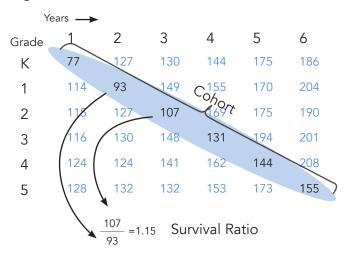


Figure 2.2 illustrates a cohort survival ratio. In the example, the rate of 1.15 can be used to predict how many second graders will result from the previous year's first graders. A cohort survival rate that is greater than one (1), indicates more students entered the grade than progressed from the previous grade. A cohort survival rate of less than one (1) indicates there are fewer students moving to the next grade at that school than the count of students from the previous grade.

In addition to cohort survival ratios, HCPSS uses Howard County birth data, student yields from firsttime sales of newly-constructed homes, resales of existing homes, and apartment turnover, as well as enrollment in regional programs. Table 2.1 below shows the total by-grade projected enrollment for the HCPSS for school year 2018-19.

Table 2.1	By Grade Enrollment Projection for September 30, 2018	3
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2018 Projection by Grade									
Elementary	Projection		Middle	Projection		High	Projection		
К	3,835		6th	4,598		9th	4,887		
1st	4,030		7th	4,494		10th	4,459		
2nd	4,246		8th	4,357		11th	4,249		
3rd	4,221					12th	4,171		
4th	4,346								
5th	4,551								

HCPSS Projected Enrollment

HCPSS ten-year K-12 projected enrollment for school year 2018-19 through 2027-28 continues to show enrollment growth at all levels.

The projection is presented to school year 2029-30 in Section 5 of this document. Certain decisions such as site acquisition are appropriately informed by the latter part of the projection. Planning issues may become apparent by comparing the current projection to those made in previous years. The following charts use a ten-year series and present three consecutive annual projections.

It is anticipated that for school year 2018-19, we will receive a net increase of 959 students. This increase comes from a variety of migration patterns and includes sales of existing homes and new construction. It is important to know that new construction is only new construction for one year in the HCPSS projection. After the first year, the new students generated by homes constructed in previous years are counted through cohort survival or resales.

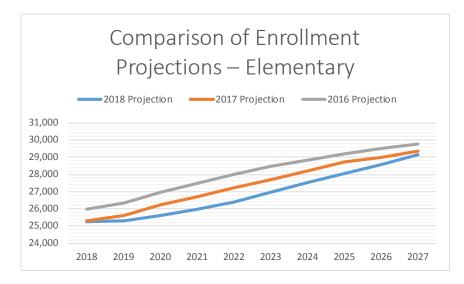
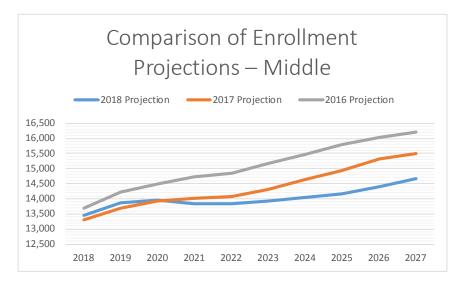


Figure 2.3 Comparison of Three Enrollment Projections - Elementary

As shown in Figure 2.3, the 2018 elementary projection includes a similar rate of enrollment growth in the near-term, while trending towards a slightly lower enrollment in the long-term view. The trend in the 2018 projection is for elementary enrollment to increase by nearly 4,000 students by 2027.

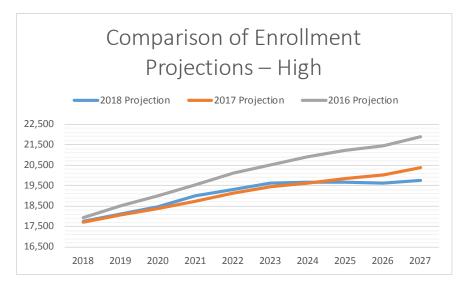
As a result of this enrollment growth, the capacity utilization of all elementary schools combined will begin to exceed 110 percent by 2026 if new elementary schools are not built. Projects approved as part of the FY 2019 CIP can accommodate most of this growth.

Figure 2.4 Comparison of Three Enrollment Projections - Middle



As shown in Figure 2.4, the middle school projected enrollment is expected to increase by 1,200 student by 2027. The 2018 middle school enrollment growth trend rate is lower than the 2016 and 2017 in longterm growth. As a result of this enrollment growth, the combined capacity utilization of all middle schools will begin to exceed 110 percent beyond 2029. Most of the projected growth is in the East and North, and based on the long-term growth trends, strategic capacity projects should be considered for the middle school needs.

Figure 2.5 Comparison of Three Enrollment Projections - High



High school enrollment is projected to increase by nearly 2,000 student by 2027, as shown in Figure 2.5. As a result of this growth, the combined capacity utilization of all high schools will begin to exceed 110 percent beyond 2021. Similar to the middle school growth, high school growth is in the Eastern portions of the county. Based on the longterm growth trends, continued planning and finalization of the Mission Road site acquisition should continue.

Projection Growth Factors

The new Adequate Public Facilities Ordinance adopted by the County Council in 2018 requires that HCPSS report factors that contribute to growing enrollment. This chart compares the official enrollment from school year 2017-18 with the updated projection for school year 2018-19, identifying schools with enrollment increase projected. Some schools show higher enrollment for school year 2018-19, but were involved in the redistricting approved in November 2017. This makes it difficult to estimate how much of the projected increase would have occurred without redistricting. The section of the chart labeled "Projected 2018 Student Yield" shows the estimated breakdown of the contribution of each housing factor on the number of students added to each school for school year 2018-19. Counted here are students projected to arrive at each school due to turnover of multi-family housing, resale of existing homes, and new construction. "Other factors" is the sum of all other contributing factors to change in enrollment between years for each school and includes projected change due to cohort size rising to next level, changes to cohort survival rates, changes in birth counts from 5 years ago, change to birth to kindergarten survival rates, adjustments to out of district counts, students who moved into an attendance area between birth and five years old, and adjustments based on previous projection accuracy. Tables 2.2, 2.3 and 2.4 below identify which portion of the project student enrollment.

•	Liementa		001 310			Pro	jected 2018	8 Student Yie	ld
			Projected 2018 Enrollment	Projected Enrollment Change	RED 2017	Apt Turnover	Resale	New Construction	Other Factors
	Atholton ES	459	456	-3		8.0	12.7	0.0	-23.7
_	Bellows Spring ES	749	671	-78	Y	3.1	2.0	16.1	-99.2
	Bollman Bridge ES	631	646	15		38.3	5.0	12.3	-40.7
	Bryant Woods ES	397	390	-7		17.1	7.6	0.0	-31.7
	Bushy Park ES	602	584	-18		0.0	35.8	10.6	-64.4
	Centennial Lane ES	765	755	-10		14.6	34.9	1.5	-61.0
	Clarksville ES	432	419	-13		5.0	15.2	5.6	-38.8
	Clemens Crossing ES	550	470	-80	Y	0.0	11.5	6.0	-97.5
	Cradlerock ES	468	464	-4		2.8	20.0	0.0	-26.8
	Dayton Oaks ES	619	604	-15		0.0	36.2	6.1	-57.3
	Deep Run ES	760	677	-83	Y	14.9	6.0	0.4	-104.3
	Ducketts Lane ES	891	673	-218	Y	21.9	2.0	0.0	-241.9
	Elkridge ES	849	857	8		17.3	27.0	17.8	-54.1
	Forest Ridge ES	693	685	-8		3.5	13.0	0.6	-25.2
	Fulton ES	878	949	71		0.0	27.4	41.2	2.5
	Gorman Crossing ES	776	794	18		2.7	21.8	18.4	-24.8
	Guilford ES	411	399	-12		9.4	13.1	1.5	-36.0
	Hammond ES	651	642	-9		10.8	17.5	0.4	-37.6
	Hollifield Station ES	811	826	15		38.0	19.8	15.4	-58.2
	Ilchester ES	615	578	-37		0.0	14.1	7.1	-58.1
	Jeffers Hill ES	428	428	0		12.7	10.0	0.0	-22.7
	Laurel Woods ES	574	588	14		23.3	8.0	0.7	-18.1
	Lisbon ES	455	449	-6		0.0	20.3	4.9	-31.2
	Longfellow ES	408	402	-6		16.0	8.0	0.7	-30.8
	New ES #42(HHES)	0	649	649	Y	7.3	8.2	24.1	609.3
	Manor Woods ES	794	635	-159	Y	7.9	32.7	8.8	-208.4
	Northfield ES	748	727	-21		8.1	29.1	1.1	-59.3
	Phelps Luck ES	548	528	-20		24.7	10.7	0.0	-55.3
	Pointers Run ES	721	834	113	Y	0.0	42.7	14.1	56.2
	Rockburn ES	647	553	-94	Y	0.0	11.3	14.4	-119.8
	Running Brook ES	459	499	40		33.5	2.0	17.9	-13.3
	St Johns Lane ES	703	694	-9		8.7	28.3	0.4	-46.4
	Stevens Forest ES	390	388	-2		20.7	5.4	0.0	-28.1
	Swansfield ES	605	606	1		30.4	9.0	1.2	-39.6
	Talbott Springs ES	459	458	-1		10.0	4.2	0.0	-15.2
	Thunder Hill ES	544	535	-9		16.3	10.0	0.0	-35.3
	Triadelphia Ridge ES	553	570	17	Y	0.0	25.2	27.9	-36.2
	Veterans ES	861	885	24		28.0	20.1	4.6	-28.7
	Waterloo ES	581	582	1		20.3	7.0	1.1	-27.4
	Waverly ES	695	802	107	Y	0.8	37.8	8.3	60.2
	West Friendship ES	327	394	67	Y	0.0	24.3	0.9	41.9
	Worthington ES	515	484	-31		1.2	11.6	3.2	-47.0

Table 2.2 Elementary School Student Yield Data

Projected enrollment increase w/out redistricting

Table 2.3Middle School Student Yield Data

				Ī	Pr	ojected 2018	Student Yie	eld
	2017 Enrollment	Projected 2018 Enrollment	Projected Enrollment Change	RED 2017	Apt Yield	Resale Yield	NC Yield	Other Factors
Bonnie Branch MS	716	777	61	Y	-5.0	12.1	2.4	51.5
Burleigh Manor MS	807	804	-3		-10.4	18.0	4.9	-15.4
Clarksville MS	552	668	116	Y	0.0	10.6	3.3	102.2
Elkridge Landing MS	693	715	22		0.7	5.8	6.7	8.9
Ellicott Mills MS	853	883	30		-1.0	11.0	1.6	18.4
Folly Quarter MS	663	647	-16		0.0	10.6	4.5	-31.1
Glenwood MS	495	480	-15		0.0	8.9	5.7	-29.6
Hammond MS	554	563	9		-7.2	7.8	1.1	7.3
Harpers Choice MS	596	546	-50	Y	-8.5	11.5	0.7	-53.7
Lake Elkhorn MS	548	557	9		-1.4	-0.7	0.0	11.1
Dunloggin MS	630	639	9		-12.0	2.3	0.9	17.8
Lime Kiln MS	734	626	-108	Y	0.0	16.3	12.1	-136.4
Mayfield Woods MS	712	780	68	Y	-8.8	-0.6	3.7	73.7
Mount View MS	819	834	15		-0.4	24.2	5.6	-14.4
Murray Hill MS	700	697	-3		-0.7	9.5	6.6	-18.5
Oakland Mills MS	472	507	35		-3.7	0.2	0.1	38.3
Patapsco MS	706	739	33		-8.0	5.4	5.4	30.2
Patuxent Valley MS	618	652	34		-3.1	0.0	5.0	32.1
Thomas Viaduct MS	687	707	20		-8.5	7.6	13.3	7.5
Wilde Lake MS	610	628	18	Y	-12.2	3.8	13.9	12.4
-	13165	13449	284		-90.1	164.3	97.4	

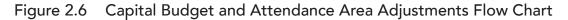
Projected enrollment increase w/out redistricting

Table 2.4High School Student Yield Data

					Pro	pjected 201	18 Student Yie	eld
	Offical 2017 Enrollment	Projected 2018 Enrollment	Projected Enrollment Change	JumpStart	Apt Turnover	Resale	New Construction	Other Factors
Atholton HS	1479	1516	37		-6.5	10.1	4.5	28.9
Centennial HS	1614	1664	50	Y	-5.8	16.1	1.5	38.3
Glenelg HS	1173	1197	24		0.0	15.6	3.8	4.6
Hammond HS	1301	1356	55		-11.1	1.5	5.1	59.5
Howard HS	1914	1908	-6	Y	-1.7	15.3	9.9	-29.5
Long Reach HS	1636	1586	-50	Y	-13.6	6.3	10.0	-52.8
Marriotts Ridge HS	1332	1376	44		-6.8	12.5	4.0	34.3
Mt Hebron HS	1567	1590	23		-13.0	4.4	3.2	28.4
Oakland Mills HS	1161	1217	56	Y	-8.7	8.7	0.1	55.9
Reservoir HS	1527	1595	68		-1.6	4.5	14.0	51.1
River Hill HS	1157	1411	254	Y	-0.6	12.0	8.3	234.4
Wilde Lake HS	1276	1350	74		-17.6	2.0	2.8	86.8

Projected enrollment increase w/out redistricting

Relationship to Capital Budget



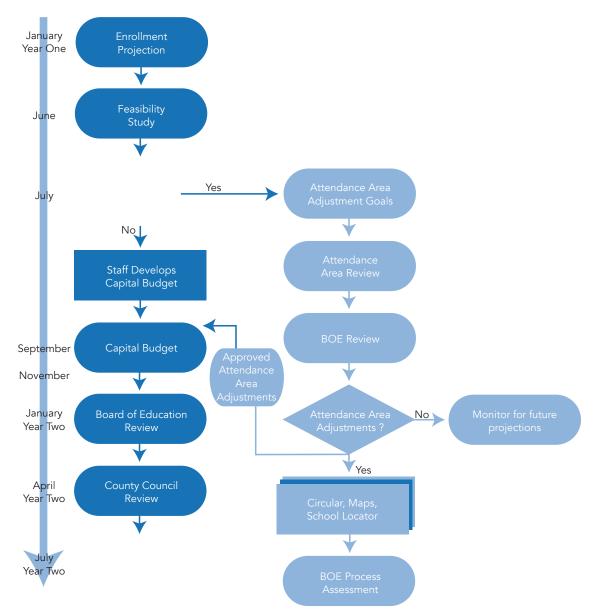


Figure 2.6 shows the school boundary adjustment process in the context of the capital budget. The feasibility study is presented as the capital budget is being prepared. The graphic shows that while school boundary adjustments may not take place annually, they are given consideration annually in the feasibility study. There are a number of ways to address enrollment growth. In some cases, new capacity or a capital project is the best solution. In other cases, a school boundary adjustment consistent with policy may allow better use of existing capacity. Sometimes a change to regional program location can open capacity. Relocatable buildings can also be used to relieve overcrowding. The process is ongoing but may be tracked through this document and the capital budget process.

Relationship to Capital Budget

The annual capital budget contains a Capital Improvement Plan (5-year plan) and Long-Range Master Plan (10-year plan). Table 2.5 is a copy of the FY 2019–2028 Long-Range Master Plan from FY 2019 Board Requested Capital Budget. Capital projects are shown with anticipated funding phased out over future fiscal years. The Feasibility Study evaluates enrollment trends and discusses adjustments and changes that may be reflected in the CIP and Long-Range Master Plan.

The new Adequate Public Facilities Ordinance adopted by the County Council in 2018 requires that HCPSS reports funding and attendance area adjustment assumptions for projects that are open due to a capital project or attendance area adjustments associated with a capital project. The Board Requested FY 2019 – 2027 Long Range Master Plan as approved by the Board on March 5, 2018, is below. The final adoption of the FY 2019 Capital Budget is scheduled for May 31, 2018.

			FY	2019-20	28 Lo	ng-Ra	ange	Mast	er Pla	n					
Board o	of Education's Requested					(In Thousands	5)								March 5, 2018
Capacity	Project	County Project	Occupancy	Approved Appropriations	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total Approp. plus FY19-FY28 Request
100	Waverly ES Phase I & II Renovation/Addition*	E0973	Aug 2018	\$ 36,769	\$ 4,000	\$-	\$ -	\$-	\$ -	\$-	\$ -	\$-	\$ -	\$-	\$ 40,769
832	New ES #42	E1028	Aug 2018	35,741	8,132	-	-	-	-	-	-	-	-	-	43,873
640	Talbott Springs ES Replacement School	E1043	Aug 2021	1,000	8,156	18,250	12,218	2,000	-	-	-	-	-	-	41,624
1,615	New HS #13	E1035	Aug 2023	-	6,732	25,315	25,415	25,515	25,115	15,972	-	-	-	-	124,064
200	Hammond HS Renovation/Addition	E1024	Aug 2023	-	6,000	18,695	18,795	18,895	19,995	15,147	-	-	-	-	97,527
788	New ES #43	E1039	Aug 2023	-	-	6,000	11,500	15,215	17,927	8,000	-	-	-	-	58,642
97	Dunloggin MS Renovation/Addition	TBD	Aug 2024	-	-	-	2,000	10,694	12,671	9,534	4,000	-	-	-	38,899
156	Ellicott Mills MS Addition	E1037	Aug 2024	-	-	-	-	-	1,000	6,415	1,000	-	-	-	8,415
-	Oakland Mills MS Renovation*	E1036	Aug 2026	-	-	-	-	-	-	9,003	14,404	10,603	2,000	-	36,010
150	Clarksville ES Addition	TBD	Aug 2026	-	-	-	-	-	-	2,000	7,000	1,000	-	-	10,000
788	New ES #44	E1040	Aug 2027	-	-	-	-	-	-	5,705	15,881	21,175	15,881	-	58,642
TBD	MS/HS Career Development Center	TBD	Aug 2028	-	-	-	-	-	-	11,232	22,566	30,850	31,686	22,566	118,900
788	New ES #45	E1041	Aug 2029	-	-	-	-	-	-	-	-	5,705	15,881	21,175	42,761
	Systemic Renovations/Modernizations	TBD		-	28,655	15,650	17,644	18,007	18,841	18,298	17,598	17,000	18,000	20,000	189,693
	Roofing Projects	TBD		-	12,500	5,000	1,000	5,000	1,000	1,000	5,000	5,000	5,000	5,000	45,500
	Playground Equipment	E0990		2,930	-	250	250	250	250	250	500	500	500	500	6,180
	Relocatable Classrooms	TBD		-	2,500	2,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	17,000
	Site Acquisition & Construction Reserve	TBD		-	-	-	-	-	-	-	2,000	2,000	2,000	2,000	8,000
	Technology	TBD		-	2,750	5,500	5,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	66,250
	School Parking Lot Expansions	E1012		4,200	-	-	-	-	-	-	600	600	600	600	6,600
	Planning and Design	E1038		600	300	300	300	300	300	300	300	300	300	300	3,600
	Barrier Free	E0989		5,603	-	200	200	200	200	200	200	200	200	200	7,403
	TOTALS			\$ 86,843	\$ 79,725	\$ 97,660	\$ 96,322	\$105,076	\$106,299	\$112,056	\$100,049	\$103,933	\$101,048	\$ 81,341	\$ 1,070,352

Table 2.5 FY 2019-2028 Board of Education Requested Long Range Master Plan

* Partial planning funds received in Systemic Renovation Proje

Ten-Year Long-Range Master Plan =

\$983,509

Equitable evaluation of the impact of projected enrollment growth requires calculation of school capacities. Capacities are not necessarily fixed to the capacity designed when a building first opened. Change in space usage, program location, and building or program specifications can change capacity. Capacity methodologies have been reviewed at all three levels. The results from the capacity studies are integrated into any recalculation of capacities due to relocation of regional programs, additions or renovations. The feasibility study expresses the projected enrollment by level and by school as a function of capacity utilization. Utilization is the comparison of a facility's program capacity and its enrollment or projected future enrollment. In the Pre- and Post-Measure Tables (Section 5), the effects of potential capacity projects, or regional program moves on utilization are depicted.

The example below from the 2015 Feasibility Study, illustrates how capacity is shown in these tables. Table 2.6 shows the effect of the larger capacity of the Wilde Lake MS replacement school. The capacity columns show the number of seats, which changes from 467 to 760 in 2017 when the replacement school opened. The corresponding calculation of the percentage utilization also changes, dropping from 128.3 percent to 85.3 percent in 2017.

Post-Measures											
Aggregate Plan											
Chart reflects May 2015 P	rojec	ctions, E	Board of	Educatio	on's FY	2017 Re	equested	сар	acities	and estin	nate
			Сара	acity		2	016-17		2	017-18	
Columbia - East		2016	2017	2018	2019	Proj	% Util.		Proj	% Util.	
Lake Elkhorn MS		643	643	643	643	503	78.2		548	85.2	
Oakland Mills MS		506	506	506	506	434	85.8		438	86.6	
Region MS Totals		1149	1149	1149	1149	937	81.5		986	85.8	
Columbia - West											
Harpers Choice MS		506	506	506	506	574	113.4		595	117.6	С
Wilde Lake MS	R	467	(760)	760	760	599	128.3	С	648	85.3	
Region MS Totals		973	1266	1266	1266	1173	120.6	С	1243	98.2	

Table 2.6 Capacity Chart Example

High school program capacities are a product of either 80 or 85 percent of the total number of teaching stations multiplied by 25 students. The minimum square footage for a teaching space is 660 square feet at all levels. This calculation excludes special education classrooms and special use rooms. Not all teaching stations can be scheduled for every period of the school day, which is the purpose of the 80 percent or 85 percent multiplier. Many of these rooms are designed for a specific class and cannot be adapted for other uses, leaving them unused for a portion of the day.

Middle school program capacities are a product of 95 percent of the total number of teaching stations multiplied by 20.5 students, exclusive of special education classrooms. Like high schools, not all teaching stations can be scheduled for use every period of the school day.

Elementary school program capacities are based on 22 students for each Kindergarten classroom, 19 students for each classroom in Grades 1 and 2, and 25 students for each classroom in Grades 3–5. Not included in the capacities for elementary schools are resource/instructional spaces that are utilized on a schoolwide basis where no one group of students is assigned exclusively. Some examples of spaces not included in the capacity are gymnasiums, cafetoriums, art rooms, music rooms, media centers, gifted and talented rooms, rooms dedicated to Special Education, or regional programs such as Regional Early Childhood Centers or Pre-K.

As mentioned previously, capacities can change with the placement of regional programs, renovations and additions. In many instances local capacities differ from the state rated capacity. Local K-12 program capacity calculations do not include rooms used for prekindergarten programs.

For school year 2018-19, several regional special education and prekindergarten programs were expanded or added, and completion of key capacity projects occurred. As such, rooms were either added or subtracted out of the capacity. Specifically, capacity changed at the following schools:

School	Change	Reasons
Bushy Park ES	-44	Added Academic Life Skills
Dayton Oaks ES	-94	Added Prekindergarten, Primary Learner and Upper Learner
Ducketts Lane ES	-76	Added Prekindergarten
Hanover Hills ES	0	Added Prekindergarten, Regional Emotional Disabilities, reclaimed Community Use Room
Hollifield Station ES	38	Removed Prekindergarten
Ilchester ES	-69	Added Prekindergarten and Primary Learner
Phelps Luck ES	-19	Added Prekindergarten
Rockburn ES	-44	Added Academic Life Skills
Swansfield ES	173	Renovation/addition, including Prekindergarten
Thunder Hill ES	0	Removed Academic Life Skills, added Regional Emotional Disabilities
Waverly ES	172	Renovation/addition
Worthington ES	-75	Added Prekindergarten

Table 2.7 School Capacity Chan	des due to Regiona	al Programs for Scho	51 Year 2018-19
	ges add to negione		



The new Adequate Public Facilities Ordinance adopted by the County Council in 2018 requires that HCPSS report State and Local Capacities. State rated capacities are calculated based on a minimum square footage of 550 square feet per elementary teaching station and 500 square feet per middle or high school teaching station. Relocatable classrooms are excluded from the calculation. The formula to calculate state rated capacity is based on the number of the rooms used for a specific purpose (PreKindergarten, Kindergarten, Grade 1-5, Special Education, Grade 6-12 [General], Career and Technology, Alternative Education) multiplied by the number of seats, and then summed:

 $ES = (\# Pre-K \times 20) + (\# Kindergarten \times 22) + (\# Grade 1-5 \times 23) + (\# Special Education \times 10)$ $MS = 85\% \times (\# General \times 25) + (\# Career \times 20) + (\# Special Education \times 10) + (\# Alternative \times 15)$ $HS = 85\% \times (\# General \times 25) + (\# Career \times 20) + (\# Special Education \times 10) + (\# Alternative \times 15)$

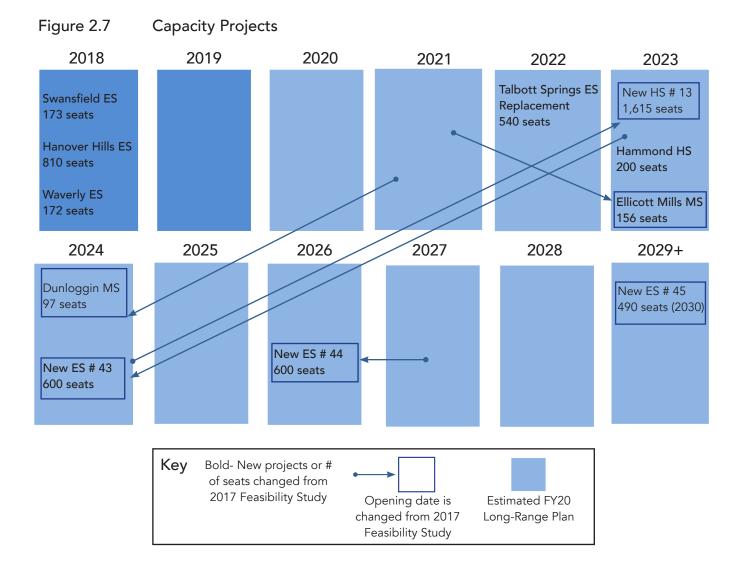
Table 2.8 Local Capacity and State Rated Capacity as of June 2018.

Name	State	Local
Atholton ES	419	424
Bellows Spring ES	720	751
Bollman Bridge ES	694	666
Bryant Woods ES	362	361
Bushy Park ES	910	744
Centennial Lane ES	544	647
Clarksville ES	581	543
Clemens Crossing ES	544	521
Cradlerock ES	556	398
Dayton Oaks ES	910	675
Deep Run ES	740	750
Ducketts Lane ES	785	694
Elkridge ES	819	760
Forest Ridge ES	660	713
Fulton ES	564	826
Gorman Crossing ES	618	735
Guilford ES	522	465
Hammond ES	525	653
Hanover Hills ES	TBD	810
Hollifield Station ES	564	732
Ilchester ES	564	584
Jeffers Hill ES	435	421
Laurel Woods ES	544	640
Lisbon ES	504	527
Longfellow ES	468	512
Manor Woods ES	564	681
Northfield ES	544	700
Phelps Luck ES	578	597
Pointers Run ES	564	744
Rockburn ES	847	609
Running Brook ES	471	515
St Johns Lane ES	619	612
Stevens Forest ES	320	399
Swansfield ES	601	694
Talbott Springs ES	500	377
Thunder Hill ES	386	509
Triadelphia Ridge ES	564	581
Veterans ES	922	799
Waterloo ES	726	663
Waverly ES	678	788
West Friendship ES	394	414
Worthington ES	589	515

Name	State	Local
Bonnie Branch MS	732	701
Burleigh Manor MS	795	779
Clarksville MS	619	643
Dunloggin MS	619	565
Elkridge Landing MS	760	779
Ellicott Mills MS	816	701
Folly Quarter MS	732	662
Glenwood MS	640	545
Hammond MS	679	604
Harpers Choice MS	619	506
Lake Elkhorn MS	765	643
Lime Kiln MS	732	701
Mayfield Woods MS	773	798
Mount View MS	760	798
Murray Hill MS	685	662
Oakland Mills MS	598	506
Patapsco MS	598	643
Patuxent Valley MS	770	760
Thomas Viaduct	754	701
Wilde Lake MS	590	760

Name	State	Local
Atholton HS	1543	1460
Centennial HS	1091	1360
Glenelg HS	944	1420
Hammond HS	1434	1220
Howard HS	1051	1420
Long Reach HS	1434	1488
Marriotts Ridge HS	1434	1615
Mt Hebron HS	1408	1400
Oakland Mills HS	1135	1400
Reservoir HS	1339	1551
River Hill HS	1483	1488
Wilde Lake HS	1434	1424

The FY 2020 Capital Budget will include updates to the long-range plan. Figure 2.7 below shows changes in capacity projects from the 2017 Feasibility Study to the 2018 Feasibility Study. The year shown represents the school year in which occupancy is proposed. For example, the project at Swansfield ES is scheduled to open in September 2018.



Policy Guidance

This document is guided by Board Policy 6010. Projects in the Capital Improvement Program that increase student capacity can be tested in a feasibility study with an attendance area adjustment plan consistent with stated policy goals. Plans will be linked within and across organizational levels to form a short- and long-range attendance area adjustment plan. The Board will review the plan and set direction, as appropriate, during the attendance area adjustment and/or capital budget presentations each year. Policy 6010 discusses consideration of redistricting under certain conditions such as the opening of a school or adjusting to some other change. When school capacity utilization projections fall outside the target capacity utilization range of 90 - 110 percent over a period of time, attendance area adjustments may be considered. Attendance area adjustments are not planned for school year 2019-2020. When boundary line changes are planned, staff will refine the goal-directed short- and long-range plan in the Feasibility Study based on the most current set of projections that conform to Policy 6010 Implementation Procedures. The Superintendent will appoint an Attendance Area Committee to test alternate scenarios consistent with the direction set by the Board and the standards and factors in Policy 6010. Plans may be presented in regional meetings, and various methods will be used to collect additional input from the public. A Superintendent's plan that takes into account previous staff, committee, and community input is presented to the Board.

The Board evaluates the Superintendent's plan according to the standards of Policy 6010, which are found in Standards Section B in Appendix A. In the Board's deliberations, new scenarios using these considerations may be reviewed, assessed, and considered. It is unlikely that one plan can fully satisfy all considerations.

On January 11, 2018, the Board of Education passed a charter to study the attendance area adjustments process. From March 2018 – June 2018, three members of the Board met with School Planning staff to discuss potential process improvements, including consideration of changes to Policy 6010. The charter set the following objectives for the Board members:

- 1. Review current redistricting process defined under Policy 6010 School Attendance Areas.
- 2. Review polygon creation process.
- 3. Identify implementation timelines of committee recommendations.
- 4. Review recommendations with legal counsel prior to Board presentation.

The Board's Redistricting Committee may be making recommendations to the full Board over the next few weeks and any recommendations and direction given to the Superintendent will be addressed as necessary.



Planning Considerations

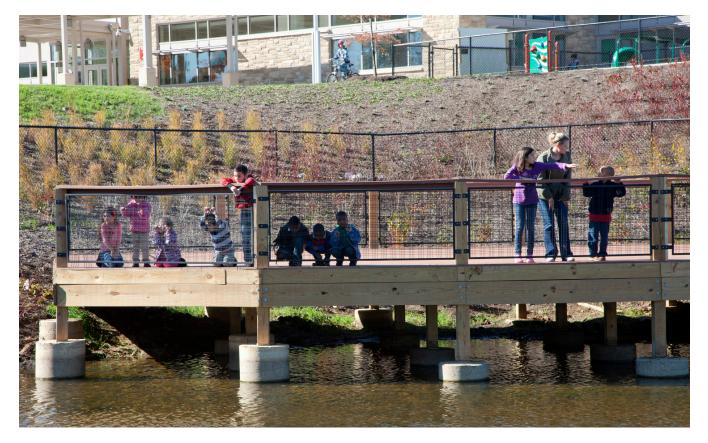
Alignment with Strategic Call to Action

The Strategic Call to Action, a vision built on equity, is fueled by the belief that every student possesses the skills, knowledge and confidence to lead a successful life and positively influence the larger community. The anticipation of growth trends and planning for adequate permanent or temporary space is needed to serve student needs. When attendance area changes are necessary, a student-centered transition process is provided to welcome the students to their new school. These efforts are made to ensure every student achieves academic excellence in an inspiring, engaging, and supportive environment.



Tour of construction at Waverly ES.

Crucial decisions about budget and attendance areas must be the result of an open process that includes many stakeholders. Board decisions need to be informed by both the technical guidance of staff, and the concerns and desires of families and the community. For this reason, the Office of School Planning maintains an extensive web presence and supports many meetings of committees, parent-teacher-associations (PTAs), and other community groups. It is also necessary that the School Planning serves as a liaison to various county and state agencies to communicate agency direction. These efforts ensure that families and the community are engaged and supported as partners in education.



Land Use

The Howard County General Plan, PlanHoward2030 guides development. This Plan sets forth priorities for growth and redevelopment for the County. It was adopted by the County Council in July 2012, and took affect in October 2013. The General Plan is further implemented by zoning. Zoning tells property owners two things 1) what is permissible to build; and 2) the rules to place buildings on the property.

The General Plan included the adoption of a designated places map. Figure 2.8 depicts the Plan Howard Designated Places map. Most future development, and anticipated school needs, are planned where the map shows "Growth and Revitalization" areas in pink. Generally these are in the eastern part of the county and Columbia's Village Centers. Projected enrollment growth provided in this Feasibility Study is associated with the future development.

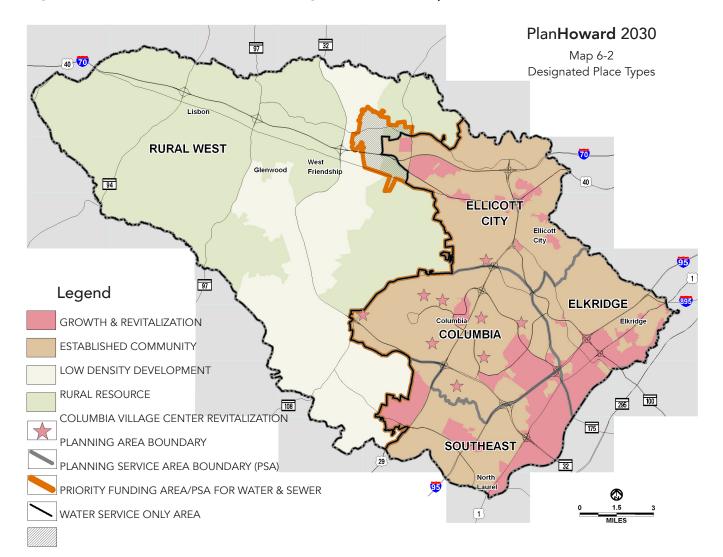


Figure 2.8 Plan Howard 2030 Designated Places Map

Land Use

The Department of Planning and Zoning provides the Office of School Planning with the number of existing and projected housing units in the county. Future housing is calculated using a software tool that simulates the residential build-out of the County's remaining undeveloped, residentially-zoned properties under real-world conditions. Constraints imposed by current zoning of properties, the logistics of residential construction, and the growth limits of the County's General Plan are included in the housing projection. The output from this simulation informs the enrollment projection.

The FY 2019-2028 Long-Range Master Plan includes funding requested for new construction of four elementary schools, one high school, the renovation/addition to a high school, and strategically placed middle school additions. The timing of residential development depends upon actual land development applications, which can change. Projections are adjusted yearly to account for phasing of the new residential development.

Figure 2.9 Residential Development



Oxford Square construction.

Verde apartments at Howard Square.



Maple Lawn section shown in 2013 (left) and 2015 (right).

HCPSS Facilities and Land Bank

The HCPSS maintains well over seven million square feet of school facilities and other buildings in service of delivering the educational program and for use by the community. This document examines utilization of the 74 elementary, middle, and high schools, and anticipates future schools.

The HCPSS maintains sites for future school construction, commonly known as the "Land Bank." Some properties are held by other parties and designated on the final

HCPSS School Facilities

77 schools

- 42 elementary schools
- 20 middle schools
- 12 high schools
- 3 education centers

development plan as "school open space" for the future use by the Board for school construction. When determined that they are needed, the Board may request to purchase these properties. Most planned school sites result from agreements made during Columbia's planning and development. Howard County has aided the school system in the past through exchanges of county land where needed. Opportunities for additions to the land bank in eastern Howard County are under consideration. The HCPSS is working with Howard County Government to acquire land. Sites in Turf Valley and Mission Road will be added to the HCPSS Land Bank, once purchase is finalized, through the County's process. Figure 2.9 shows the inventory of school sites as presented in the annual capital budget:

Table 2.9 Land Bank

Owned Sites	Acreage	Location	Date Acquired	Cost
Sunny Spring Drive	10	Sunny Spring Drive	1974	\$1.00
Future MS Site	41	2865 Marriottsville Road	2007	\$1,700,000
Faulkner Ridge Center	9.01	Marble Faun Lane	1968	\$1.00

Table 2.10Land Designated as School Open Space Property

Land Designated as School Open Space Property	Acreage	Location
Clary's Forest	10	Little Patuxent near Bright Passage
Dickinson	20	Sweet Hours Way east of Eden Brook Drive
Huntington	11	Vollmerhausen Road east of Murray Hill Road

Howard County Public School System

Feasibility Study: An Annual Review of Long-Term Capital Planning and Attendance Area Adjustment Options

Section 3

Needs and Strategies

Prior to examining future school boundary adjustments, it is necessary to review the implications of the new projection and identify needs and potential strategies. When school capacity utilization is outside of the acceptable target utilization range per Board Policy (90–110 percent), school boundary adjustments may be considered.

June 2018

Need:

The region is projected to remain within target utilization, however, Cradlerock ES and Talbott Springs ES exceed target utilization in school year 2018-19. Cradlerock ES is projected to exceed target utilization by between 2% and 7% over the next five years.

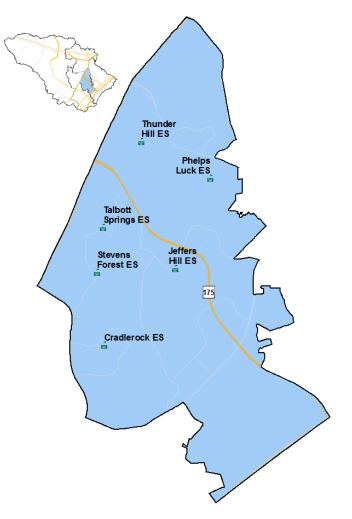
Strategy:

With little to no housing growth in this region, capacity utilization is projected to stay within target utilization. Capital projects at Phelps Luck ES, Thunder Hill ES, and Stevens Forest ES have increased capacity. Projections indicate Talbott Springs ES will continue to exceed target utilization. A capital project yielding an increased capacity is planned for this school, potentially opening in 2022. This project should not be delayed. Depending on the capacity increase at Talbott Springs ES and regional program locations, attendance area adjustments should be explored in conjunction with completion of this project. Relocatable classrooms already on site will provide needed capacity in the interim.

Columbia East Region

Figure 3.1

Elementary schools of the Columbia East Region



Columbia East			2018			2023
	Projected		Projected	Projected		Projected
	Рор.	Capacity	Utilization	Рор.	Capacity	Utilization
Cradlerock ES	464	398	116.6	444	398	111.6
Jeffers Hill ES	428	421	101.7	400	421	95.0
Phelps Luck ES	528	597	88.4	578	597	96.8
Stevens Forest ES	388	399	97.2	405	399	101.5
Talbott Springs ES	458	377	121.5	464	540	85.9
Thunder Hill ES	535	509	105.1	476	509	93.5
(Region ES Totals)	2,801	2,701	103.7	2,767	2,864	96.6

Table 3.1 Projected utilization (with proposed capacity projects, excluding boundary adjustments)

Need:

With the housing growth that is expected in Downtown Columbia, enrollment is expected to increase, with three schools exceeding target utilization by 2023. Bryant Woods ES is projected to exceed target utilization by 2020.

Strategy:

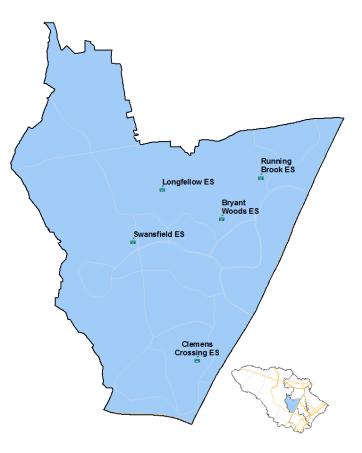
With recent investment in capacity within the Columbia West Region, at Running Brook ES, Longfellow ES and Swansfield ES, all schools are projected to be within target utilization in school year 2018-19.

Enrollment at Running Brook ES is projected to grow as Columbia Town Center continues to develop. Several site options exist in this region and are being considered for future ES #45. Updated projections show that the completion of a new elementary school in this area could be deferred from 2026-27 to 2030-31. Placement of relocatable classrooms, attendance area adjustments, regional program placement or Prekindergarten and primary/intermediate grade configuration using multiple buildings should be considered as strategies moving forward. As required by the Downtown Columbia Plan, when 10 percent of the residential units are occupied, HCPSS will evaluate student yield. It is anticipated that criteria will be met by the summer of 2018; therefore an evaluation of student yield could occur and be included in the 2019 Feasibility Study.

Columbia West Region

Figure 3.2

Elementary schools of the Columbia West Region



Columbia West			2018			2023
	Projected		Projected	Projected		Projected
	Pop.	Capacity	Utilization	Рор.	Capacity	Utilization
Bryant Woods ES	390	361	108.0	430	361	119.1
Clemens Crossing ES	470	521	90.2	680	521	130.5
Longfellow ES	402	512	78.5	414	512	80.9
Running Brook ES	499	515	96.9	673	515	130.7
Swansfield ES	606	694	87.3	573	694	82.6
(Region ES Totals)	2,367	2,603	90.9	2,770	2,603	106.4

Table 3.2 Projected utilization (with proposed capacity projects, excluding boundary adjustments)

Need:

The region is projected to have adequate capacity until 2023. Hanover Hills ES and Bellows Spring ES are projected to be above target utilization in 2022 and 2023, respectively.

Strategy:

Recent investments in this region that include Ducketts Lane ES, Hanover Hills ES, as well as additions at Deep Run ES and Bellows Spring ES, have been integral to closing the capacity gap in this rapidly growing region.

With the opening of Hanover Hills ES, all elementary schools are projected to be within target utilization until 2022.

Future relief is intended for Hanover Hills ES with the planned construction of New ES #43, which is recommended to open at the Mission Road site in school year 2024-25. Projections for Bellows Spring ES, Elkridge ES, Veterans ES and Deep Run ES will be closely monitored.

Northeastern Region

Figure 3.3

Elementary schools of the Northeastern Region

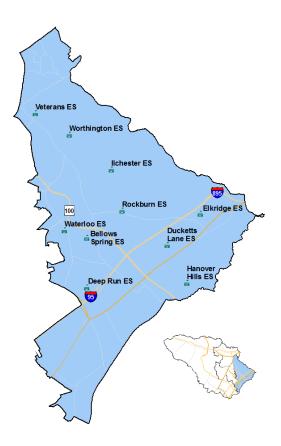


Table 3.3	Projected util	ization (with p	proposed o	capacity p	orojects,	excluding	boundary	adjustments)
-----------	----------------	-----------------	------------	------------	-----------	-----------	----------	--------------

Northeastern			2018			2023
	Projected		Projected	Projected		Projected
	Рор.	Capacity	Utilization	Рор.	Capacity	Utilization
Bellows Spring ES	671	751	89.3	855	751	113.8
Deep Run ES	677	750	90.3	797	750	106.3
Ducketts Lane ES	673	694	97.0	639	694	92.1
Elkridge ES	857	760	112.8	794	760	104.5
llchester ES	578	584	99.0	559	584	95.7
Hanover Hills ES	649	810	80.1	1,071	810	132.2
Rockburn ES	553	609	90.8	610	609	100.2
Veterans ES	885	799	110.8	848	799	106.1
Waterloo ES	582	663	87.8	563	663	84.9
Worthington ES	484	515	94.0	469	515	91.1
(Region ES Totals)	6,609	6,935	95.3	7,205	6,935	103.9

Northern Region

Elementary Schools

Need:

The region is projected to exceed 110 percent capacity utilization by 2023.

Strategy:

Approved attendance area adjustments for the school year 2018-19 will provide relief for Manor Woods ES by shifting some future growth to the Western Region and Waverly ES. Added capacity at Waverly ES provided additional relief to the region.

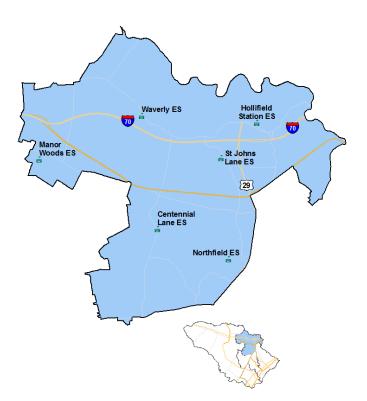
As other Northern region schools are considered for renovation, such as Hollifield Station ES or St. John's Lane ES, in future capital budgets and land is acquired, consideration should be given to additional capacity in the region.

Updated projections show that occupancy for New ES #44 should be advanced from 2029-30 to 2026-27. Acquisition of a site in Turf Valley for this school is anticipated.

Capacity is available in adjacent schools in the Western Region and schools in the Northern region could access that capacity. State funding eligibility for new capacity is based on adjacent schools, regardless of the region, and may be affected if available seats at nearby schools are not more fully utilized.

Figure 3.4

Elementary schools of the Northern Region



Northern			2018			2023
	Projected		Projected	Projected		Projected
	Pop.	Capacity	Utilization	Рор.	Capacity	Utilization
Centennial Lane ES	755	647	116.7	745	647	115.1
Hollifield Station ES	826	732	112.8	833	732	113.8
Manor Woods ES	635	681	93.2	748	681	109.8
Northfield ES	727	700	103.9	771	700	110.1
St Johns Lane ES	694	612	113.4	748	612	122.2
Waverly ES	802	788	101.8	904	788	114.7
(Region ES Totals)	4,439	4,160	106.7	4,749	4,160	114.2

Table 3.4 Projected utilization (with proposed capacity projects, excluding boundary adjustments)

Need:

Future enrollment growth is projected.

Strategy:

While this region is projected to stay within target utilization through 2023, locating New ES #43 in this area could accommodate future enrollment growth in the Southeastern and Northeastern Regions, along the Route 1 Corridor, and at Fulton ES. Plan for New ES #43 in 2024-25. Attendance area adjustments to open New ES #43 can also be used to balance utilization in the region. Schools that are outside of target utilization in the Northeastern and Western regions will benefit from the location of New ES #43.

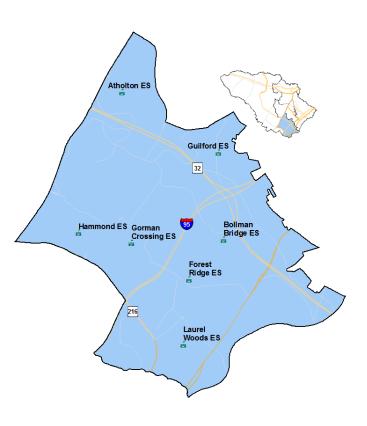
Recent capital investments at Laurel Woods ES, Bollman Bridge ES and Gorman Crossing ES, as well as reclaimed community rooms at Forest Ridge ES and Gorman Crossing ES, have provided needed seats to help keep the region within target utilization through 2023.

Monitor enrollment projections at Atholton ES, Forest Ridge ES, Gorman Crossing ES and Hammond ES.

Southeastern Region

Figure 3.5

Elementary schools of the Southeastern Region



Southeastern			2018			2023
	Projected		Projected	Projected		Projected
	Pop.	Capacity	Utilization	Рор.	Capacity	Utilization
Atholton ES	456	424	107.5	479	424	113.0
Bollman Bridge ES	646	666	97.0	680	666	102.1
Forest Ridge ES	685	713	96.1	745	713	104.5
Gorman Crossing ES	794	735	108.0	786	735	106.9
Guilford ES	399	465	85.8	365	465	78.5
Hammond ES	642	653	98.3	698	653	106.9
Laurel Woods ES	588	640	91.9	544	640	85.0
(Region ES Totals)	4,210	4,296	98.0	4,297	4,296	100.0

Table 3.5 Projected utilization (with proposed capacity projects, excluding boundary adjustments)

Elementary Schools

Need:

Capacity is available, which could be used to relieve schools in this and other regions. Fulton ES and Pointers Run ES are over 110 percent capacity utilization and projections exhibit growth into the foreseeable future.

Strategy:

Approved attendance area adjustments for the school year 2018-19 reassigned students from overcrowded schools in the Northern region to some seats in the Western region. Boundary line adjustments to relieve Fulton ES using Western capacity were reviewed, but not approved. Construction of New ES #43 in the adjacent Southeastern Region may present an opportunity to utilize available capacity in that region to relieve Fulton ES.

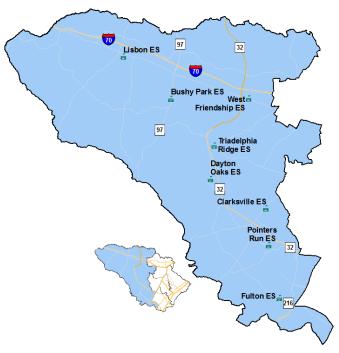
Future boundary line adjustments to open New ES #44 in school year 2026-27 in the Northern Region may provide an opportunity to balance utilization, and may impact West Friendship ES, Triadelphia Ridge ES and Bushy Park ES.

Regional PreKindergarten and Special Education programs have been placed at Clarksville ES, Dayton Oaks ES, and Bushy Park ES, providing relief to crowded schools. Continue to evaluate ways to utilize available capacity at these schools. Schools projected to be over target utilization by 2023 will have relocatable classrooms in place to temporarily address the overcrowding.

Western Region

Figure 3.6

Elementary schools of the Western Region



Western			2018			2023
	Projected		Projected	Projected		Projected
	Рор.	Capacity	Utilization	Рор.	Capacity	Utilization
Bushy Park ES	584	744	78.5	528	744	71.0
Clarksville ES	419	543	77.2	380	543	70.0
Dayton Oaks ES	604	675	89.5	584	675	86.5
Fulton ES	949	826	114.9	1,132	826	137.0
Lisbon ES	449	527	85.2	532	527	100.9
Pointers Run ES	834	744	112.1	919	744	123.5
Triadelphia Ridge ES	570	581	98.1	636	581	109.5
West Friendship ES	394	414	95.2	466	414	112.6
(Region ES Totals)	4,803	5,054	95.0	5,177	5,054	102.4

Table 3.6 Projected utilization (with proposed capacity projects, excluding boundary adjustments)

Needs and Strategies

Columbia East Region

Need:

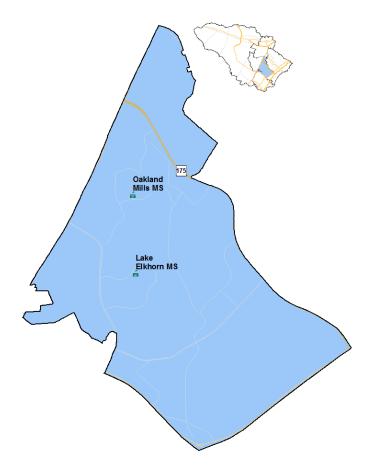
Some capacity exists in this region.

Strategy:

Long range projections indicate stable enrollment. Monitor long-term needs.

Figure 3.7

Middle schools of the Columbia East Region



Columbia East			2018			2023
	Projected		Projected	Projected		Projected
	Рор.	Capacity	Utilization	Pop.	Capacity	Utilization
Lake Elkhorn MS	557	643	86.6	564	643	87.7
Oakland Mills MS	507	506	100.2	515	506	101.8
(Region MS Totals)	1,064	1,149	92.6	1,079	1,149	93.9

Table 3.7 Projected utilization (with proposed capacity projects, excluding boundary adjustments)

Columbia West Region

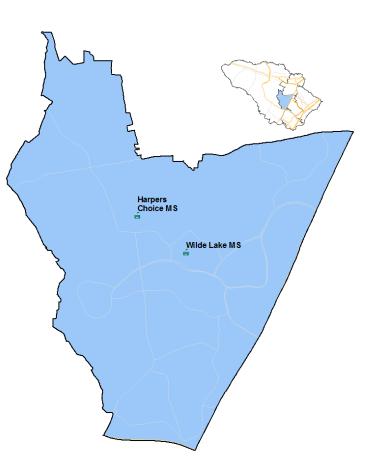
Middle schools of the Columbia West Region

Need:

Some capacity exists in the region.

Strategy:

With the addition of 293 new seats in 2017, this region will remain within target utilization for the foreseeable future based on the current projection. Attendance area adjustments approved November 2017 for the school year 2018-19 utilized available capacity in the new Wilde Lake MS to provide relief for Harpers Choice MS. Both schools are projected to be within target utilization through 2023. Monitor projections for new development in the Columbia Town Center. As required by the Downtown Columbia Plan, when 10 percent of the residential units are occupied, HCPSS will evaluate student yield. It is anticipated that criteria will be met by the summer of 2018; therefore an evaluation of student yield could occur and be included in the 2019 Feasibility Study.



Columbia West			2018			2023
	Projected		Projected	Projected		Projected
	Рор.	Capacity	Utilization	Рор.	Capacity	Utilization
Harpers Choice MS	546	506	107.9	522	506	103.2
Wilde Lake MS	628	760	82.6	749	760	98.6
(Region MS Totals)	1,174	1,266	92.7	1,271	1,266	100.4

Table 3.8 Projected utilization (with proposed capacity projects, excluding boundary adjustments)

Figure 3.8

Northeastern Region

Figure 3.9

Middle schools of the Northeastern Region

Enrollment growth continues in the region. Ellicott Mills MS, Thomas Viaduct MS and Bonnie Branch MS are projected to be outside of target utilization by 2023.

Strategy:

Need:

Ellicott Mills MS is over 120 percent and is projected to remain over 120 percent through 2023. The FY 2019 Capital Improvement Plan shows a 156-seat addition for Ellicott Mills MS in 2024. Occupancy of this project should be advanced to school year 2023-24.

Thomas Viaduct MS is projected to exceed target utilization by 2019. Adequate relief from future growth was not attained by recent attendance area adjustments. Evaluate for placement of relocatable classrooms in the summer of 2019.

Monitor projections for Bonnie Branch MS and Mayfield Woods MS. Consider future placement of relocatable classrooms.

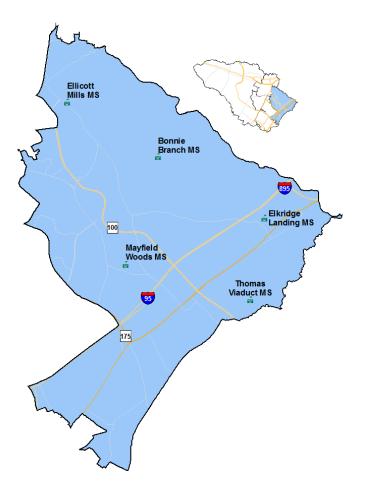


Table 2.0 Destants destrict of the start of	• • (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		In a second seco
Table 3.9 Projected utilization (with proposed capaci	tv projects, excluding	boundary adjustments)
······		., []	

Northeastern			2018			2023
	Projected		Projected	Projected		Projected
	Pop.	Capacity	Utilization	Рор.	Capacity	Utilization
Bonnie Branch MS	777	701	110.8	805	701	114.8
Elkridge Landing MS	715	779	91.8	733	779	94.1
Ellicott Mills MS	883	701	126.0	844	857	98.5
Mayfield Woods MS	780	798	97.7	821	798	102.9
Thomas Viaduct MS	707	701	100.9	863	701	123.1
(Region MS Totals)	3,862	3,680	104.9	4,066	3,680	110.5

Northern Region

Need:

Projections show enrollment for the region nearing the top of target utilization.

Strategy:

Dunloggin MS continues to show projected enrollment growth above target utilization through 2023. A renovation/ addition at Dunloggin MS is planned for 2024.

Continue to monitor projections for Patapsco MS. Near term projections show signs that the enrollment may decline. Consider relocatable placement if future enrollment projections support the need.

The land bank site on Marriottsville Road can be used for a future middle school when projections in this area show sufficient need.



Middle schools of the Northern Region

Northern			2018			2023
	Projected		Projected	Projected		Projected
	Pop.	Capacity	Utilization	Рор.	Capacity	Utilization
Burleigh Manor MS	804	779	103.2	757	779	97.2
Dunloggin MS	639	565	113.1	670	565	118.6
Patapsco MS	739	643	114.9	716	643	111.4
(Region MS Totals)	2,182	1,987	109.8	2,143	1,987	107.9

Table 3.10 Projected utilization (with proposed capacity projects, excluding boundary adjustments)

Figure 3.10

Southeastern Region

Need:

Enrollment growth is projected at all three schools in this region. Murray Hill MS is projected to exceed target utilization by 2019.

Strategy:

A recent capital project at Patuxent Valley MS added capacity, keeping this region in target through school year 2023-24. Planned attendance area adjustments for the opening of New ES #43 in this region could provide an opportunity to relieve Murray Hill MS using available capacity at adjacent Patuxent Valley MS. Continue to monitor projections for Murray Hill MS and Hammond MS in light of projected residential development.



Middle schools of the Southeastern Region

Southeastern			2018			2023
	Projected		Projected	Projected		Projected
	Pop.	Capacity	Utilization	Рор.	Capacity	Utilization
Hammond MS	563	604	93.2	633	604	104.8
Murray Hill MS	697	662	105.3	774	662	116.9
Patuxent Valley MS	652	760	85.8	656	760	86.3
(Region MS Totals)	1,912	2,026	94.4	2,063	2,026	101.8

Table 3.11 Projected utilization (with	proposed ca	pacity projects,	excluding bound	arv adjustments)

Figure 3.11

Western Region

Need:

This region will remain in target utilization for the foreseeable future. Folly Quarter MS and Glenwood MS are showing stable projections within target utilization.

Strategy:

Projections for this region indicate stable enrollment, with some enrollment growth projected at Lime Kiln MS. Attendance area adjustments approved in November 2017 will provide relief for Lime Kiln MS to accommodate projected enrollment growth. The impact of recent attendance area adjustments and new construction on projections will be closely monitored.

Figure 3.12 Middle schools of the Western Region

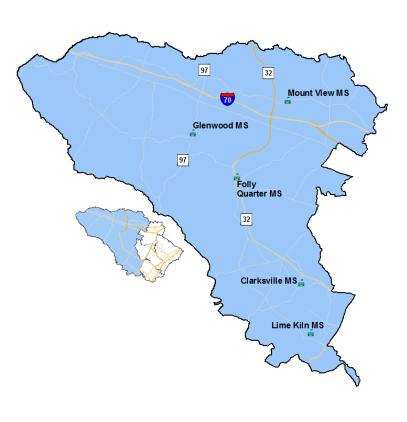


Table 3.12 Projected utilization (with proposed capacity projects, excluding boundary adjustments)
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Western			2018			2023
	Projected		Projected	Projected		Projected
	Рор.	Capacity	Utilization	Рор.	Capacity	Utilization
Clarksville MS	668	643	103.9	633	643	98.4
Folly Quarter MS	647	662	97.7	651	662	98.3
Glenwood MS	480	545	88.1	487	545	89.4
Lime Kiln MS	626	701	89.3	701	701	100.0
Mount View MS	834	798	104.5	821	798	102.9
(Region MS Totals)	3,255	3,349	97.2	3,293	3,349	98.3

Columbia East Region

Figure 3.13

High school of the Columbia East Region

This region is projected to be within target utilization.

Strategy:

Need:

Oakland Mills HS, with the recent addition of the JumpStart program, has a higher projection than in previous years. The impacts of this program will be monitored, and adjustments to program offerings recommended if needed. This region could be impacted by attendance area adjustments associated with New HS #13 in 2023.

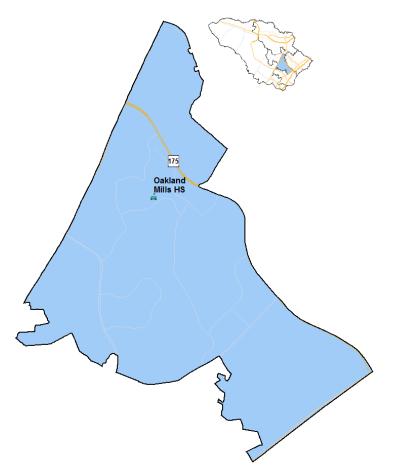


Table 3.13 Projected	utilization (with	proposed of	capacity projects	. excludina	boundary adjustments)
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Columbia East			2018			2023
	Projected		Projected	Projected		Projected
	Pop.	Capacity	Utilization	Pop.	Capacity	Utilization
Oakland Mills HS	1,217	1,400	86.9	1,379	1,400	98.5

Columbia West Region

Need:

This region is projected to be in target utilization. Wilde Lake HS is projected to be below 100 percent utilization through school year 2023-24.

Strategy:

New housing planned for Downtown Columbia will be monitored for projected student yield. This region may be impacted by attendance area adjustments associated with the opening of New HS #13 in school year 2023-24, depending on the scope of the boundary adjustment. As required by the Downtown Columbia Plan, when 10 percent of the residential units are occupied, HCPSS will evaluate student yield. It is anticipated that criteria will be met by the summer of 2018; therefore an evaluation of student yield could occur and be included in the 2019 Feasibility Study.

Figure 3.14

High school of the Columbia West Region



Table 3.14 Projected utilization (wi	th proposed	capacity projects,	, excluding boundary	adjustments)
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Columbia West			2018			2023
	Projected		Projected	Projected		Projected
	Pop.	Capacity	Utilization	Рор.	Capacity	Utilization
Wilde Lake HS	1,350	1,424	94.8	1,399	1,424	98.2

Northeastern Region

High Schools

Need:

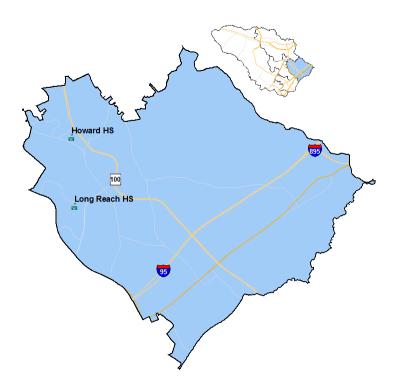
Significant enrollment growth is projected. Available capacity in this region is not sufficient to accommodate current and projected enrollment.

Strategy:

For school year 2018-19, Howard HS is projected to continue to exceed target utilization. By school year 2019-20, Long Reach HS is projected exceed target utilization. Both schools are projected to experience some relief from the JumpStart early college program. Capacity at Howard HS has been supplemented with 15 relocatable classrooms. For school year 2019-20, Long Reach HS will have seven relocatable classrooms.

New HS #13 will provide relief to this region beginning in school year 2023-24. It is recommended that this project remain on schedule and not be delayed.

School Planning staff will continue to coordinate with the Department of Planning and Zoning regarding Route 1 Corridor Plan Development process. Figure 3.15 High schools of the Northeastern Region



Northeastern			2018			2023
	Projected		Projected	Projected		Projected
	Pop.	Capacity	Utilization	Pop.	Capacity	Utilization
Howard HS	1,908	1,420	134.4	2,075	1,420	146.1
Long Reach HS	1,586	1,488	106.6	2,133	1,488	143.3
(Region HS Totals)	3,494	2,908	120.2	4,208	2,908	144.7

Table 3.15 Projected utilization (with proposed capacity projects, excluding boundary adjustments)

Northern Region

Need:

While capacity exists at Marriotts Ridge HS, the region is projected to exceed target utilization in school year 2020-21.

Figure 3.16 High schools of the Northern Region

Strategy:

Centennial HS and Mt Hebron HS are projected to exceed target utilization in school year 2019-20 and both schools are projected to experience continued enrollment growth. Available capacity at Marriotts Ridge HS is not sufficient to relieve the other schools in this region. Four additional relocatables are being placed in this region during the summer of 2018 to provide additional temporary classroom space. Attendance area adjustments for New HS #13 in school year 2023-24 may include an opportunity to provide relief in this region.



Northern			2018			2023
	Projected		Projected	Projected		Projected
	Рор.	Capacity	Utilization	Рор.	Capacity	Utilization
Centennial HS	1,664	1,360	122.4	1,772	1,360	130.3
Marriotts Ridge HS	1,376	1,615	85.2	1,499	1,516	98.9
Mt Hebron HS	1,590	1,400	113.6	1,679	1,400	119.9
(Region HS Totals)	4,630	4,354	106.3	4,950	4,354	113.7

Table 3.16 Projected utilization (with proposed capacity projects, excluding boundary adjustments)

Southeastern Region

Need:

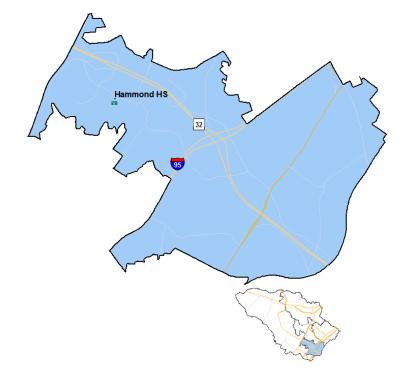
The Southeastern region exceeds 110 percent capacity utilization in 2018 with enrollment growth projected.

Figure 3.17 High schools of the Southeastern Region

Strategy:

Hammond HS is projected to exceed target utilization in school year 2018-19. An addition is proposed to open with the school's planned renovation in school year 2023-24. Due to the location of the New HS #13 on Mission Road, attendance area adjustments will affect this region in school year 2023-24.

As with the Northeastern region, School Planning staff will continue to coordinate with the Department of Planning and Zoning regarding Route 1 Corridor Plan Development Process.



Southeastern			2018			2023
	Projected		Projected	Projected		Projected
	Pop.	Capacity	Utilization	Pop.	Capacity	Utilization
Hammond HS	1,356	1,220	111.1	1,585	1,420	111.6

Western Region

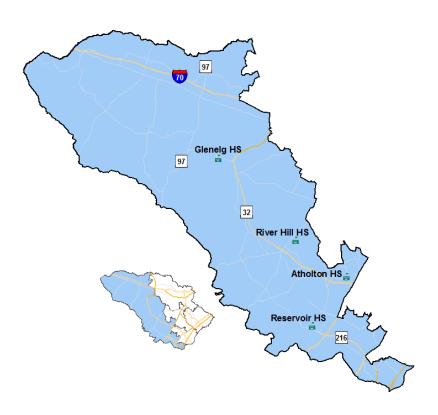
Need:

While some capacity exists in this region, two of the four high schools are expected to reach target utilization by school year 2023-24.

Strategy:

In previous projections, River Hill HS had more available capacity, however with implementation of JumpStart early college program, the school is projected to be more fully utilized. Reservoir HS is projected to exceed target utilization by school year 2020-21 and will be monitored. A recent capital project at Atholton HS increased capacity, however projections will be monitored because the school is projected to exceed target utilization in school year 2023-24. Glenelg HS remains underutilized and could provide relief to other schools in the region through attendance area adjustments.

Figure 3.18 High schools of the Western Region



Western			2018			2023
	Projected		Projected	Projected		Projected
	Pop.	Capacity	Utilization	Рор.	Capacity	Utilization
Atholton HS	1,516	1,460	103.8	1,654	1,460	113.3
Glenelg HS	1,197	1,420	84.3	1,155	1,420	81.3
Reservoir HS	1,595	1,551	102.8	1,836	1,551	118.4
River Hill HS	1,411	1,488	94.8	1,454	1,466	99.2
(Region HS Totals)	5,719	5,919	96.6	6,099	5,919	103.0

Table 3.18 Projected utilization (with proposed capacity projects, excluding boundary adjustments)

Howard County Public School System

Feasibility Study: An Annual Review of Long-Term Capital Planning and Attendance Area Adjustment Options

Section 4

Foreseeable Attendance Area Adjustments

This report does not recommend any adjustments to attendance areas for the 2019-20 school year.



Foreseeable Attendance Area Adjustments Summary

Adjustments School Attendance Areas

This report is not recommending initiation of an attendance area adjustment process in 2018-19 for the 2019-20 school year. The next boundary line adjustments are anticipated for 2023-24 with the opening of High School #13 and the addition of capacity to Hammond High School.

According to projections used in this document, 26 out of 74 schools will exceed 110% utilization by 2022. Each of these schools has been reviewed and a strategy recommended to address the overutilization. In some cases where target utilization is exceeded farther in the future, projections are being monitored for consistency to ensure action is justified. In other cases, a capital project is planned to increase capacity of the over-utilized or a nearby school. Relocatable classrooms will be placed to add capacity until a solution can be planned and budgeted. Adjusting school attendance areas will be necessary with future capital projects to relieve some of the over-utilized regions.

Following the Board of Education's approval of the Mission Road site for High School #13, HCPSS is working in cooperation with Howard County government to acquire the site and plan for opening this school in 2023-24. Forming the attendance area for this school will have impacts to neighborhoods that currently are assigned to Long Reach HS, Howard HS, Hammond HS, and Oakland Mills HS. Depending on decisions made regarding this area, there may be opportunities to provide relief to over-utilized schools in the Northern region. More detail will be provided in future reports as planning continues. In the interim, additional relocatable classrooms are being placed at high schools in these areas. Additionally, some relief at Howard HS and Long Reach HS has been realized through the JumpStart early college program, utilizing available capacity at Oakland Mills HS and River Hill HS.

In some regions, new solutions to provide relief to over-utilized schools are being explored. In the Columbia West region, implementing a primary/intermediate school configuration may be an opportunity to utilize capacity in schools adjacent to those with projected over-utilization, without reassigning students outside of their neighborhood. Regional program locations will be reviewed annually to ensure placement where need matches available space. Educational programs such as JumpStart should also be monitored and evaluated for potential expansion to allow students to voluntarily attend a school with available capacity to participate in special programs.

In response to feedback received throughout the 2017 Attendance Area Adjustment process, many aspects of the School Planning and Attendance Area Adjustment procedures are being reviewed. The Board of Education formed a subcommittee to review and make recommendations to the full Board regarding attendance area adjustments and related processes. Any changes to policy or procedure resulting from this process should be implemented prior to the initiation of future Attendance Area Adjustments. School Planning staff is using feedback from the 2017 process to plan modifications to procedures and tools used for enrollment projection and scenario testing. Utilizing state of the art software and consultation from Davis Demographics, Office of School Planning is implementing new tools and workflows within these processes. Set-up and testing will continue through the summer and fall of 2018.

Howard County Public School System

Feasibility Study: An Annual Review of Long-Term Capital Planning and Attendance Area Adjustment Options

Section 5

Pre- and Post-Measure Charts

The effects of some scenarios tested for this report on capacity utilization are depicted in tabular form on the following pages. The tables are presented for each organizational level (elementary, middle, and high) using a pre-/post-measures format. The pre-measures format shows the effect of projected enrollment without any attendance area adjustments. The pre-measures format also shows FY 2019 capital projects as approved by the Board in March 2018.

The post-measures format shows the impact of projected enrollment with some capital plans discussed in this document. The post-measures format includes capital projects recommended in this document for the FY 2020 Capital Budget. If these projects are not approved, other plans must be developed.

June 2017

Pre- Measures Chart

Pre-Measures

ELEMENTARY SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Board of Education's Approved FY 2019 Capital Budget Projects - Not Test for APFO Chart reflects May 2018 Projections, Board of Education's FY 2019 approved capacities, and no redistricting.

Chart reflects May 2018	8 Projectio			cation's							0000		2022.24		04.05		E 00		00.07		07.00		00.00		00.00
Osharahia Esst	0040		acity			019-20		20-21	-	21-22	2022	-	2023-24		24-25		5-26		26-27		27-28		28-29		29-30
Columbia - East	2019		2021	2022	Proj	% Util.	Proj	% Util.	Proj	% Util.		b Util.	Proj % Util.	Proj	% Util.		% Util.	Proj	% Util.	Proj	% Util.		% Util.	Proj	% Util.
Cradlerock ES	398	398	398	398	458	115.1	449	112.8	445	111.8		09.3	444 111.6	450	113.1	448	112.6	455	114.3	464	116.6	471	118.3	478	120.1
Jeffers Hill ES	421	421	421	421	426	101.2	415	98.6	413	98.1		93.3	400 95.0	396	94.1	399	94.8	402	95.5	411	97.6	416	98.8	422	100.2
Phelps Luck ES	597	597	597	597	528	88.4	536	89.8	551	92.3		93.0	578 96.8	577	96.6	596	99.8	602	100.8	609	102.0	615	103.0	623	104.4
Stevens Forest ES	399	399	399	399	395	99.0	406	101.8	400	100.3		01.0	405 101.5	410	102.8	407	102.0	414	103.8	420	105.3	424	106.3	428	107.3
Talbott Springs ES	R 377	377	540	540	459	121.8	472	125.2	460	85.2		85.7	464 85.9	453	83.9	458	84.8	461	85.4	475	88.0	481	89.1	488	90.4
Thunder Hill ES	509	509	509	509	518	101.8	507	99.6	486	95.5		95.1	476 <u>93.5</u>	474	93.1	474	93.1	472	92.7	490	96.3	496	97.4	505	99.2
Region Totals	2701	2701	2864	2864	2784	103.1	2785	103.1	2755	96.2	2733	95.4	2767 96.6	2760	96.4	2782	97.1	2806	98.0	2869	100.2	2903	101.4	2944	102.8
Columbia - West																									
Bryant Woods ES	361	361	361	361	402	111.4	408	113.0	418	115.8	423 1	17.2	430 119.1	439	121.6	441	122.2	446	123.5	452	125.2	455	126.0	454	125.8
Clemens Crossing ES	521	521	521	521	508	97.5	543	104.2	593	113.8	638 1	22.5	680 130.5	713	136.9	731	140.3	765	146.8	783	150.3	803	154.1	815	156.4
Longfellow ES	512	512	512	512	400	78.1	401	78.3	403	78.7	417 8	81.4	414 80.9	425	83.0	431	84.2	437	85.4	445	86.9	448	87.5	453	88.5
New ES #44	NS 0	0	0	0																					
Running Brook ES	515	515	515	515	528	102.5	559	108.5	600	116.5	646 1	25.4	673 130.7	708	137.5	742	144.1	785	152.4	841	163.3	890	172.8	937	181.9
Swansfield ES	694	694	694	694	591	85.2	590	85.0	576	83.0		83.4	573 82.6	574	82.7	580	83.6	584	84.1	595	85.7	601	86.6	607	87.5
Region Totals	2603	2603	2603	2603	2429	93.3	2501	96.1	2590	99.5	2703 1	03.8	2770 106.4	2859	109.8	2925	112.4	3017	115.9	3116	91.9	3197	94.3	3266	96.3
Northeastern																									1
Bellows Spring ES	751	751	751	751	678	90.3	737	98.1	784	104.4	825 1	09.9	855 113.8	879	117.0	896	119.3	887	118.1	864	115.0	844	112.4	817	108.8
Deep Run ES	750	750	750	750	686	91.5	706	94.1	746	99.5		02.9	797 106.3	816	108.8	837	111.6	842	112.3	860	114.7	872	116.3	886	118.1
Ducketts Lane ES	694	694	694	694	678	97.7	664	95.7	662	95.4		93.8	639 92.1	643	92.7	634	91.4	658	94.8	677	97.6	684	98.6	684	98.6
Elkridge ES	760	760	760	760	840	110.5	842	110.8	828	108.9		06.8	794 104.5	799	105.1	826	108.7	869	114.3	923	121.4	971	127.8	986	129.7
	NS 810	810	810	810	689	85.1	842 782	96.5	828 879	108.9		20.9	1071 132.2	1105	136.4	826 1149	141.9	1185	14.3	923 1219	121.4	1219	127.8	986 1245	129.7
lichester ES	584	584	584	584	555	95.0	782 536	96.5 91.8	523	89.6		88.0	559 95.7	610	104.5	635	141.9	652	140.3	689	150.5	694	150.5	678	153.7
		609				95.0 89.0																			
Rockburn ES	609		609	609	542		560	92.0	570	93.6		95.9	610 100.2	657	107.9	706	115.9	714	117.2	730	119.9	733	120.4	735	120.7
Veterans ES	799	799	799	799	870	108.9	853	106.8	851	106.5		05.1	848 106.1	834	104.4		107.8	903	113.0	914	114.4	915	114.5	916	114.6
Waterloo ES	663	663	663	663	562	84.8	581	87.6	560	84.5		86.4	563 84.9	577	87.0	590	89.0	595	89.7	601	90.6	610	92.0	623	94.0
Worthington ES	515	515	515	515	458	88.9	445	86.4	432	83.9		86.8	469 91.1	508	98.6	539	104.7	574	111.5	662	128.5	676	131.3	668	129.7
Region Totals	6935	6935	6935	6935	6558	94.6	6706	96.7	6835	98.6	6997 1	00.9	7205 103.9	7428	107.1	7673	110.6	7879	113.6	8139	117.4	8218	118.5	8238	118.8
Northern				o. / 7					= 10							=00		=00							
Centennial Lane ES	647	647	647	647	752	116.2	746	115.3	749	115.8		16.1	745 115.1	750	115.9		117.5	760	117.5	768	118.7	774	119.6	776	119.9
Centennial Lane ES Hollifield Station ES	732	732	732	732	821	112.2	835	114.1	849	116.0	839 1	14.6	833 113.8	851	116.3	847	115.7	857	117.1	860	117.5	868	118.6	881	120.4
Centennial Lane ES Hollifield Station ES Manor Woods ES	732 681	732 681	732 681	732 681							839 1					847									
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45	732 681 NS 0	732 681 0	732 681 0	732 681 0	821 653	112.2 95.9	835 665	114.1 97.7	849 693	116.0 101.8	839 1 699 1	14.6 02.6	833 113.8 748 109.8	851 760	116.3 111.6	847 760	115.7 111.6	857 776	117.1 114.0	860 765	117.5 112.3	868 763	118.6 112.0	881 757	120.4 111.2
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES	732 681 NS 0 700	732 681 0 700	732 681 0 700	732 681 0 700	821 653 729	112.2 95.9 104.1	835 665 735	114.1 97.7 105.0	849 693 743	116.0 101.8 106.1	839 1 699 1 748 1	14.6 102.6	833 113.8 748 109.8 771 110.1	851 760 811	116.3 111.6 115.9	847 760 828	115.7 111.6 118.3	857 776 842	117.1 114.0 120.3	860 765 852	117.5 112.3 121.7	868 763 860	118.6 112.0 122.9	881 757 847	120.4 111.2 121.0
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES	732 681 NS 0 700 612	732 681 0 700 612	732 681 0 700 612	732 681 0 700 612	821 653 729 705	112.2 95.9 104.1 115.2	835 665 735 691	114.1 97.7 105.0 112.9	849 693 743 710	116.0 101.8 106.1 116.0	839 1 699 1 748 1 730 1	14.6 02.6 06.9 19.3	833 113.8 748 109.8 771 110.1 748 122.2	851 760 811 781	116.3 111.6 115.9 127.6	847 760 828 786	115.7 111.6 118.3 128.4	857 776 842 805	117.1 114.0 120.3 131.5	860 765 852 812	117.5 112.3 121.7 132.7	868 763 860 826	118.6 112.0 122.9 135.0	881 757 847 839	120.4 111.2 121.0 137.1
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES	732 681 NS 0 700 612 A 788	732 681 0 700 612 788	732 681 0 700 612 788	732 681 0 700 612 788	821 653 729 705 823	112.2 95.9 104.1 115.2 104.4	835 665 735 691 846	114.1 97.7 105.0 112.9 107.4	849 693 743 710 866	116.0 101.8 106.1 116.0 109.9	839 1 699 1 748 1 730 1 870 1	14.6 02.6 06.9 19.3 10.4	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7	851 760 811 781 949	116.3 111.6 115.9 127.6 120.4	847 760 828 786 985	115.7 111.6 118.3 128.4 125.0	857 776 842 805 1007	117.1 114.0 120.3 131.5 127.8	860 765 852 812 1010	117.5 112.3 121.7 132.7 128.2	868 763 860 826 1017	118.6 112.0 122.9 135.0 129.1	881 757 847 839 1023	120.4 111.2 121.0 137.1 129.8
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES	732 681 NS 0 700 612	732 681 0 700 612 788	732 681 0 700 612	732 681 0 700 612	821 653 729 705	112.2 95.9 104.1 115.2	835 665 735 691	114.1 97.7 105.0 112.9	849 693 743 710	116.0 101.8 106.1 116.0	839 1 699 1 748 1 730 1 870 1	14.6 02.6 06.9 19.3	833 113.8 748 109.8 771 110.1 748 122.2	851 760 811 781	116.3 111.6 115.9 127.6	847 760 828 786	115.7 111.6 118.3 128.4	857 776 842 805	117.1 114.0 120.3 131.5	860 765 852 812	117.5 112.3 121.7 132.7	868 763 860 826	118.6 112.0 122.9 135.0	881 757 847 839	120.4 111.2 121.0 137.1
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals	732 681 NS 0 700 612 A 788	732 681 0 700 612 788	732 681 0 700 612 788	732 681 0 700 612 788	821 653 729 705 823	112.2 95.9 104.1 115.2 104.4	835 665 735 691 846	114.1 97.7 105.0 112.9 107.4	849 693 743 710 866	116.0 101.8 106.1 116.0 109.9	839 1 699 1 748 1 730 1 870 1	14.6 02.6 06.9 19.3 10.4	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7	851 760 811 781 949	116.3 111.6 115.9 127.6 120.4	847 760 828 786 985	115.7 111.6 118.3 128.4 125.0	857 776 842 805 1007	117.1 114.0 120.3 131.5 127.8	860 765 852 812 1010	117.5 112.3 121.7 132.7 128.2	868 763 860 826 1017	118.6 112.0 122.9 135.0 129.1	881 757 847 839 1023	120.4 111.2 121.0 137.1 129.8
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern	732 681 NS 0 700 612 A 788 4160	732 681 0 700 612 788 4160	732 681 0 700 612 788 4160	732 681 0 700 612 788 4160	821 653 729 705 823 4483	112.2 95.9 104.1 115.2 104.4 107.8	835 665 735 691 846 4518	114.1 97.7 105.0 112.9 107.4 108.6	849 693 743 710 866 4610	116.0 101.8 106.1 116.0 109.9 110.8	839 1 699 1 748 1 730 1 870 1 4637 1	14.6 02.6 19.3 10.4 11.5	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 4749 114.2	851 760 811 781 949 4902	116.3 111.6 115.9 127.6 120.4 117.8	847 760 828 786 985 4966	115.7 111.6 118.3 128.4 125.0 119.4	857 776 842 805 1007 5047	117.1 114.0 120.3 131.5 127.8 121.3	860 765 852 812 1010 5067	117.5 112.3 121.7 132.7 128.2 121.8	868 763 860 826 1017 5108	118.6 112.0 122.9 135.0 129.1 122.8	881 757 847 839 1023 5123	120.4 111.2 121.0 137.1 129.8 103.5
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES	732 681 NS 0 700 612 A 788 4160 424	732 681 0 700 612 788 4160	732 681 0 700 612 788 4160	732 681 0 700 612 788 4160	821 653 729 705 823 4483 466	112.2 95.9 104.1 115.2 104.4 107.8	835 665 735 691 846 4518 478	114.1 97.7 105.0 112.9 107.4 108.6	849 693 743 710 866 4610 480	116.0 101.8 106.1 116.0 109.9 110.8 113.2	839 1 699 1 748 1 730 1 870 1 4637 1	14.6 02.6 06.9 19.3 10.4 11.5	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 4749 114.2	851 760 811 781 949 4902 476	116.3 111.6 115.9 127.6 120.4 117.8	847 760 828 786 985 4966 477	115.7 111.6 118.3 128.4 125.0 119.4 112.5	857 776 842 805 1007 5047 474	117.1 114.0 120.3 131.5 127.8 121.3 111.8	860 765 852 812 1010 5067 478	117.5 112.3 121.7 132.7 128.2 121.8 112.7	868 763 860 826 1017 5108 480	118.6 112.0 122.9 135.0 129.1 122.8 113.2	881 757 847 839 1023 5123 485	120.4 111.2 121.0 137.1 129.8 103.5
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES	732 681 NS 0 700 612 A 788 4160 424 666	732 681 0 700 612 788 4160 424 666	732 681 0 700 612 788 4160 424 666	732 681 0 700 612 788 4160 424 666	821 653 729 705 823 4483 466 635	112.2 95.9 104.1 115.2 104.4 107.8	835 665 735 691 846 4518 478 640	114.1 97.7 105.0 112.9 107.4 108.6 112.7 96.1	849 693 743 710 866 4610 480 651	116.0 101.8 106.1 116.0 109.9 110.8 113.2 97.7	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 477 1 648 5	14.6 02.6 19.3 10.4 11.5 12.5 97.3	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 4749 114.2 479 113.0 680 102.1	851 760 811 781 949 4902 476 693	116.3 111.6 115.9 127.6 120.4 117.8 112.3 104.1	847 760 828 786 985 4966 477 707	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2	857 776 842 805 1007 5047 474 692	117.1 114.0 120.3 131.5 127.8 121.3 111.8 103.9	860 765 852 812 1010 5067 478 698	117.5 112.3 121.7 132.7 128.2 121.8 112.7 104.8	868 763 860 826 1017 5108 480 688	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3	881 757 847 839 1023 5123 485 683	120.4 111.2 121.0 137.1 129.8 103.5 114.4 102.6
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES	732 681 NS 0 700 612 A 788 4160 424 666 713	732 681 0 700 612 788 4160 424 666 713	732 681 0 700 612 788 4160 424 666 713	732 681 0 700 612 788 4160 424 666 713	821 653 729 705 823 4483 466 635 684	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.3 95.9	835 665 735 691 846 4518 478 640 681	114.1 97.7 105.0 112.9 107.4 108.6 112.7 96.1 95.5	849 693 743 710 866 4610 480 651 689	116.0 101.8 106.1 116.0 109.9 110.8 113.2 97.7 96.6	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 4463 9 711 9	14.6 02.6 19.3 10.4 11.5 12.5 97.3 99.7	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 4749 114.2 479 113.0 680 102.1 745 104.5	851 760 811 781 949 4902 4902 476 693 764	116.3 111.6 115.9 127.6 120.4 117.8 112.3 104.1 107.2	847 760 828 786 985 4966 477 707 811	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2 113.7	857 776 842 805 1007 5047 474 692 865	117.1 114.0 120.3 131.5 127.8 121.3 111.8 103.9 121.3	860 765 852 812 1010 5067 478 698 903	117.5 112.3 121.7 132.7 128.2 121.8 112.7 104.8 126.6	868 763 860 826 1017 5108 480 688 927	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3 130.0	881 757 847 839 1023 5123 485 683 938	120.4 111.2 121.0 137.1 129.8 103.5 114.4 102.6 131.6
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES	732 681 NS 0 700 612 A 788 4160 424 666 713 735	732 681 0 700 612 788 4160 424 666 713 735	732 681 0 700 612 788 4160 424 666 713 735	732 681 0 700 612 788 4160 424 666 713 735	821 653 729 705 823 4483 466 635 684 820	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.3 95.9 111.6	835 665 735 691 846 4518 478 640 681 799	114.1 97.7 105.0 112.9 107.4 108.6 112.7 96.1 95.5 108.7	849 693 743 710 866 4610 480 651 689 830	116.0 101.8 106.1 116.0 109.9 110.8 113.2 97.7 96.6 112.9	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 648 9 711 9 812 1	14.6 02.6 19.3 10.4 11.5 12.5 97.3 99.7 10.5	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 4749 114.2 479 114.2 479 114.2 771 102.1 745 104.5 786 106.9	851 760 811 781 949 4902 476 693 764 777	116.3 111.6 115.9 127.6 120.4 117.8 112.3 104.1 107.2 105.7	847 760 828 786 985 4966 477 707 811 746	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2 113.7 101.5	857 776 842 805 1007 5047 474 692 865 777	117.1 114.0 120.3 131.5 127.8 121.3 111.8 103.9 121.3 105.7	860 765 852 812 1010 5067 478 698 903 766	117.5 112.3 121.7 132.7 128.2 121.8 112.7 104.8 126.6 104.2	868 763 860 826 1017 5108 480 688 927 770	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3 130.0 104.8	881 757 847 839 1023 5123 485 683 938 758	120.4 111.2 121.0 137.1 129.8 103.5 103.5 114.4 102.6 131.6 103.1
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES	732 681 NS 0 700 612 A 788 4160 424 666 713 735 465	732 681 0 700 612 788 4160 424 666 713 735 465	732 681 0 700 612 788 4160 424 666 713 735 465	732 681 0 700 612 788 4160 424 666 713 735 465	821 653 729 705 823 4483 466 635 684 820 387	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.3 95.9 111.6 83.2	835 665 735 691 846 4518 478 640 681 799 373	114.1 97.7 105.0 112.9 107.4 108.6 112.7 96.1 95.5 108.7 80.2	849 693 743 710 866 4610 480 651 651 689 830 363	116.0 101.8 106.1 116.0 109.9 110.8 113.2 97.7 96.6 112.9 78.1	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 477 1 648 9 812 1 371 5	14.6 02.6 19.3 10.4 11.5 97.3 99.7 10.5 79.8	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 4749 114.2 479 113.0 680 102.1 745 106.5 786 106.9 365 78.5	851 760 811 949 4902 476 693 764 777 376	116.3 111.6 115.9 127.6 120.4 117.8 112.3 104.1 107.2 105.7 80.9	847 760 828 786 985 4966 477 707 811 746 412	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2 113.7 101.5 88.6	857 776 842 805 1007 5047 474 692 865 777 412	117.1 114.0 120.3 131.5 127.8 121.3 121.3 103.9 121.3 105.7 88.6	860 765 852 812 1010 5067 478 698 903 766 424	117.5 112.3 121.7 132.7 128.2 121.8 112.7 104.8 126.6 104.2 91.2	868 763 860 826 1017 5108 480 688 927 770 423	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3 130.0 104.8 91.0	881 757 847 839 1023 5123 485 683 938 758 422	120.4 111.2 121.0 137.1 129.8 103.5 114.4 102.6 131.6 103.1 90.8
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Gorman Crossing ES Guilford ES Hammond ES	732 681 NS 0 612 A 788 4160 424 666 713 735 465 653	732 681 0 700 612 788 4160 424 666 713 735 465 653	732 681 0 700 612 788 4160 424 666 713 735 465 653	732 681 0 700 612 788 4160 424 666 713 735 465 653	821 653 729 705 823 4483 466 635 684 820 387 654	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.3 95.9 111.6 83.2 100.2	835 665 735 691 846 4518 478 640 681 799 373 648	114.1 97.7 105.0 112.9 107.4 108.6 112.7 96.1 95.5 108.7 80.2 99.2	849 693 743 710 866 4610 480 651 689 830 363 639	116.0 101.8 106.1 116.0 109.9 110.8 113.2 97.7 96.6 112.9 78.1 97.9	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 4437 1 648 5 711 5 812 1 371 5 662 1	14.6 02.6 19.3 10.4 11.5 12.5 97.3 99.7 110.5 79.8 01.4	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 4749 114.2 479 113.0 680 102.1 745 104.5 786 106.9 908 106.9	851 760 811 781 949 4902 476 693 764 777 376 720	116.3 111.6 115.9 127.6 120.4 117.8 112.3 104.1 107.2 105.7 80.9 110.3	847 760 828 786 985 4966 477 707 811 746 412 730	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2 113.7 101.5 88.6 111.8	857 776 842 805 1007 5047 474 692 865 777 412 733	117.1 114.0 120.3 131.5 127.8 121.3 121.3 105.7 88.6 112.3	860 765 852 812 1010 5067 478 698 903 766 424 802	117.5 112.3 121.7 132.7 128.2 121.8 112.7 104.8 126.6 104.2 91.2 122.8	868 763 860 826 1017 5108 480 688 927 770 423 849	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3 130.0 104.8 91.0 130.0	881 757 847 839 1023 5123 485 683 938 758 422 898	120.4 111.2 121.0 137.1 129.8 103.5 103.5 114.4 102.6 131.6 103.1 90.8 137.5
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guifford ES Hammond ES Laurel Woods ES	732 681 NS 0 7000 612 A 788 4160 424 666 713 735 465 653 640	732 681 0 700 612 788 4160 424 666 713 735 465 653 640	732 681 0 700 612 788 4160 424 666 713 735 465	732 681 0 700 612 788 4160 424 666 713 735 465 653 640	821 653 729 705 823 4483 466 635 684 820 387	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.3 95.9 111.6 83.2	835 665 735 691 846 4518 478 640 681 799 373	114.1 97.7 105.0 112.9 107.4 108.6 112.7 96.1 95.5 108.7 80.2	849 693 743 710 866 4610 480 651 651 689 830 363	116.0 101.8 106.1 116.0 109.9 110.8 113.2 97.7 96.6 112.9 78.1	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 4437 1 648 5 711 5 812 1 371 5 662 1	14.6 02.6 19.3 10.4 11.5 97.3 99.7 10.5 79.8	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 4749 114.2 479 113.0 680 102.1 745 106.5 786 106.9 365 78.5	851 760 811 781 949 4902 476 693 764 777 376	116.3 111.6 115.9 127.6 120.4 117.8 112.3 104.1 107.2 105.7 80.9	847 760 828 786 985 4966 477 707 811 746 412	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2 113.7 101.5 88.6	857 776 842 805 1007 5047 474 692 865 777 412	117.1 114.0 120.3 131.5 127.8 121.3 121.3 103.9 121.3 105.7 88.6	860 765 852 812 1010 5067 478 698 903 766 424	117.5 112.3 121.7 132.7 128.2 121.8 112.7 104.8 126.6 104.2 91.2	868 763 860 826 1017 5108 480 688 927 770 423	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3 130.0 104.8 91.0	881 757 847 839 1023 5123 485 683 938 758 422	120.4 111.2 121.0 137.1 129.8 103.5 114.4 102.6 131.6 103.1 90.8
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43	732 681 NS 0 700 612 A 788 4160 424 666 713 735 465 653 640 NS 0	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0	732 681 0 700 612 788 4160 424 666 713 735 465 653 653 653 640 0	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0	821 653 729 705 823 4483 4483 466 635 684 820 387 654 584	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.9 111.6 83.2 100.2 91.3	835 665 735 691 846 4518 478 640 681 799 373 648 575	114.1 97.7 105.0 112.9 107.4 108.6 112.7 96.1 95.5 108.7 80.2 99.2 89.8	849 693 743 710 866 4610 480 651 689 830 363 639 561	116.0 101.8 106.1 116.0 109.9 110.8 113.2 97.7 96.6 112.9 78.1 97.9 87.7	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 648 7 812 1 371 5 662 1 562 8	14.6 02.6 19.3 10.4 11.5 12.5 97.3 99.7 10.5 79.8 01.4 87.8	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 4749 114.2 479 113.0 680 102.1 745 104.5 766 106.9 365 765 698 106.9 544 85.0	851 760 811 781 949 4902 4706 693 764 777 3766 720 529	116.3 111.6 115.9 127.6 120.4 117.8 112.3 104.1 107.2 105.7 80.9 110.3 82.7	847 760 828 786 985 4966 477 707 811 746 412 730 518	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2 113.7 101.5 88.6 111.8 80.9	857 776 842 805 1007 5047 474 692 865 777 412 733 533	117.1 114.0 120.3 131.5 127.8 121.3 111.8 103.9 121.3 105.7 88.6 112.3 83.3	860 765 852 812 1010 5067 478 698 903 766 424 802 545	117.5 112.3 121.7 132.7 128.2 121.8 112.7 104.8 126.6 104.2 91.2 122.8 85.2	868 763 860 826 1017 5108 480 688 927 770 423 849 552	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3 130.0 104.8 91.0 130.0 86.3	881 757 847 839 1023 5123 485 683 938 758 422 898 576	120.4 111.2 121.0 137.1 129.8 103.5 103.5 114.4 102.6 131.6 131.6 131.6 131.6 137.5 90.0
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guifford ES Hammond ES Laurel Woods ES	732 681 NS 0 7000 612 A 788 4160 424 666 713 735 465 653 640	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0	732 681 0 700 612 788 4160 424 666 713 735 465 653 640	732 681 0 700 612 788 4160 424 666 713 735 465 653 640	821 653 729 705 823 4483 466 635 684 820 387 654	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.3 95.9 111.6 83.2 100.2	835 665 735 691 846 4518 478 640 681 799 373 648	114.1 97.7 105.0 112.9 107.4 108.6 112.7 96.1 95.5 108.7 80.2 99.2	849 693 743 710 866 4610 480 651 689 830 363 639	116.0 101.8 106.1 116.0 109.9 110.8 113.2 97.7 96.6 112.9 78.1 97.9	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 477 1 6812 1 371 5 662 1 562 8	14.6 02.6 19.3 10.4 11.5 12.5 97.3 99.7 110.5 79.8 01.4	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 4749 114.2 479 113.0 680 102.1 745 104.5 786 106.9 908 106.9	851 760 811 781 949 4902 476 693 764 777 376 720	116.3 111.6 115.9 127.6 120.4 117.8 112.3 104.1 107.2 105.7 80.9 110.3	847 760 828 786 985 4966 477 707 811 746 412 730	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2 113.7 101.5 88.6 111.8	857 776 842 805 1007 5047 474 692 865 777 412 733	117.1 114.0 120.3 131.5 127.8 121.3 121.3 105.7 88.6 112.3	860 765 852 812 1010 5067 478 698 903 766 424 802	117.5 112.3 121.7 132.7 128.2 121.8 112.7 104.8 126.6 104.2 91.2 122.8	868 763 860 826 1017 5108 480 688 927 770 423 849	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3 130.0 104.8 91.0 130.0	881 757 847 839 1023 5123 485 683 938 758 422 898	120.4 111.2 121.0 137.1 129.8 103.5 103.5 114.4 102.6 131.6 103.1 90.8 137.5
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guifford ES Hammond ES Laurel Woods ES New ES #43 Region Totals	732 681 NS 0 700 612 A 788 4160 424 666 713 735 465 653 640 NS 0	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0	732 681 0 700 612 788 4160 424 666 713 735 465 653 653 653 640 0	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0	821 653 729 705 823 4483 4483 466 635 684 820 387 654 584	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.9 111.6 83.2 100.2 91.3	835 665 735 691 846 4518 478 640 681 799 373 648 575	114.1 97.7 105.0 112.9 107.4 108.6 112.7 96.1 95.5 108.7 80.2 99.2 89.8	849 693 743 710 866 4610 480 651 689 830 363 639 561	116.0 101.8 106.1 116.0 109.9 110.8 113.2 97.7 96.6 112.9 78.1 97.9 87.7	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 648 7 812 1 371 5 662 1 562 8	14.6 02.6 19.3 10.4 11.5 12.5 97.3 99.7 10.5 79.8 01.4 87.8	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 4749 114.2 479 113.0 680 102.1 745 104.5 766 106.9 365 765 698 106.9 544 85.0	851 760 811 781 949 4902 4706 693 764 777 3766 720 529	116.3 111.6 115.9 127.6 120.4 117.8 112.3 104.1 107.2 105.7 80.9 110.3 82.7	847 760 828 786 985 4966 477 707 811 746 412 730 518	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2 113.7 101.5 88.6 111.8 80.9	857 776 842 805 1007 5047 474 692 865 777 412 733 533	117.1 114.0 120.3 131.5 127.8 121.3 111.8 103.9 121.3 105.7 88.6 112.3 83.3	860 765 852 812 1010 5067 478 698 903 766 424 802 545	117.5 112.3 121.7 132.7 128.2 121.8 112.7 104.8 126.6 104.2 91.2 122.8 85.2	868 763 860 826 1017 5108 480 688 927 770 423 849 552	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3 130.0 104.8 91.0 130.0 86.3	881 757 847 839 1023 5123 485 683 938 758 422 898 576	120.4 111.2 121.0 137.1 129.8 103.5 103.5 114.4 102.6 131.6 131.6 131.6 131.6 137.5 90.0
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Gorman Crossing ES Gorman Crossing ES Gorman ES Laurel Woods ES New ES #43 Region Totals	732 681 NS 0 700 612 A 788 4160 424 666 713 735 465 653 653 653 653 0 NS 0 4296	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 0 4296	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 0 4296	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 4296	821 653 729 705 823 4483 466 635 684 820 387 654 584 4230	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.3 95.3 95.3 95.3 95.3 95.3 95.3 9	835 665 735 691 846 4518 478 640 681 799 373 648 575 4194	114.1 97.7 105.0 112.9 107.4 108.6 112.7 96.1 95.5 108.7 80.2 99.2 89.8 97.6	849 693 743 710 866 4610 480 651 689 830 363 639 830 363 639 561 4213	116.0 101.8 106.1 116.0 109.9 110.8 113.2 97.7 96.6 112.9 78.1 97.9 87.7 98.1	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 4637 1 648 9 711 5 4243 9	14.6 02.6 06.9 19.3 10.4 11.5 97.3 99.7 10.5 79.8 99.7 10.5 99.8 8 98.8	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 4749 114.2 479 113.0 680 102.1 745 104.5 766 106.9 565 768.6 080 106.9 544 85.0 4297 84.5	851 760 811 781 949 4902 476 693 764 777 376 720 529 4335	116.3 111.6 115.9 127.6 120.4 117.8 112.3 104.1 107.2 105.7 80.9 110.3 82.7 85.3	847 760 828 786 4966 4966 477 707 811 746 412 730 518 4401	115.7 111.6 118.3 128.4 125.0 119.4 112.5 1106.2 113.7 101.5 88.6 111.8 80.9 86.6	857 776 842 805 1007 5047 474 692 865 777 412 733 533 4486	117.1 114.0 120.3 131.5 127.8 121.3 103.9 121.3 105.7 88.6 112.3 83.3 88.2	860 765 852 812 1010 5067 478 698 903 766 424 802 545 4616	117.5 112.3 121.7 132.7 128.2 121.8 121.8 112.7 104.8 126.6 104.2 91.2 122.8 85.2 90.8	868 763 860 826 1017 5108 480 688 927 770 423 849 552 4689	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3 130.0 86.3 91.0 130.0 86.3 92.2	881 757 847 839 1023 5123 485 683 938 758 422 898 576 4760	120.4 111.2 121.0 137.1 129.8 103.5 104.4 102.6 131.6 103.1 90.8 137.5 90.0 93.6
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 Region Totals Western Bushy Park ES	732 681 NS 0 700 612 A 788 4160 424 666 713 735 653 653 653 653 653 640 NS 0 4296 744	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 0 4296 744	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 0 4296 744	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 4296 744	821 653 729 705 823 4483 466 635 684 820 387 654 584 4230 561	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.3 95.9 111.6 83.2 100.2 91.3 98.5 75.4 75.4	835 665 735 691 846 4518 478 640 681 799 373 648 575 4194 569	114.1 97.7 105.0 112.9 107.4 108.6 108.6 108.6 108.7 96.1 95.5 108.7 80.2 99.2 89.8 97.6 76.5	849 693 743 710 866 4610 480 651 689 830 363 639 561 4213 537	116.0 101.8 106.1 116.0 109.9 110.8 113.2 97.7 96.6 112.9 78.1 97.9 87.7 98.1 98.1	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 477 1 648 5 711 5 662 1 4243 5 535 5	14.6 02.6 06.9 19.3 10.4 11.5 97.3 99.7 10.5 79.8 001.4 87.8 98.8 98.8	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 4749 114.2 479 113.0 680 102.1 745 104.5 786 106.9 544 86.0 4297 84.5	851 760 811 781 999 4902 476 693 764 777 376 720 529 4335 533	116.3 111.6 115.9 127.6 120.4 117.8 112.3 104.1 107.2 105.7 80.9 110.3 82.7 85.3 71.6	847 760 828 786 985 4966 4777 707 811 746 412 730 518 4401	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2 113.7 101.5 88.6 111.8 80.9 86.6 73.3	857 776 842 805 1007 5047 474 692 865 777 412 733 533 4486 543	117.1 114.0 120.3 131.5 127.8 121.3 121.3 103.9 121.3 105.7 88.6 112.3 83.3 88.2 73.0	860 765 852 812 1010 5067 478 698 903 766 424 802 545 4616	117.5 112.3 121.7 132.7 128.2 121.8 121.8 126.6 104.2 91.2 122.8 85.2 90.8 76.2	868 763 860 826 1017 5108 480 688 927 770 423 849 552 4689 603	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3 130.0 104.8 91.0 130.0 86.3 92.2 81.0	881 757 847 839 1023 5123 485 683 938 758 422 898 576 4760 635	120.4 111.2 121.0 137.1 137.1 137.1 137.1 137.1 137.1 137.5 102.6 131.6 103.1 90.8 137.5 90.0 93.6 85.3
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Boliman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 Region Totals Western Bushy Park ES Clarksville ES	732 681 NS 0 700 612 4 788 4160 424 666 6713 735 465 653 640 NS 0 4296 744 543	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 4296 744	732 681 0 700 612 788 4160 424 666 713 735 465 653 653 640 0 0 4296 4296	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 4296 4296	821 653 729 705 823 4483 466 635 684 820 387 654 584 4230 4230	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.9 111.6 83.2 100.2 91.3 98.5 75.4 72.4	835 665 735 691 846 4518 478 640 681 799 373 648 575 4194 569 380	114.1 97.7 105.0 112.9 107.4 108.6 112.7 96.1 95.5 108.7 80.2 99.2 89.8 97.6 76.5 70.0	849 693 743 710 866 4610 480 651 689 830 363 639 561 4213 537 385	116.0 101.8 106.1 116.0 109.9 110.8 113.2 97.7 96.6 112.9 78.1 97.9 87.7 98.1 72.2 70.9	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 4637 1 662 1 371 5 562 2 4243 5 535 397	14.6 02.6 19.3 10.4 11.5 97.3 99.7 10.5 97.8 01.4 87.8 98.8 98.8 71.9 73.1	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 479 114.2 479 114.2 479 10.1 745 104.1 786 106.9 365 78.5 698 106.9 364 85.0 4297 84.5 528 71.0 380 70.0	851 760 811 781 949 4902 476 693 764 777 376 720 529 4335 533 368	116.3 111.6 115.9 127.6 120.4 117.8 112.3 104.1 107.2 105.7 80.9 110.3 82.7 85.3 71.6 67.8	847 760 828 786 985 4966 477 707 811 746 412 730 518 4401 518 545 387	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2 113.7 101.5 88.6 111.8 80.9 86.6 73.3 71.3	857 776 842 805 1007 5047 5047 474 692 865 777 412 733 533 4486 4486 543 391	117.1 114.0 120.3 131.5 127.8 121.3 121.3 111.8 103.9 121.3 105.7 88.6 112.3 83.3 88.2 73.0 72.0	860 765 852 812 1010 5067 478 698 903 766 424 802 545 4616 567 393	117.5 112.3 121.7 132.7 128.2 121.8 112.7 104.8 126.6 104.2 91.2 122.8 85.2 90.8 76.2 72.4	868 763 860 826 1017 5108 480 688 927 770 423 849 552 4689 6 03 396	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3 130.0 104.8 91.0 130.0 130.0 86.3 92.2 81.0 72.9	881 757 847 839 1023 5123 485 683 938 758 422 898 576 4760 635 397	120.4 111.2 121.0 137.1 129.8 103.5 103.5 114.4 102.6 131.6 103.1 90.0 93.6 85.3 73.1
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Gorman Crossing ES Gorman Crossing ES Gorman Crossing ES Gauliford ES Hammond ES Laurel Woods ES New ES #43 Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES	732 681 NS 0 612 A 788 4160 4160 666 663 653 653 653 640 NS 0 4296 744 543 675	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 0 4296 744 543 675	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 4296 744 543 675	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 4296 744 543 675	821 653 729 705 823 4483 466 635 684 820 387 654 584 4230 561 393 587	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.3 95.9 111.6 100.2 91.3 98.5 75.4 75.4 87.0	835 665 735 691 846 4518 478 640 681 799 373 648 575 4194 569 380 585	114.1 97.7 105.0 112.9 107.4 108.6 108.6 108.6 95.5 108.7 89.2 89.8 97.6 76.5 70.0 86.7	849 693 743 710 866 4610 480 651 689 830 363 639 561 4213 537 385 586	116.0 101.8 106.1 116.0 109.9 110.8 113.2 97.7 96.6 112.9 78.1 97.7 98.7 97.7 98.1 97.7 98.1	839 1 699 1 748 1 730 1 4637 1 4637 1 477 1 648 5 711 5 662 1 562 2 535 397 583 5	14.6 02.6 106.9 19.3 10.4 11.5 11.5 97.3 99.7 110.5 79.8 01.4 87.8 98.8 71.9 98.8	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 4749 114.2 479 113.0 680 102.1 745 106.5 785 78.5 698 106.9 544 85.0 528 71.0 380 70.0 584 86.5	851 760 811 781 949 4902 4902 4902 476 693 764 777 376 720 529 4335 533 368 581	116.3 111.6 115.9 127.6 120.4 117.8 114.3 104.1 107.2 105.7 80.9 110.3 82.7 85.3 71.6 67.8 86.1	847 760 828 786 985 4966 4977 707 811 746 730 518 4401 545 387 575	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2 113.7 101.5 88.6 111.8 80.9 86.6 73.3 71.3 85.2	857 776 842 805 1007 5047 474 692 865 777 412 733 533 4486 543 391 570	117.1 114.0 120.3 131.5 127.8 127.8 121.3 121.3 121.3 103.9 121.3 105.7 88.6 112.3 83.3 88.2 73.0 72.0 84.4	860 765 852 812 1010 5067 478 698 903 766 424 802 545 4616 567 393 559	117.5 112.3 121.7 128.2 121.8 112.7 104.8 126.6 104.2 91.2 91.2 91.2 122.8 85.2 90.8 76.2 72.4 82.8	868 763 860 826 1017 5108 480 688 927 770 423 849 555 4689 603 396 548	118.6 112.0 122.9 135.0 129.1 129.1 122.8 113.2 103.3 130.0 104.8 91.0 130.0 86.3 92.2 81.0 72.9 81.2	881 757 847 81023 5123 485 683 938 485 683 758 422 898 575 422 898 575 4760 635 397 533	120.4 111.2 121.0 137.1 129.8 103.5 103.5 103.5 103.5 103.1 90.8 137.5 90.0 93.6 85.3 73.1 78.0
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guifford ES Hammond ES Laurel Woods ES New ES #43 Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Futon ES	732 681 NS 0 700 612 4788 4160 713 735 465 653 735 465 653 840 840 84296 744 543 675 826	732 681 0 700 612 788 4160 424 666 713 735 653 645 653 645 653 640 0 4296 744 543 675	732 681 0 700 612 788 4160 424 666 713 735 653 640 0 4296 744 543 675 826	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 4296 744 543 675 826	821 653 729 705 823 4483 4483 4483 4483 4483 654 584 4230 584 584 584 584 584 1393 587 1016	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.3 95.9 111.6 83.2 100.2 91.3 98.5 75.4 75.4 75.4 75.4 72.4 87.0 123.0	835 665 735 691 846 4518 478 640 681 799 373 648 575 4194 569 380 585 90585	114.1 97.7 105.0 112.9 107.4 108.6 112.7 96.1 95.5 108.7 80.2 89.8 97.6 76.5 70.0 86.7 128.2	849 693 743 710 866 4610 480 651 689 830 363 639 561 4213 537 385 586 1100	116.0 101.8 106.1 116.0 109.9 110.8 113.2 97.7 96.6 112.9 78.1 97.9 87.7 98.1 72.2 70.9 86.8 133.2	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 477 1 648 5 711 5 812 1 371 5 662 1 535 3 397 5 583 1 113 1	14.6 02.6 06.9 19.3 10.4 11.5 97.3 99.7 79.8 01.4 87.8 98.8 98.8 71.9 73.1 86.4 34.7	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 479 113.0 680 102.1 745 104.5 785 106.9 544 86.5 528 71.0 380 70.0 584 86.5 1132 137.0	851 760 811 781 949 4902 476 693 764 770 529 4335 533 368 533 368 581	116.3 111.6 115.9 120.4 117.8 112.3 104.1 107.2 105.7 80.9 110.3 82.7 85.3 71.6 67.8 86.1 135.4	847 760 828 786 4965 4966 477 811 746 412 730 518 4401 545 387 575 545 387 51124	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2 113.7 101.5 88.6 111.8 80.9 86.6 73.3 71.3 85.2 136.1	857 776 842 805 1007 5047 474 692 865 777 412 733 533 4486 543 391 570 1111	117.1 114.0 120.3 131.5 127.8 121.3 121.3 121.3 105.7 88.6 112.3 83.3 88.2 73.0 72.0 73.0 72.0 84.4 134.5	860 765 852 812 1010 5067 478 698 903 766 424 802 545 4616 567 393 559 1095	117.5 112.3 121.7 132.2 121.8 112.7 104.8 126.6 104.2 91.2 91.2 122.8 85.2 90.8 76.2 72.4 82.8 132.6	868 763 860 826 1017 5108 480 688 927 770 423 849 552 4689 603 396 548 1098	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3 130.0 104.8 91.0 130.0 86.3 92.2 81.0 72.9 81.2 132.9	881 757 847 839 1023 5123 485 683 938 758 485 683 938 758 422 898 576 4760 635 397 533 1090	120.4 111.2 121.0 137.1 129.8 103.5 103.5 114.4 102.6 131.6 131.6 131.6 133.7 90.0 93.6 85.3 73.1 79.0 132.0
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Gorman Crossing ES Gorman Crossing ES Gorman Crossing ES Gauliford ES Hammond ES Laurel Woods ES New ES #43 Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES	732 681 NS 0 612 A 788 4160 4160 666 663 653 653 653 640 NS 0 4296 744 543 675	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 0 4296 744 543 675	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 4296 744 543 675	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 4296 4296 744 543 675 826 827	821 653 729 705 823 4483 4483 466 635 684 820 387 654 584 4230 561 393 587 1016 473	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.3 95.9 111.6 83.2 100.2 91.3 98.5 98.5 75.4 75.4 72.4 87.0 123.0 89.8	835 665 735 691 846 4518 478 640 681 799 373 648 575 4194 569 380 585 1059 483	114.1 97.7 105.0 112.9 107.4 108.6 108.6 108.6 95.5 108.7 89.2 89.8 97.6 76.5 70.0 86.7	849 693 743 710 866 4610 480 651 689 830 363 9561 4213 537 385 586 1100 507	116.0 101.8 106.1 1109.9 110.8 113.2 97.7 96.6 112.9 77.9 87.7 98.1 97.9 87.7 98.1 72.2 70.9 86.8 133.2 96.2	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 477 1 648 5 711 5 812 1 371 5 662 1 535 3 397 5 583 1 113 1	14.6 02.6 106.9 19.3 10.4 11.5 11.5 97.3 99.7 110.5 79.8 01.4 87.8 98.8 71.9 98.8	833 113.8 748 109.8 771 110.1 14 122.2 904 114.7 4749 114.2 479 113.0 680 102.1 745 104.5 786 106.9 544 85.0 4297 84.5 528 71.0 530 70.0 544 85.5 1132 137.0 532 100.9	851 760 811 781 949 4902 4902 4902 4902 4902 4902 4902 4902 4902 4902 4902 4902 4902 4905 764 770 529 4335 533 368 581 1118 549	116.3 111.6 115.9 127.6 120.4 117.8 112.3 104.1 107.2 105.7 80.9 110.3 82.7 85.3 71.6 67.8 86.1 135.4 104.2	847 760 828 786 985 4966 477 707 811 746 412 730 518 4401 545 545 387 575 1124 544	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2 113.7 101.5 88.6 111.8 80.9 86.6 73.3 71.3 85.2 136.1 103.2	857 776 842 805 1007 5047 474 692 865 777 412 733 474 692 865 777 412 733 4486 543 391 570 1111 553	117.1 114.0 120.3 131.5 127.8 127.8 121.3 121.3 121.3 103.9 121.3 105.7 88.6 112.3 83.3 88.2 73.0 72.0 84.4	860 765 852 812 1010 5067 478 698 903 766 424 802 545 4616 567 393 559 1095 584	117.5 112.3 121.7 128.2 121.8 112.7 104.8 126.6 104.2 91.2 91.2 91.2 122.8 85.2 90.8 76.2 72.4 82.8	868 763 860 826 1017 5108 480 688 927 770 423 849 555 4689 603 396 548	118.6 112.0 122.9 135.0 129.1 129.1 122.8 113.2 103.3 130.0 104.8 91.0 130.0 86.3 92.2 81.0 72.9 81.2	881 757 847 839 5123 485 683 938 485 683 938 422 898 8758 422 898 576 4760 635 397 533 1090 620	120.4 111.2 121.0 137.1 129.8 103.5 103.5 103.5 103.5 103.1 90.8 137.5 90.0 93.6 85.3 73.1 78.0
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guifford ES Hammond ES Laurel Woods ES New ES #43 Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Futon ES	732 681 NS 0 700 612 A 788 4160 424 666 713 735 4655 653 653 653 653 653 653 653 653 735 465 55 826 527 744	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 0 4296 744 543 675 826 527 744	732 681 700 612 788 4160 424 666 713 735 465 653 640 0 4296 744 543 675 826 527 744	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 4296 744 543 675 826 527 744	821 653 729 705 823 4483 4483 466 635 684 820 387 654 584 584 584 584 584 587 1016 473 825	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.3 95.9 111.6 83.2 100.2 91.3 98.5 75.4 75.4 75.4 75.4 75.4 72.4 87.0 123.0	835 665 735 691 846 4518 478 640 681 799 373 648 575 4194 569 380 585 585 1059 483	114.1 97.7 105.0 112.9 107.4 108.6 112.7 96.1 95.5 108.7 80.2 89.8 97.6 76.5 70.0 86.7 128.2	849 693 743 710 866 4610 480 651 689 830 363 639 561 4213 537 385 586 1100	116.0 101.8 106.1 116.0 109.9 110.8 113.2 97.7 96.6 112.9 78.1 97.9 87.7 98.1 72.2 70.9 86.8 133.2	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 477 1 648 5 711 9 812 1 371 5 662 1 562 8 4243 5 535 397 583 8 1113 1 516 2	14.6 02.6 06.9 19.3 10.4 11.5 97.3 99.7 79.8 01.4 87.8 98.8 98.8 71.9 73.1 86.4 34.7	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 479 113.0 680 102.1 745 104.5 785 106.9 544 86.5 528 71.0 380 70.0 584 86.5 1132 137.0	851 760 811 781 949 4902 476 693 764 770 529 4335 533 368 533 368 581	116.3 111.6 115.9 120.4 117.8 112.3 104.1 107.2 105.7 80.9 110.3 82.7 85.3 71.6 67.8 86.1 135.4	847 760 828 786 4965 4966 477 811 746 412 730 518 4401 545 387 575 545 387 51124	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2 113.7 101.5 88.6 111.8 80.9 86.6 73.3 71.3 85.2 136.1	857 776 842 805 1007 5047 474 692 865 777 412 733 533 4486 543 391 570 1111	117.1 114.0 120.3 131.5 127.8 121.3 121.3 121.3 105.7 88.6 112.3 83.3 88.2 73.0 72.0 73.0 72.0 84.4 134.5	860 765 852 812 1010 5067 478 698 903 766 424 802 545 4616 567 393 559 1095 584	117.5 112.3 121.7 132.2 121.8 112.7 104.8 126.6 104.2 91.2 91.2 122.8 85.2 90.8 76.2 72.4 82.8 132.6	868 763 826 826 1017 5108 480 688 927 770 423 849 552 4689 603 396 548 1098 604 894	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3 130.0 104.8 91.0 130.0 86.3 92.2 81.0 72.9 81.2 132.9	881 757 847 839 1023 5123 485 683 938 758 485 683 938 758 422 898 576 4760 635 397 533 1090	120.4 111.2 121.0 137.1 129.8 103.5 103.5 114.4 102.6 131.6 131.6 131.6 133.7 90.0 93.6 85.3 73.1 79.0 132.0
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Boliman Bridge ES Forest Ridge ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES	732 681 NS 0 700 612 4788 4160 424 666 6713 735 465 653 640 NS 0 4296 744 543 675 826	732 681 0 700 612 788 4160 424 6666 713 735 465 653 640 0 0 4296 744 543 675 826 527	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 4296 4296 744 543 675 826 827	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 4296 4296 744 543 675 826 827	821 653 729 705 823 4483 4483 466 635 684 820 387 654 584 4230 561 393 587 1016 473	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.3 95.9 111.6 83.2 100.2 91.3 98.5 98.5 75.4 75.4 72.4 87.0 123.0 89.8	835 665 735 691 846 4518 478 640 681 799 373 648 575 4194 569 380 585 1059 483	114.1 97.7 105.0 112.9 107.4 108.6 112.7 96.1 95.5 108.7 80.2 99.2 89.8 97.6 76.5 70.0 86.7 128.2 91.7	849 693 743 710 866 4610 480 651 689 830 363 9561 4213 537 385 586 1100 507	116.0 101.8 106.1 1109.9 110.8 113.2 97.7 96.6 112.9 77.9 87.7 98.1 97.9 87.7 98.1 72.2 70.9 86.8 133.2 96.2	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 477 1 648 2 711 5 662 1 562 2 4243 2 535 397 583 3 1113 1 516 900	14.6 02.6 06.9 19.3 10.4 11.5 97.3 99.7 10.5 79.8 99.7 10.5 79.8 99.7 10.5 79.8 98.8 98.8 71.9 73.1 86.4 34.7 97.9	833 113.8 748 109.8 771 110.1 14 122.2 904 114.7 4749 114.2 479 113.0 680 102.1 745 104.5 786 106.9 544 85.0 4297 84.5 528 71.0 530 70.0 544 85.5 1132 137.0 532 100.9	851 760 811 781 949 4902 4902 4902 4902 4902 4902 4902 4902 4902 4902 4902 4902 4902 4905 764 770 529 4335 533 368 581 1118 549	116.3 111.6 115.9 127.6 120.4 117.8 112.3 104.1 107.2 105.7 80.9 110.3 82.7 85.3 71.6 67.8 86.1 135.4 104.2	847 760 828 786 985 4966 477 707 811 746 412 730 518 4401 545 545 387 575 1124 544	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2 113.7 101.5 88.6 111.8 80.9 86.6 73.3 71.3 85.2 136.1 103.2	857 776 842 805 1007 5047 474 692 865 777 412 733 474 692 865 777 412 733 4486 543 391 570 1111 553	117.1 114.0 120.3 131.5 127.8 121.3 111.8 103.9 121.3 105.7 88.6 112.3 88.6 112.3 88.2 73.0 72.0 84.4 134.5 104.9	860 765 852 812 1010 5067 478 698 903 766 424 802 545 4616 567 393 559 1095 584	117.5 112.3 121.7 132.7 128.2 121.8 112.7 128.2 121.8 126.6 104.2 91.2 91.2 122.8 85.2 90.8 76.2 72.4 82.8 132.6 110.8	868 763 860 826 1017 5108 480 688 927 770 423 849 552 4689 603 396 548 1098 600	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3 130.0 104.8 91.0 130.0 86.3 92.2 81.0 72.9 81.2 132.9 81.2 132.9	881 757 847 839 5123 485 683 938 485 683 938 422 898 8758 422 898 576 4760 635 397 533 1090 620	120.4 111.2 121.0 137.1 129.8 103.5 103.5 137.5 90.0 93.6 85.3 73.1 79.0 132.0 117.6
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Gorman Crossing ES Gorman Crossing ES Gorman Crossing ES Gorman Crossing ES Hammond ES Laurel Woods ES New ES #43 Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Luson ES Pointers Run ES	732 681 NS 0 700 612 A 788 4160 424 666 713 735 4655 653 653 653 653 653 653 653 653 735 465 55 826 527 744	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 0 4296 744 543 675 826 527 744	732 681 700 612 788 4160 424 666 713 735 465 653 640 0 4296 744 543 675 826 527 744	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 4296 744 543 675 826 527 744	821 653 729 705 823 4483 4483 466 635 684 820 387 654 584 584 584 584 584 587 1016 473 825	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.3 95.9 111.6 83.2 91.3 98.5 75.4 75.4 75.4 75.4 75.4 87.0 123.0 89.8 510.9	835 665 735 691 846 4518 478 640 681 799 373 648 575 4194 569 380 585 585 1059 483	114.1 97.7 105.0 112.9 107.4 108.6 112.7 96.1 95.5 108.7 80.2 89.8 99.2 89.8 97.6 76.5 70.0 86.7 128.2 91.7 128.2 91.7	849 693 743 740 866 4610 480 651 689 830 363 639 561 4213 537 385 586 1100 507 857	116.0 101.8 106.1 110.9 110.8 113.2 97.7 96.6 112.9 78.1 97.9 87.7 98.1 72.2 70.9 88.8 133.2 96.2 115.2	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 4637 1 4637 1 662 1 562 4 535 397 583 1 516 9 900 1 603 1	14.6 02.6 06.9 19.3 10.4 11.5 97.3 99.7 10.5 99.7 10.5 98.8 01.4 87.8 98.8 98.8 71.9 73.1 86.4 34.7 97.9 221.0	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 4749 114.2 479 113.0 680 102.1 745 104.5 786 106.9 565 78.5 698 106.9 544 86.5 1132 137.0 528 71.0 380 70.0 544 86.5 1132 137.0 532 100.9 919 123.5	851 760 811 781 949 4902 476 693 764 777 376 720 529 4335 533 368 531 1118 549 945	116.3 111.6 115.9 127.6 120.4 117.8 104.1 107.2 105.7 80.9 110.3 82.7 85.3 71.6 67.8 86.1 135.4 104.2 110.3 86.1 135.4 104.2 127.0	847 760 828 786 985 4966 4777 707 811 746 412 730 518 4401 545 387 575 1124 545 387 575	115.7 111.6 118.3 128.4 125.0 119.4 112.5 119.4 112.5 106.2 113.7 101.5 88.6 111.8 80.9 86.6 73.3 71.3 85.2 136.1 103.2 128.0	857 776 842 805 1007 5047 474 692 865 777 412 474 474 474 865 777 412 433 533 4486 543 391 570 1111 5570	117.1 114.0 120.3 131.5 127.8 121.3 121.3 103.9 121.3 105.7 88.6 112.3 83.3 88.2 73.0 72.0 84.4 134.5 104.9 127.3	860 765 852 812 1010 5067 478 698 903 766 424 802 545 4616 567 393 559 1095 584	117.5 112.3 121.7 132.2 121.8 121.8 121.8 121.8 124.8 126.6 104.2 91.2 91.2 91.2 91.2 122.8 85.2 90.8 76.2 72.4 82.8 132.6 110.8 132.6	868 763 826 826 1017 5108 480 688 927 770 423 849 552 4689 603 396 548 1098 604 894	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3 130.0 104.8 91.0 130.0 86.3 92.2 81.0 72.9 81.2 132.9 113.9 120.2	881 757 839 1023 5123 485 683 938 758 422 898 576 4760 635 397 533 1090 620	120.4 111.2 121.0 137.1 129.8 103.5 102.6 131.6 131.6 131.6 131.6 131.6 131.6 131.5 90.0 93.6 85.3 73.1 79.0 132.0 117.6 115.9
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Bollman Bridge ES Forest Ridge ES Gorman Crossing ES Guifford ES Hammond ES Laurel Woods ES New ES #43 Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fuiton ES Lisbon ES Pointers Run ES Triadelphia Ridge ES	732 681 NS 0 700 612 4788 4160 424 666 713 735 465 653 735 465 653 826 640 NS 0 4296 744 543 675 826 527 744 581 826 527 744	732 681 0 700 612 788 4160 424 666 713 735 465 653 6453 653 640 0 4296 744 543 675 8267 744 581 414	732 681 0 700 612 788 4160 424 666 713 735 4653 653 640 0 4296 4296 744 543 6727 744 5826 527 744 581	732 681 0 700 612 788 4160 424 666 713 735 465 653 653 640 0 4296 4296 744 543 675 826 527 744 581	821 653 729 705 823 4483 466 635 684 820 387 654 584 4230 584 4230 561 393 587 1016 473 825 572	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.3 95.9 111.6 83.2 100.2 91.3 98.5 75.4 72.4 87.0 89.8 110.9 98.5	835 665 735 691 846 4518 478 640 681 799 373 648 575 4194 569 380 585 483 832 577	114.1 97.7 105.0 112.4 108.6 112.7 96.1 95.5 108.7 80.2 89.8 99.2 89.8 97.6 76.5 70.0 86.7 128.2 91.7 111.8 99.3	849 693 743 710 866 4610 480 651 689 830 363 639 561 4213 537 385 586 1100 507 857 583	116.0 101.8 106.1 110.9 110.8 113.2 97.7 96.6 112.9 78.1 97.9 87.7 98.1 72.2 70.9 86.8 133.2 96.2 115.2 113.2	839 1 699 1 748 1 700 1 870 1 4637 1 4637 1 477 1 648 5 711 5 622 1 535 5 397 583 1113 1 562 9 900 1 603 1 435 1	14.6 02.6 06.9 119.3 10.4 11.5 97.3 99.7 110.5 79.8 001.4 87.8 98.8 98.8 71.9 73.1 86.4 34.7 97.9 21.0 03.8	833 113.8 748 109.8 771 110.1 748 122.2 904 114.7 479 113.0 680 102.1 745 104.5 786 106.9 544 85.0 4297 84.5 528 71.0 380 70.0 584 86.5 1132 137.0 532 109.9 919 123.5 636 109.5	851 760 811 781 949 4902 476 693 764 777 376 720 529 4335 533 368 581 533 368 581	116.3 111.6 115.9 120.4 117.8 112.3 104.1 107.2 105.7 80.9 110.3 82.7 85.3 71.6 67.8 86.1 135.4 104.2 127.0 135.4 104.2 127.0 111.2	847 760 828 786 4965 4966 477 811 746 412 730 518 4401 545 387 575 51124 545 387 51124 545 387 51124	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2 113.7 101.5 88.6 111.8 80.9 86.6 73.3 71.3 85.2 136.1 103.2 128.0 114.6	857 776 842 805 1007 5047 474 692 865 777 412 733 533 474 695 543 391 570 11111 553 947 690	117.1 114.0 120.3 131.5 127.8 127.8 121.3 111.8 103.9 121.3 105.7 88.6 112.3 83.3 88.2 73.0 72.0 84.4 134.5 104.9 127.3 118.8	860 765 852 812 1010 5067 478 698 903 766 424 802 545 4616 567 393 559 1095 584 925 584 925	117.5 112.3 121.7 132.7 128.2 121.8 112.7 104.8 126.6 104.2 91.2 91.2 122.8 85.2 90.8 76.2 72.4 82.8 132.6 110.8 132.6 112.5	868 763 860 826 1017 5108 480 688 927 770 423 849 552 4689 603 396 548 1098 600 894 658	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3 130.0 104.8 91.0 86.3 92.2 81.0 72.9 81.2 132.9 113.2 132.9 113.3	881 757 847 839 5123 5123 485 683 938 758 422 898 576 4760 4760 635 397 533 1090 620 862 833	120.4 111.2 121.0 137.1 129.8 103.5 103.5 114.4 102.6 131.6 131.6 131.6 133.5 90.0 93.6 85.3 73.1 79.0 132.0 117.6 115.9 109.0
Centennial Lane ES Hollifield Station ES Manor Woods ES New ES #45 Northfield ES St Johns Lane ES Waverly ES Region Totals Southeastern Atholton ES Boliman Bridge ES Gorman Crossing ES Gorman Crossing ES Guilford ES Hammond ES Laurel Woods ES New ES #43 Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Fuiton ES Fuiton ES Pointers Run ES Triadelphia Ridge ES	732 681 NS 0 612 A 788 4160 4466 666 666 653 653 653 653 653 653 640 NS 0 4296 744 543 675 826 527 744 541 541 541 541 541 541 541 541 541 5	732 681 0 700 612 788 4160 424 666 713 735 465 653 653 653 653 653 653 640 0 744 543 826 527 744 581 414 5054	732 681 0 700 612 788 4160 424 666 713 735 653 645 653 645 653 645 0 0 4296 744 581 675 826 527 744 581 414	732 681 0 700 612 788 4160 424 666 713 735 465 653 640 0 4296 744 543 675 826 527 744 581 451 5054	821 653 729 705 823 4483 466 635 684 820 387 654 584 4230 584 4230 587 1016 333 587 1016 333 587 572 336	112.2 95.9 104.1 115.2 104.4 107.8 109.9 95.3 95.9 111.6 83.2 100.2 91.3 98.5 75.4 75.4 75.4 75.4 75.4 75.4 72.4 87.0 123.0 89.8 910.2 91.9 98.5	835 665 735 691 846 4518 478 640 681 799 373 648 575 4194 569 380 585 1059 483 832 577 409	114.1 97.7 105.0 112.9 107.4 108.6 112.7 96.1 95.5 108.7 80.2 89.8 97.6 76.5 70.0 86.7 128.2 91.7 128.2 91.7 111.8 99.3 98.8 96.8	849 693 740 866 4610 480 651 689 830 363 9561 4213 537 385 586 1100 557 583 419	116.0 101.8 106.1 1109.9 110.8 113.2 97.7 96.6 112.9 77.9 87.7 98.1 97.9 87.7 98.1 72.2 70.9 86.8 133.2 96.2 115.2 100.3 101.2	839 1 699 1 748 1 730 1 870 1 4637 1 4637 1 477 1 648 7 1 662 4243 5 535 5 397 5 583 6 1113 1 516 900 435 1 4352 1	14.6 02.6 06.9 119.3 110.4 11.5 12.5 97.3 99.7 10.5 79.8 01.4 87.8 98.8 98.8 98.8 71.9 73.1 86.4 34.7 97.9 21.0 03.8 005.1	833 113.8 748 109.8 774 100.1 122 904 14.7 112.0 479 113.0 680 102.1 745 104.5 766 106.9 365 785 698 106.9 544 85.0 4297 84.5 528 71.0 584 86.5 1132 137.0 532 100.9 919 123.5 636 102.2 636 113.2	851 760 811 781 949 4902 4902 4902 476 693 764 777 376 720 529 4335 533 368 581 1118 549 945 646 501	116.3 111.6 115.9 127.6 120.4 117.8 112.3 104.1 107.2 105.7 80.9 110.3 82.7 85.3 71.6 67.8 86.1 135.4 104.2 127.0 111.2 127.0	847 760 828 786 985 4966 477 811 746 412 730 518 4401 545 387 575 1124 952 666 531	115.7 111.6 118.3 128.4 125.0 119.4 112.5 106.2 113.7 101.5 88.6 111.8 80.9 86.6 73.3 85.2 136.1 85.2 136.2 136.2 103.2 128.0 114.6 128.3	857 776 842 1007 5047 474 692 865 777 412 733 533 4486 543 391 570 1111 557 947 690 540	117.1 114.0 120.3 131.5 127.8 121.3 103.9 121.3 105.7 88.6 112.3 83.3 88.2 73.0 72.0 84.4 134.5 104.9 127.3 118.4	860 765 852 812 1010 5067 478 698 903 766 424 802 545 4616 4616 567 393 559 1095 559 1095 559 1095 559	117.5 112.3 121.7 132.2 121.8 112.7 104.8 126.6 104.2 91.2 91.2 91.2 91.2 91.2 91.2 91.2 91	868 763 826 1017 5108 480 688 927 770 423 849 552 4689 603 396 548 1098 603 894 6558	118.6 112.0 122.9 135.0 129.1 122.8 113.2 103.3 130.0 104.8 91.0 130.0 86.3 92.2 81.0 72.9 81.2 132.9 113.9 120.2 113.3 134.8 106.0	881 757 847 839 1023 5123 5123 485 683 938 758 485 683 938 758 422 898 576 4760 4760 6 35 397 533 1090 602 635 572	120.4 111.2 121.0 137.1 129.8 103.5 104.4 102.6 131.6 103.1 90.8 137.5 90.0 93.6 85.3 73.1 79.0 132.0 137.6 117.6 115.9 109.0 138.2

'A' includes additions as reflected in FY 2019 CIP for grades K-5 'NS' New School proposed in FY 2019 Capital Budget

Rev devices in project in the 2016 object in the 20

Post-Measures

47

Elementary Schools

Fulton ES
Lisbon ES
Pointers Run ES
Triadelphia Ridge E
West Friendship ES

'A' includes additions as reflected in FY 2020 CIP for grades K-5 'NS' New School proposed in FY 2020 Capital Budget

'R' Replacement School proposed in FY 2020 Capital Budget Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

ELEMENTARY SCHOOLS - Da	ta for Demonstrative Purposes Only
city Utilization Rates with Proposed FY	2020 Capital Budget Projects - Not Test for APFO

Post-Measures											5 - Data for Der						
Aggregate Plan							Capa	acity Utiliz	zation Rat	es with Propose	ed FY 2020 Ca	bital Budget Pro	jects - Not Test	t for APFO			
Chart reflects May 2018 F	rojectior	ns, potent	tial FY 20	020 requ	ested ca	pacities a	nd no redist	ricting.			-	-	-				
		Cap	acity		20	19-20	2020-	-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Columbia - East	2019	2020	2021	2022	Proj	% Util.	Proj %	Util. F	roj % Util	Proj % Util.	Proj % Util.	Proj % Util.	Proj % Util.	Proj % Util.	Proj % Util.	Proj % Util.	Proj % Util.
Cradlerock ES	398	398	398	398	458	115.1			45 111.8	435 109.3	444 111.6	450 113.1	448 112.6	455 114.3	464 116.6	471 118.3	478 120.1
Jeffers Hill ES	421	421	421	421	426	101.2			13 98.1	393 93.3	400 95.0	396 94.1	399 94.8	402 95.5	411 97.6	416 98.8	422 100.2
Phelps Luck ES	597	597	597	597	528	88.4			51 92.3	555 93.0	578 96.8	577 96.6	596 99.8	602 100.8	609 102.0	615 103.0	623 104.4
				399	395	99.0			00 100.3		405 101.5		407 102.0		420 105.3		
Stevens Forest ES	399	399	399							403 101.0							
Talbott Springs ES	377	377	377	540	459	121.8			60 122.0	463 85.7	464 85.9	453 83.9	458 84.8	461 85.4	475 88.0	481 89.1	488 90.4
Thunder Hill ES	509	509	509	509	518	101.8			86 95.5	484 95.1	476 <u>93.5</u>	474 <u>93</u> .1	474 93.1	472 92.7	490 <u>96.3</u>	496 97.4	505 99.2
Region Totals	2701	2701	2701	2864	2784	103.1	2785 1	03.1 2	755 102.0	2733 95.4	2767 96.6	2760 96.4	2782 97.1	2806 98.0	2869 100.2	2903 101.4	2944 102.8
Columbia - West																	
Bryant Woods ES	361	361	361	361	402	111.4	408 1	13.0 4	18 115.8	423 117.2	430 119.1	439 121.6	441 122.2	446 123.5	452 125.2	455 126.0	454 125.8
Clemens Crossing ES	521	521	521	521	508	97.5			93 113.8	638 122.5	680 130.5	713 136.9	731 140.3	765 146.8	783 150.3	803 154.1	815 156.4
Longfellow ES	512	512	512	512	400	78.1			03 78.7	417 81.4	414 80.9	425 83.0	431 84.2	437 85.4	445 86.9	448 87.5	453 88.5
New ES #45 NS		0	0	0	400	70.1	401	0.5	103 10.1	417 01.4	414 00.3	423 00.0	401 04.2	437 03.4	443 00.3	440 07.5	433 00.3
			•		500	100 5	FF0 4	00 F (00 440 F	040 405 4	070 400 7	700 407 5	740 4444	705 450 4	0.44 400.0	000 470 0	007 101 0
Running Brook ES	515	515	515	515	528	102.5			00 <u>116.5</u>	646 125.4	673 130.7	708 137.5	742 144.1	785 152.4	841 163.3	890 172.8	937 181.9
Swansfield ES A	694	694	694	694	591	85.2			576 <u>83.0</u>	579 83.4	573 <u>82.6</u>	574 82.7	580 <u>83.6</u>	584 <u>84</u> .1	595 <u>85.7</u>	601 <u>86.6</u>	607 87.5
Region Totals	2603	2603	2603	2603	2429	93.3	2501	96.1 2	590 99.5	2703 103.8	2770 106.4	2859 109.8	2925 112.4	3017 115.9	3116 119.7	3197 122.8	3266 105.6
Northeastern																	1
Bellows Spring ES	751	751	751	751	678	90.3	737	98.1 7	84 104.4	825 109.9	855 113.8	879 117.0	896 119.3	887 118.1	864 115.0	844 112.4	817 108.8
Deep Run ES	750	750	750	750	686	91.5			46 99.5	772 102.9	797 106.3	816 108.8	837 111.6	842 112.3	860 114.7	872 116.3	886 118.1
Ducketts Lane ES	694	694	694	694	678	97.7			62 95.4	651 93.8	639 92.1	643 92.7	634 91.4	658 94.8	677 97.6	684 98.6	684 98.6
Elkridge ES	760	760	760	760	840	110.5			328 108.9	812 106.8	794 104.5	799 105.1	826 108.7	869 114.3	923 121.4	971 127.8	986 129.7
Hanover Hills ES NS		810	810	810	689	85.1			108.5	979 120.9	1071 132.2	1105 136.4	1149 141.9	1185 146.3	1219 150.5	1219 150.5	1245 153.7
llchester ES	584	584	584	584	555	95.0			89.6	514 88.0	559 95.7	610 104.5	635 108.7	652 111.6	689 118.0	694 118.8	678 116.1
Rockburn ES	609	609	609	609	542	89.0			93.6	584 <u>95.9</u>	610 100.2	657 107.9	706 115.9	714 117.2	730 119.9	733 120.4	735 120.7
Veterans ES	799	799	799	799	870	108.9	853 1	06.8 8	106.5 States 106.5	840 105.1	848 106.1	834 104.4	861 107.8	903 113.0	914 114.4	915 114.5	916 114.6
Waterloo ES	663	663	663	663	562	84.8			60 84.5	573 <u>86.4</u>	563 <u>84.9</u>	577 <u>87.0</u>	590 <u>89.0</u>	595 <u>89.7</u>	601 <u>90.6</u>	610 <u>92.0</u>	623 94.0
Worthington ES	515	515	515	515	458	88.9	445 8	36.4 4	32 83.9	447 86.8	469 91.1	508 98.6	539 104.7	574 111.5	662 128.5	676 131.3	668 129.7
Region Totals	6935	6935	6935	6935	6558	94.6	6706	96.7 6	835 98.6	6997 100.9	7205 103.9	7428 107.1	7673 110.6	7879 113.6	8139 117.4	8218 118.5	8238 118.8
Northern																	
Centennial Lane ES	647	647	647	647	752	116.2	746 1	15.3 7	49 115.8	751 116.1	745 115.1	750 115.9	760 117.5	760 117.5	768 118.7	774 119.6	776 119.9
Hollifield Station ES	732	732	732	732	821	112.2			49 116.0	839 114.6	833 113.8	851 116.3	847 115.7	857 117.1	860 117.5	868 118.6	881 120.4
Manor Woods ES	681	681	681	681	653	95.9			igg 101.8	699 102.6	748 109.8	760 111.6	760 111.6	776 114.0	765 112.3	763 112.0	
	0				055	95.9	005	<i></i> c	101.0	099 102.0	740 109.0	700 111.0	700 111.0	770 114.0	705 112.5	703 112.0	757 111.2
New ES #44 NS		0	0	0	700	1011	705 4	or o -	400 4	740 400.0	774 440 4	044 445.0	000 440.0	040 400 0	050 404 7	000 400 0	0.17 101.0
Northfield ES	700	700	700	700	729	104.1			43 106.1	748 106.9	771 110.1	811 115.9	828 118.3	842 120.3	852 121.7	860 122.9	847 121.0
St Johns Lane ES	612	612	612	612	705	115.2			'10 <mark>116.0</mark>	730 119.3	748 122.2	781 127.6	786 128.4	805 131.5	812 132.7	826 135.0	839 137.1
Waverly ES A	788	788	788	788	823	104.4			866 109.9	870 110.4	904 114.7	949 120.4	985 125.0	1007 127.8	1010 128.2	1017 129.1	1023 129.8
Region Totals	4160	4160	4160	4160	4483	107.8	4518 1	08.6 4	610 110.8	4637 111.5	4749 114.2	4902 117.8	4966 119.4	5047 121.3	5067 106.4	5108 107.3	5123 107.6
Southeastern																	
Atholton ES	424	424	424	424	466	109.9	478 1	12.7 4	80 113.2	477 112.5	479 113.0	476 112.3	477 112.5	474 111.8	478 112.7	480 113.2	485 114.4
Bollman Bridge ES	666	666	666	666	635	95.3			51 97.7	648 97.3	680 102.1	693 104.1		692 103.9	698 104.8	688 103.3	683 102.6
Forest Ridge ES	713	713	713	713	684	95.9							707 106.2				003 102.0
							681 4	155 6	89 <u>96 6</u>	711 997	745 104 5						
									89 96.6 30 112 9	711 99.7	745 104.5 786 106.9	764 107.2	811 113.7	865 121.3	903 126.6	927 130.0	938 131.6
Gorman Crossing ES	735	735	735	735	820	111.6	799 1	08.7 8	30 112.9	812 110.5	786 106.9	764 107.2 777 105.7	811 113.7 746 101.5	865 121.3 777 105.7	903 126.6 766 104.2	927 130.0 770 104.8	938 <mark>131.6</mark> 758 103.1
Guilford ES	735 465	735 465	735 465	735 465	820 387	111.6 83.2	799 1 373 8	08.7 8 30.2 3	30 112.9 63 78.1	812 110.5 371 79.8	786 106.9 365 78.5	764 107.2 777 105.7 376 80.9	811 113.7 746 101.5 412 88.6	865 <mark>121.3</mark> 777 105.7 412 88.6	903 126.6 766 104.2 424 91.2	927 130.0 770 104.8 423 91.0	938 131.6 758 103.1 422 90.8
Guilford ES Hammond ES	735 465 653	735 465 653	735 465 653	735 465 653	820 387 654	111.6 83.2 100.2	799 1 373 8 648 9	08.7 8 30.2 3 99.2 6	330 112.9 363 78.1 339 97.9	812 110.5 371 79.8 662 101.4	786 106.9 365 78.5 698 106.9	764107.2777105.737680.9720110.3	811113.7746101.541288.6730111.8	865121.3777105.741288.6733112.3	903126.6766104.242491.2802122.8	927 130.0 770 104.8 423 91.0 849 130.0	938131.6758103.142290.8898137.5
Guilford ES Hammond ES Laurel Woods ES	735 465 653 640	735 465 653 640	735 465 653 640	735 465 653 640	820 387	111.6 83.2	799 1 373 8 648 9	08.7 8 30.2 3 99.2 6	30 112.9 63 78.1	812 110.5 371 79.8	786 106.9 365 78.5	764 107.2 777 105.7 376 80.9	811 113.7 746 101.5 412 88.6	865 <mark>121.3</mark> 777 105.7 412 88.6	903 126.6 766 104.2 424 91.2	927 130.0 770 104.8 423 91.0	938 131.6 758 103.1 422 90.8
Guilford ES Hammond ES Laurel Woods ES New ES #43 NS	735 465 653 640 0	735 465 653 640 0	735 465 653 640 0	735 465 653 640 0	820 387 654 584	111.6 83.2 100.2 91.3	799 1 373 8 648 9 575 8	08.7 8 30.2 3 99.2 6 39.8 5	330 112.9 363 78.1 339 97.9 361 87.7	812110.537179.8662101.456287.8	786106.936578.5698106.954485.0	764107.2777105.737680.9720110.352982.7	811113.7746101.541288.6730111.851880.9	865121.3777105.741288.6733112.353383.3	903126.6766104.242491.2802122.854585.2	927130.0770104.842391.0849130.055286.3	938 131.6 758 103.1 422 90.8 898 137.5 576 90.0
Guilford ES Hammond ES Laurel Woods ES	735 465 653 640	735 465 653 640	735 465 653 640	735 465 653 640	820 387 654	111.6 83.2 100.2	799 1 373 8 648 9 575 8	08.7 8 30.2 3 99.2 6 39.8 5	330 112.9 363 78.1 339 97.9	812 110.5 371 79.8 662 101.4	786 106.9 365 78.5 698 106.9	764107.2777105.737680.9720110.3	811113.7746101.541288.6730111.8	865121.3777105.741288.6733112.3	903126.6766104.242491.2802122.8	927 130.0 770 104.8 423 91.0 849 130.0	938131.6758103.142290.8898137.5
Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals	735 465 653 640 0	735 465 653 640 0	735 465 653 640 0	735 465 653 640 0	820 387 654 584	111.6 83.2 100.2 91.3	799 1 373 8 648 9 575 8	08.7 8 30.2 3 99.2 6 39.8 5	330 112.9 363 78.1 339 97.9 361 87.7	812110.537179.8662101.456287.8	786106.936578.5698106.954485.0	764107.2777105.737680.9720110.352982.7	811113.7746101.541288.6730111.851880.9	865121.3777105.741288.6733112.353383.3	903126.6766104.242491.2802122.854585.2	927130.0770104.842391.0849130.055286.3	938 131.6 758 103.1 422 90.8 898 137.5 576 90.0
Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western	735 465 653 640 0 4296	735 465 653 640 0 4296	735 465 653 640 0 4296	735 465 653 640 0 4296	820 387 654 584 4230	111.6 83.2 100.2 91.3 98.5	799 1 373 8 648 9 575 8 4194 9	08.7 8 30.2 3 39.2 6 39.8 5 97.6 4	330 112.9 363 78.1 339 97.9 361 87.7 213 98.1	812 110.5 371 79.8 662 101.4 562 87.8 4243 98.8	786 106.9 365 78.5 698 106.9 544 85.0 4297 87.8	764 107.2 777 105.7 376 80.9 720 110.3 529 82.7 4335 88.5	811 113.7 746 101.5 412 88.6 730 111.8 518 80.9 4401 89.9	865 121.3 777 105.7 412 88.6 733 112.3 533 83.3 4486 91.6	903 126.6 766 104.2 424 91.2 802 122.8 545 85.2 4616 94.3	927 130.0 770 104.8 423 91.0 849 130.0 552 86.3 4689 95.8	938 131.6 758 103.1 422 90.8 898 137.5 576 90.0 4760 97.2
Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals	735 465 653 640 0	735 465 653 640 0	735 465 653 640 0	735 465 653 640 0	820 387 654 584	111.6 83.2 100.2 91.3 98.5 75.4	799 1 373 8 648 9 575 8 4194 9	08.7 8 30.2 3 39.2 6 39.8 5 97.6 4	330 112.9 363 78.1 339 97.9 361 87.7	812110.537179.8662101.456287.8	786106.936578.5698106.954485.0	764107.2777105.737680.9720110.352982.7	811113.7746101.541288.6730111.851880.9	865121.3777105.741288.6733112.353383.3	903126.6766104.242491.2802122.854585.2	927130.0770104.842391.0849130.055286.3	938 131.6 758 103.1 422 90.8 898 137.5 576 90.0
Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western	735 465 653 640 0 4296	735 465 653 640 0 4296	735 465 653 640 0 4296	735 465 653 640 0 4296	820 387 654 584 4230	111.6 83.2 100.2 91.3 98.5	799 1 373 8 648 9 575 8 4194 9 569 7	08.7 8 30.2 3 39.2 6 39.8 5 37.6 4 76.5 5	330 112.9 363 78.1 339 97.9 361 87.7 213 98.1	812 110.5 371 79.8 662 101.4 562 87.8 4243 98.8	786 106.9 365 78.5 698 106.9 544 85.0 4297 87.8	764 107.2 777 105.7 376 80.9 720 110.3 529 82.7 4335 88.5	811 113.7 746 101.5 412 88.6 730 111.8 518 80.9 4401 89.9	865 121.3 777 105.7 412 88.6 733 112.3 533 83.3 4486 91.6	903 126.6 766 104.2 424 91.2 802 122.8 545 85.2 4616 94.3	927 130.0 770 104.8 423 91.0 849 130.0 552 86.3 4689 95.8	938 131.6 758 103.1 422 90.8 898 137.5 576 90.0 4760 97.2
Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES	735 465 653 640 0 4296 744 543	735 465 653 640 0 4296 744 543	735 465 653 640 0 4296 744 543	735 465 653 640 0 4296 744 543	820 387 654 584 4230 561 393	111.6 83.2 100.2 91.3 98.5 75.4 72.4	799 1 373 8 648 9 575 8 4194 9 569 7 380 7	08.7 8 30.2 3 39.2 6 39.8 5 97.6 4 76.5 5 70.0 3	330 112.9 363 78.1 339 97.9 361 87.7 213 98.1 337 72.2 385 70.9	812 110.5 371 79.8 662 101.4 562 87.8 4243 98.8 535 71.9 397 73.1	786 106.9 365 78.5 698 106.9 544 85.0 4297 87.8 528 71.0 380 70.0	764 107.2 777 105.7 376 80.9 720 110.3 529 82.7 4335 88.5 533 71.6 368 67.8	811 113.7 746 101.5 412 88.6 730 111.8 518 80.9 4401 89.9 545 73.3 387 71.3	865 121.3 777 105.7 412 88.6 733 112.3 533 83.3 4486 91.6 543 73.0 391 72.0	903 126.6 766 104.2 424 91.2 802 122.8 545 85.2 4616 94.3 567 76.2 393 72.4	927 130.0 770 104.8 423 91.0 849 130.0 552 86.3 4689 95.8 603 81.0 396 72.9	938 131.6 758 103.1 422 90.8 898 137.5 576 90.0 4760 97.2 635 85.3 397 73.1
Guifford ES Harmond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES	735 465 653 640 0 4296 744 543 675	735 465 653 640 0 4296 744 543 675	735 465 653 640 0 4296 744 543 675	735 465 653 640 0 4296 744 543 675	820 387 654 584 4230 561 393 587	111.6 83.2 100.2 91.3 98.5 75.4 72.4 87.0	799 1 373 8 648 9 575 8 4194 9 569 7 380 7 585 8	08.7 8 30.2 3 39.2 6 39.8 5 97.6 4 76.5 5 70.0 3 36.7 5	112.9 130 112.9 133 139 97.9 161 87.7 213 98.1 1337 72.2 185 70.9 186 86.8	812 110.5 371 79.8 662 101.4 562 87.8 4243 98.8 535 71.9 397 73.1 583 86.4	786 106.9 365 78.5 698 106.9 544 85.0 4297 87.8 528 71.0 380 70.0 584 86.5	764 107.2 777 105.7 376 80.9 720 110.3 529 82.7 4335 88.5 533 71.6 368 67.8 581 86.1	811 113.7 746 101.5 412 88.6 730 111.8 518 80.9 4401 89.9 545 73.3 387 71.3 575 85.2	865 121.3 777 105.7 412 88.6 733 112.3 533 83.3 4486 91.6 543 73.0 391 72.0 570 84.4	903 126.6 766 104.2 424 91.2 802 122.8 545 85.2 4616 94.3 567 76.2 393 72.4 559 82.8	927 130.0 770 104.8 423 91.0 849 130.0 552 86.3 4689 95.8 603 81.0 396 72.9 548 81.2	938 131.6 758 103.1 422 90.8 898 137.5 576 90.0 4760 97.2 635 85.3 397 73.1 533 79.0
Guifford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES	735 465 653 640 0 4296 744 543 675 826	735 465 653 640 0 4296 744 543 675 826	735 465 653 640 0 4296 744 543 675 826	735 465 653 640 0 4296 744 543 675 826	820 387 654 584 4230 561 393 587 1016	111.6 83.2 100.2 91.3 98.5 75.4 72.4 87.0 123.0	799 1 373 8 648 9 575 8 4194 9 569 7 380 7 585 8 1059 1	08.7 8 30.2 3 39.2 6 39.8 5 77.6 4 76.5 5 76.5 5 36.7 5 28.2 1	112.9 163 78.1 139 97.9 161 87.7 213 98.1 137 72.2 185 70.9 186 86.8 100 133.2	812 110.5 371 79.8 662 101.4 562 101.4 87.8 88.4 397 73.1 583 86.4 1113 134.7	786 106.9 365 78.5 698 106.9 544 85.0 4297 87.8 528 71.0 380 70.0 584 86.5 1132 137.0	764 107.2 777 105.7 376 80.9 720 110.3 529 82.7 4335 88.5 533 71.6 368 67.8 531 86.1 1118 135.4	811 113.7 746 101.5 412 88.6 730 111.8 518 80.9 4401 89.9 545 73.3 387 71.3 575 85.2 1124 136.1	865 121.3 777 105.7 412 88.6 733 112.3 533 83.3 4486 91.6 543 73.0 391 72.0 570 84.4 1111 134.5	903 126.6 766 104.2 424 91.2 802 122.8 545 85.2 4616 94.3 567 76.2 393 72.4 559 82.8 1095 132.6	927 130.0 770 104.8 423 91.0 849 130.0 552 86.3 4689 95.8 603 81.0 396 72.9 548 81.2 1098 132.9	938 131.6 758 103.1 422 90.8 898 137.5 576 90.0 4760 97.2 635 85.3 397 73.1 533 79.0 1090 132.0
Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES	735 465 653 640 0 4296 744 543 675 826 527	735 465 653 640 0 4296 744 543 675 826 527	735 465 653 640 0 4296 744 543 675 826 527	735 465 653 640 0 4296 744 543 675 826 527	820 387 654 584 4230 561 393 587 1016 473	111.6 83.2 100.2 91.3 98.5 75.4 72.4 87.0 123.0 89.8	799 1 373 8 648 8 575 8 4194 9 569 7 380 7 585 8 1059 8 1059 8	08.7 8 30.2 3 39.2 6 39.8 5 77.6 4 76.5 5 70.0 5 36.7 5 28.2 1 31.7 5	330 112.9 163 78.1 339 97.9 161 87.7 213 98.1 337 72.2 185 70.9 186 86.8 100 133.2 307 96.2	812 110.5 371 79.8 662 101.4 562 87.8 4243 98.8 535 71.9 397 73.1 583 86.4 113 134.7 516 97.9	786 106.9 365 78.5 698 106.9 544 85.0 4297 87.8 528 71.0 380 70.0 584 86.5 1132 137.0 532 100.9	764 107.2 777 105.7 376 80.9 720 110.3 529 82.7 4335 88.5 533 71.6 368 67.8 581 86.1 11113 135.4 549 104.2	811 113.7 746 101.5 412 88.6 730 111.8 518 80.9 4401 89.9 545 73.3 387 71.3 575 85.2 1124 136.1 544 103.2	865 121.3 777 105.7 412 88.6 733 112.3 533 83.3 4486 91.6 543 73.0 391 72.0 570 84.4 1111 134.5 553 104.9	903 126.6 766 104.2 424 91.2 802 122.8 545 85.2 4616 94.3 567 76.2 393 72.4 559 82.8 1095 132.6 584 110.8	927 130.0 770 104.8 423 91.0 849 130.0 552 86.3 4689 95.8 603 81.0 396 72.9 548 81.2 1098 132.9 600 113.9	938 131.6 758 103.1 422 90.8 898 137.5 576 90.0 4760 97.2 635 85.3 397 73.1 533 79.0 1090 132.0 620 117.6
Guifford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES Lisbon ES Pointers Run ES	735 465 653 640 0 4296 744 543 675 826 527 744	735 465 653 640 0 4296 744 543 675 826 527 744	735 465 653 640 0 4296 744 543 675 826 527 744	735 465 653 640 0 4296 744 543 675 826 527 744	820 387 654 584 4230 561 393 587 1016 473 825	111.6 83.2 100.2 91.3 98.5 75.4 72.4 87.0 123.0 89.8 110.9	799 1 373 8 648 9 575 8 4194 9 569 7 380 7 585 8 1059 1 483 9 832 1	08.7 £ 30.2 3 39.2 6 39.8 5 77.6 4 76.5 £ 70.0 3 36.7 5 28.2 1 91.7 5 11.8 £	330 112.9 363 78.1 339 97.9 361 87.7 213 98.1 337 72.2 385 70.9 386 86.8 100 133.2 307 115.2	812 110.5 371 79.8 662 101.4 562 87.8 4243 98.8 535 71.9 397 73.1 583 86.4 1113 134.7 516 97.9 900 121.0	786 106.9 365 78.5 698 106.9 544 85.0 4297 87.8 87.9 87.8 87.8 8	764 107.2 777 105.7 376 80.9 720 110.3 529 82.7 4335 88.5 533 71.6 368 67.8 581 86.1 1118 135.4 549 104.2 945 127.0	811 113.7 746 101.5 412 88.6 730 111.8 518 80.9 4401 89.9 545 73.3 387 71.3 575 85.2 1124 136.1 544 103.2 952 128.0	865 121.3 777 105.7 412 88.6 733 112.3 533 83.3 4486 91.6 543 73.0 391 72.0 570 84.4 1111 134.5 553 104.9 947 127.3	903 126.6 766 104.2 424 91.2 802 122.8 545 85.2 4616 94.3 567 76.2 393 72.4 509 132.6 584 110.8 925 122.3	927 130.0 770 104.8 423 91.0 849 130.0 552 86.3 4689 95.8 603 81.0 396 72.9 548 81.2 1098 132.9 600 113.9 894 120.2	938 131.6 758 103.1 422 90.8 898 137.5 576 90.0 4760 97.2 635 85.3 397 73.1 533 79.0 1090 132.0 620 117.6 862 115.9
Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES Pointers Run ES Triadelphia Ridge ES	735 465 653 640 0 4296 744 543 675 826 527 744 581	735 465 653 640 0 4296 744 543 675 826 527 744 581	735 465 653 640 0 4296 744 543 675 826 527 744 581	735 465 653 640 0 4296 744 543 675 826 527 744 581	820 387 654 584 4230 561 393 587 1016 473 825 572	111.6 83.2 100.2 91.3 98.5 75.4 72.4 87.0 123.0 89.8 110.9 98.5	799 1 373 6 648 575 6 4194 6 569 7 380 7 585 8 1059 1 483 9 832 9 577 6	08.7 8 30.2 3 39.9 5 30.8 5 30.6 4 76.5 5 70.0 3 36.7 5 28.2 1 31.7 5 11.8 8	330 112.9 163 78.1 339 97.9 161 87.7 213 98.1 337 72.2 1885 70.9 886 86.8 100 133.2 1357 115.2 115.2 100.3	812 110.5 311 79.8 662 101.4 562 87.8 4243 98.8 535 71.9 397 73.1 583 864 1113 134.7 516 97.9 900 121.0 603 103.8	786 106.9 365 78.5 698 106.9 544 85.0 4297 87.8 87.8 71.0 380 70.0 584 86.5 1132 137.0 532 100.9 919 123.5 636 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363	764 107.2 777 105.7 376 80.9 720 110.3 529 82.7 4335 88.5 533 71.6 368 67.8 581 86.1 1118 135.4 549 104.2 945 127.0 646 111.2	811 113.7 746 101.5 412 88.6 730 111.8 518 80.9 4401 89.9 545 73.3 387 71.3 575 85.2 1124 136.1 544 103.2 952 128.0 666 114.6	865 121.3 777 105.7 412 88.6 733 112.3 533 83.3 4486 91.6 543 73.0 391 72.0 570 84.4 1111 134.5 553 104.9 947 127.3 690 118.8	903 126.6 766 104.2 424 91.2 802 122.8 545 85.2 4616 94.3 567 76.2 393 72.4 559 82.8 1095 132.6 584 110.8 925 124.3 677 116.5	927 130.0 770 104.8 423 91.0 849 130.0 552 86.3 4689 95.8 603 81.0 396 72.9 548 81.2 1098 132.9 600 113.9 894 120.2 658 113.3	938 131.6 758 103.1 422 90.8 898 137.5 576 90.0 4760 97.2 635 85.3 397 73.1 533 79.0 1090 132.0 620 117.6 862 115.9 633 109.0
Guifford ES Harmond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES Pointers Run ES Triadelphia Ridge ES West Friendship ES	735 465 653 640 0 4296 744 543 675 826 527 744 581 414	735 465 653 640 0 4296 744 543 675 826 527 744 581 414	735 465 653 640 0 4296 744 543 675 826 527 744 581 414	735 465 653 640 0 4296 744 543 675 826 527 744 581 414	820 387 654 584 4230 561 393 587 1016 473 825 572 386	111.6 83.2 100.2 91.3 98.5 75.4 72.4 87.0 123.0 89.8 110.9 98.5 93.2	799 1 373 6 648 575 4194 9 569 7 380 7 585 8 1059 1 4832 1 577 409	08.7 £ 30.2 3 399.2 6 39.8 5 77.6 4 76.5 £ 70.0 3 36.7 5 28.2 1 91.7 5 11.8 £ 99.3 5 38.8 4	112.9 112.9 163 78.1 339 361 87.7 213 98.1 337 72.2 885 86.8 808 809 957 115.2 883 100.3 101.2	812 110.5 371 79.8 662 101.4 562 87.8 4243 98.8 535 71.9 397 73.1 583 86.4 1113 134.7 516 97.9 900 121.0 603 103.8 435 105.1	786 106.9 365 78.5 698 106.9 544 85.0 4297 87.8 8	764 107.2 777 105.7 376 80.9 720 110.3 529 82.7 4335 88.5 533 71.6 368 67.8 581 86.1 11118 135.4 549 104.2 945 127.0 646 111.2 501 121.0	811 113.7 746 101.5 412 88.6 730 111.8 518 80.9 4401 89.9 545 73.3 387 71.3 575 85.2 1124 136.1 545 73.3 80.9 9	865 121.3 777 105.7 412 88.6 733 112.3 533 83.3 4486 91.6 543 73.0 391 72.0 570 84.4 1111 134.5 553 104.9 947 127.3 690 118.8 540 130.4	903 126.6 766 104.2 424 91.2 802 122.8 545 85.2 4616 94.3 567 76.2 393 72.4 559 82.8 1095 132.6 584 110.8 925 124.3 677 116.5 547 132.1	927 130.0 770 104.8 423 91.0 849 130.0 552 86.3 4689 95.8 603 81.0 396 72.9 548 81.2 1098 132.9 600 113.9 884 120.2 658 113.3 558 134.8	938 131.6 758 103.1 422 90.8 898 137.5 576 90.0 4760 97.2 635 85.3 397 73.1 533 79.0 1090 132.0 620 117.6 862 115.9 633 109.0 572 138.2
Guilford ES Hammond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES Pointers Run ES Triadelphia Ridge ES	735 465 653 640 0 4296 744 543 675 826 527 744 581	735 465 653 640 0 4296 744 543 675 826 527 744 581	735 465 653 640 0 4296 744 543 675 826 527 744 581	735 465 653 640 0 4296 744 543 675 826 527 744 581	820 387 654 584 4230 561 393 587 1016 473 825 572	111.6 83.2 100.2 91.3 98.5 75.4 72.4 87.0 123.0 89.8 110.9 98.5	799 1 373 6 648 575 4194 9 569 7 380 7 585 8 1059 1 4832 1 577 409	08.7 £ 30.2 3 399.2 6 39.8 5 77.6 4 76.5 5 70.0 3 36.7 5 28.2 1 91.7 5 11.8 5 99.3 6 28.8 4	330 112.9 163 78.1 339 97.9 161 87.7 213 98.1 337 72.2 1885 70.9 886 86.8 100 133.2 1357 115.2 115.2 100.3	812 110.5 311 79.8 662 101.4 562 87.8 4243 98.8 535 71.9 397 73.1 583 864 1113 134.7 516 97.9 900 121.0 603 103.8	786 106.9 365 78.5 698 106.9 544 85.0 4297 87.8 87.8 71.0 380 70.0 584 86.5 1132 137.0 532 100.9 919 123.5 636 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363 109.5 363	764 107.2 777 105.7 376 80.9 720 110.3 529 82.7 4335 88.5 533 71.6 368 67.8 581 86.1 1118 135.4 549 104.2 945 127.0 646 111.2	811 113.7 746 101.5 412 88.6 730 111.8 518 80.9 4401 89.9 545 73.3 387 71.3 575 85.2 1124 136.1 544 103.2 952 128.0 666 114.6	865 121.3 777 105.7 412 88.6 733 112.3 533 83.3 4486 91.6 543 73.0 391 72.0 570 84.4 1111 134.5 553 104.9 947 127.3 690 118.8	903 126.6 766 104.2 424 91.2 802 122.8 545 85.2 4616 94.3 567 76.2 393 72.4 559 82.8 1095 132.6 584 110.8 925 124.3 677 116.5	927 130.0 770 104.8 423 91.0 849 130.0 552 86.3 4689 95.8 603 81.0 396 72.9 548 81.2 1098 132.9 600 113.9 894 120.2 658 113.3	938 131.6 758 103.1 422 90.8 898 137.5 576 90.0 4760 97.2 635 85.3 397 73.1 533 79.0 1090 132.0 620 117.6 862 115.9 633 109.0
Guifford ES Harmond ES Laurel Woods ES New ES #43 NS Region Totals Western Bushy Park ES Clarksville ES Dayton Oaks ES Fulton ES Lisbon ES Pointers Run ES Triadelphia Ridge ES West Friendship ES	735 465 653 640 0 4296 744 543 675 826 527 744 581 414	735 465 653 640 0 4296 744 543 675 826 527 744 581 414	735 465 653 640 0 4296 744 543 675 826 527 744 581 414	735 465 653 640 0 4296 744 543 675 826 527 744 581 414	820 387 654 584 4230 561 393 587 1016 473 825 572 386	111.6 83.2 100.2 91.3 98.5 75.4 72.4 87.0 123.0 89.8 110.9 98.5 93.2	799 1 373 6 648 575 4194 5 569 7 380 7 585 8 1059 1 483 9 832 1 577 9 4894 5	08.7 8 30.2 3 39.2 3 39.3 5 77.6 4 76.5 5 70.0 3 36.7 5 28.2 1 91.7 5 11.8 8 39.3 5 38.8 4 38.8 4	112.9 112.9 163 78.1 339 361 87.7 213 98.1 337 72.2 885 86.8 808 809 957 115.2 883 100.3 101.2	812 110.5 371 79.8 662 101.4 562 87.8 4243 98.8 535 71.9 397 73.1 583 86.4 1113 134.7 516 97.9 900 121.0 603 103.8 435 105.1	786 106.9 365 78.5 698 106.9 544 85.0 4297 87.8 8	764 107.2 777 105.7 376 80.9 720 110.3 529 82.7 4335 88.5 533 71.6 368 67.8 581 86.1 11118 135.4 549 104.2 945 127.0 646 111.2 501 121.0	811 113.7 746 101.5 412 88.6 730 111.8 518 80.9 4401 89.9 545 73.3 387 71.3 575 85.2 1124 136.1 545 73.3 80.9 9	865 121.3 777 105.7 412 88.6 733 112.3 533 83.3 4486 91.6 543 73.0 391 72.0 570 84.4 1111 134.5 553 104.9 947 127.3 690 118.8 540 130.4	903 126.6 766 104.2 424 91.2 802 122.8 545 85.2 4616 94.3 567 76.2 393 72.4 559 82.8 1095 132.6 584 110.8 925 124.3 677 116.5 547 132.1	927 130.0 770 104.8 423 91.0 849 130.0 552 86.3 4689 95.8 603 81.0 396 72.9 548 81.2 1098 132.9 600 113.9 884 120.2 658 113.3 558 134.8	938 131.6 758 103.1 422 90.8 898 137.5 576 90.0 4760 97.2 635 85.3 397 73.1 533 79.0 1090 132.0 620 117.6 862 115.9 633 109.0 572 138.2

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Pre-Measures

MIDDLE SCHOOLS - Data for Demonstrative Purposes Only Capacity Utilization Rates with Board of Education's Approved FY 2019 Capital Budget Projects - Not Test for APFO

Chart reflects May 2018 Projections, Board of Education's EY 2019 approved capacities, and no redistricting

Chart reflects May 20	ects May 2018 Projections, Board of Education's FY 2019 approved capacitie					,	Ŭ										
		Cap	oacity		20)19-20	2020-	21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Columbia - East	2019			2022	Proj	% Util.			Proj % Util.	Proj % Util.	Proj % Util.	Proj % Util.	Proj % Util.	Proj % Util.	Proj % Util.	Proj % Util.	Proj % Util.
Lake Elkhorn MS	643	643	643	643	596	92.7			586 <u>91</u> .1	596 92.7	564 87.7	567 88.2	543 <mark>84.4</mark>	557 <u>86.6</u>	552 85.8	557 <u>86.6</u>	564 87.7
Oakland Mills MS	506	506	506	506	510	100.8			493 <mark>97.4</mark>	497 98.2	515 101.8	514 101.6	518 102.4	524 103.6	502 99.2	503 99.4	500 98.8
Region MS Totals	1149	1149	1149	1149	1106	96.3	1097 9	5.5 1	1079 <u>93.9</u>	1093 95.1	1079 93.9	1081 94.1	1061 92.3	1081 94.1	1054 <u>91.7</u>	1060 92.3	1064 92.6
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Columbia - West																	
Harpers Choice MS	506	506	506	506	552	109.1	539 10	6.5	533 105.3	509 100.6	522 103.2	506 100.0	512 101.2	500 <u>98.8</u>	505 <u>99.8</u>	514 101.6	515 101.8
Wilde Lake MS	760	760	760	760	643	84.6	644 8	4.7	653 <u>85.9</u>	695 91.4	749 98.6	815 107.2	867 114.1	882 116.1	919 120.9	948 124.7	1005 132.2
Region MS Totals	1266	1266	1266	1266	1195	94.4	1183 9	3.4 1	1186 <u>93.7</u>	1204 95.1	1271 100.4	1321 104.3	1379 108.9	1382 109.2	1424 112.5	1462 115.5	1520 120.1
Northeastern																	
Bonnie Branch MS	701	701	701	701	816	116.4	814 1 1	6.1	795 113.4	787 112.3	805 114.8	796 113.6	774 110.4	775 110.6	793 113.1	821 117.1	836 119.3
Elkridge Landing MS	779	779	779	779	726	93.2	696 8	9.3	692 <u>88.8</u>	711 91.3	733 94.1	728 93.5	707 90.8	720 92.4	758 97.3	794 101.9	814 104.5
Ellicott Mills MS	A 701	701	701	701	913	130.2	900 12	28.4	884 126.1	846 120.7	844 120.4	810 94.5	811 94.6	811 94.6	805 93.9	816 95.2	847 98.8
Mayfield Woods MS	798	798	798	798	807	101.1	817 10)2.4	825 103.4	807 101.1	821 102.9	860 107.8	888 111.3	919 115.2	947 118.7	980 122.8	994 124.6
New MS #21	NS O	0	0	0													
Thomas Viaduct MS	701	701	701	701	820	117.0	904 12	29.0	880 125.5	883 126.0	863 123.1	915 130.5	964 137.5	1040 148.4	1085 154.8	1118 1 <u>59.5</u>	1124 160.3
Region MS Totals	3680	3680	3680	3680	4082	110.9	4131 11	2.3 4	1076 110.8	4034 109.6	4066 110.5	4109 107.1	4144 108.0	4265 111.2	4388 114.4	4529 118.1	4615 120.3
Northern																	
Burleigh Manor MS	779	779	779	779	771	99.0	778 9	9.9	762 97.8	770 98.8	757 97.2	769 98.7	777 99.7	786 100.9	780 100.1	776 99.6	784 100.6
Dunloggin MS	A 565	565	565	565	647	114.5	650 11	5.0	668 118.2	675 119.5	670 118.6	658 99.4	658 99.4	668 100.9	676 102.1	676 102.1	700 105.7
Patapsco MS	643	643	643	643	724	112.6	718 11	1.7	712 110.7	714 111.0	716 111.4	705 109.6	712 110.7	721 112.1	741 11 <u>5.2</u>	745 115.9	757 117.7
Region MS Totals	1987	1987	1987	1987	2142	107.8	2146 10	08.0	2142 107.8	2159 108.7	2143 107.9	2132 102.3	2147 103.0	2175 104.4	2197 105.4	2197 105.4	2241 107.5
Southeastern																	
Hammond MS	604	604	604	604	565	93.5	600 9	9.3	587 <u>97.2</u>	631 104.5	633 104.8	659 109.1	665 110.1	690 114.2	694 114.9	705 116.7	719 119.0
Murray Hill MS	662	662	662	662	748	113.0	783 11	8.3	777 117.4	748 113.0	774 116.9	800 120.8	822 124.2	775 117.1	758 114.5	724 109.4	741 111.9
Patuxent Valley MS	760	760	760	760	675	88.8	701 9	2.2	692 <u>91</u> .1	689 90.7	656 86.3	664 87.4	639 <mark>84</mark> .1	681 89.6	677 89.1	713 93.8	716 94.2
Region MS Totals	2026	2026	2026	2026	1988	98.1	2084 10)2.9 2	2056 101.5	2068 102.1	2063 101.8	2123 104.8	2126 104.9	2146 105.9	2129 105.1	2142 105.7	2176 107.4
_																	
Western																	
Clarksville MS	643	643	643	643	695	108.1	686 10	6.7	665 103.4	630 98.0	633 <u>98.4</u>	644 100.2	642 99.8	620 96.4	631 <u>98</u> .1	664 103.3	684 106.4
Folly Quarter MS	662	662	662	662	674	101.8	653 9	8.6	658 <mark>99.4</mark>	651 98.3	651 98.3	645 97.4	654 <u>98.8</u>	655 <u>98.9</u>	660 99.7	668 100.9	683 103.2
Glenwood MS	545	545	545	545	507	93.0	517 9	4.9	512 <u>93.9</u>	485 89.0	487 89.4	469 86.1	479 87.9	499 91.6	526 96.5	546 100.2	560 102.8
Lime Kiln MS	701	701	701	701	641	91.4	651 9	2.9	638 <u>91.0</u>	680 97.0	701 100.0	731 104.3	729 104.0	739 105.4	752 107.3	763 108.8	767 109.4
Mount View MS	798	798	798	798	834	104.5	803 10	0.6	813 101.9	828 103.8	821 102.9	796 99.7	793 99.4	838 105.0	898 112.5	919 115.2	938 117.5
Region MS Totals	3349	3349	3349	3349	3351	100.1	3310 9	8.8 3	3286 <u>98</u> .1	3274 97.8	3293 98.3	3285 98.1	3297 98.4	3351 100.1	3467 103.5	3560 106.3	3632 108.5
Countywide Totals	13457	' 13457	' 13457	13457	13864	103.0	13951 10)3.7 1	3825 102.7	13832 102.8	13915 103.4	14051 102.5	14154 103.2	14400 105.0	14659 106.9	14950 109.0	15248 111.2

A includes additions as reflected in FY 2019 CIP for grades 6-8 'NS' New School proposed in FY 2019 Capital Budget

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. B lue is under target utilization, green is within target utilization and red is over target utilization.

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Post-Measures Aggregate Plan

MIDDLE SCHOOLS - Data for Demonstrative Purposes Only Capacity Utilization Rates with Proposed FY 2020 Capital Budget Projects - Not Test for APFO

Chart reflects May 2018 Projections, potential FY 2020 requested capacities and no redistricting.																										
			oacity			019-20	-	20-21	-	21-22		22-23	-	23-24	-	24-25	-	25-26	-	26-27		27-28	-	28-29		29-30
Columbia - East	201	2020	2021	2022	Proj	% Util.	Proj 🕈	6 Util.	Proj	% Util.																
Lake Elkhorn MS	643	643	643	643	596	92.7	599	93.2	586	91.1	596	92.7	564	87.7	567	88.2	543	84.4	557	86.6	552	85.8	557	86.6	564	87.7
Oakland Mills MS	506	506	506	506	510	100.8	498	98.4	493	97.4	497	98.2	515	101.8	514	101.6	518	102.4	524	103.6	502	99.2	503	99.4	500	98.8
Region MS Totals	1149	9 1149	1149	1149	1106	96.3	1097	95.5	1079	93.9	1093	95.1	1079	93.9	1081	94.1	1061	92.3	1081	94.1	1054	91.7	1060	92.3	1064	92.6
Columbia - West																										
Harpers Choice MS	506	506	506	506	552	109.1	539	106.5	533	105.3	509	100.6	522	103.2	506	100.0	512	101.2	500	98.8	505	99.8	514	101.6	515	101.8
Wilde Lake MS	760	760	760	760	643	84.6		84.7	653	85.9	695	91.4	749	98.6	815	107.2	867	114.1	882	116.1	919	120.9	948	124.7		132.2
Region MS Totals	126			1266	1195	94.4		93.4	1186	93.7	1204	95.1	1271	100.4	1321	104.3	1379	108.9	1382	109.2	1424	112.5	1462	115.5		120.1
region no rotalo	120	1200	1200	1200	1100	04.4	1100	00.4	1100	00.1	1204	00.1	1271	100.4	1021	104.0	1070	100.0	1002	100.2	1444	112.0	1402	110.0	1020	120.1
Northeastern																										
Bonnie Branch MS	701	701	701	701	816	116.4		116.1	795	113.4	787	112.3	805	114.8	796	113.6	774	110.4	775	110.6	793	113.1	821	117.1		119.3
Elkridge Landing MS	779		779	779	726	93.2		89.3	692	88.8	711	91.3	733	94.1	728	93.5	707	90.8	720	92.4	758	97.3	794	101.9		104.5
Ellicott Mills MS	A 701	701	701	701	913	130.2		128.4	884	126.1	846	120.7	844	98.5	810	94.5	811	94.6	811	94.6	805	93.9	816	95.2	847	98.8
Mayfield Woods MS	798		798	798	807	101.1	817	102.4	825	103.4	807	101.1	821	102.9	860	107.8	888	111.3	919	115.2	947	118.7	980	122.8	994	124.6
New MS #21	NS 0	0	0	0																						
Thomas Viaduct MS	701	701	701	701	820	117.0		129.0	880	125.5	883	126.0	863	123.1	915	130.5	964	137.5	1040	148.4	1085	154.8		159.5		160.3
Region MS Totals	368) 3680	3680	3680	4082	110.9	4131	112.3	4076	110.8	4034	109.6	4066	106.0	4109	107.1	4144	108.0	4265	111.2	4388	114.4	4529	118.1	4615	120.3
Northern																										
Burleigh Manor MS	779	779	779	779	771	99.0	778	99.9	762	97.8	770	98.8	757	97.2	769	98.7	777	99.7	786	100.9	780	100.1	776	99.6	784	100.6
Dunloggin MS	A 565	565	565	565	647	114.5	650	115.0	668	118.2	675	119.5	670	118.6	658	99.4	658	99.4	668	100.9	676	102.1	676	102.1	700	105.7
Patapsco MS	643	643	643	643	724	112.6	718	111.7	712	110.7	714	111.0	716	111.4	705	109.6	712	110.7	721	112.1	741	115.2	745	115.9	757	117.7
Region MS Totals	198	7 1987	1987	1987	2142	107.8	2146	108.0	2142	107.8	2159	108.7	2143	107.9	2132	102.3	2147	103.0	2175	104.4	2197	105.4	2197	105.4	2241	107.5
Southeastern																										
Hammond MS	604	604	604	604	565	93.5	600	99.3	587	97.2	631	104.5	633	104.8	659	109.1	665	110.1	690	114.2	694	114.9	705	116.7	719	119.0
Murray Hill MS	662		662	662	748	113.0		118.3		117.4	748	113.0		116.9	800	120.8	822	124.2	775	117.1	758	114.5	724	109.4		111.9
Patuxent Valley MS	760	760	760	760	675	88.8		92.2	692	91.1	689	90.7	656	86.3	664	87.4	639	84.1	681	89.6	677	89.1	713	93.8	716	94.2
Region MS Totals	2020			2026	1988	98.1		102.9		101.5	2068	102.1	2063	101.8	2123	104.8	2126	104.9	2146	105.9	2129	105.1		105.7		107.4
Region MS Totals	2020	2020	2020	2020	1900	30.1	2004	102.9	2030	101.5	2000	102.1	2003	101.0	2125	104.0	2120	104.9	2140	105.5	2129	105.1	2142	105.7	2170	107.4
Western																										
Clarksville MS	643		643	643	695	108.1		106.7	665	103.4	630	98.0	633	98.4	644	100.2	642	99.8	620	96.4	631	98.1	664	103.3		106.4
Folly Quarter MS	662		662	662	674	101.8		98.6	658	99.4	651	98.3	651	98.3	645	97.4	654	98.8	655	98.9	660	99.7	668	100.9		103.2
Glenwood MS	545	545	545	545	507	93.0	517	94.9	512	93.9	485	89.0	487	89.4	469	86.1	479	87.9	499	91.6	526	96.5	546	100.2	560	102.8
Lime Kiln MS	701	701	701	701	641	91.4	651	92.9	638	91.0	680	97.0	701	100.0	731	104.3	729	104.0	739	105.4	752	107.3	763	108.8	767	109.4
Mount View MS	798	798	798	798	834	104.5	803	100.6	813	101.9	828	103.8	821	102.9	796	99.7	793	99.4	838	105.0	898	112.5	919	115.2	938	117.5
Region MS Totals	3349	3349	3349	3349	3351	100.1	3310	98.8	3286	98.1	3274	97.8	3293	98.3	3285	98.1	3297	98.4	3351	100.1	3467	103.5	3560	106.3	3632	108.5
Countywide Totals	1345	7 13457	7 13457	13457	13864	103.0	13951	103.7	13825	102.7	13832	102.8	13915	102.2	14051	102.5	14154	103.2	14400	105.0	14659	106.9	14950	109.0	15248	111.2
A' includes additions as																								-		

Vi includes additions as reflected in FY 2020 CIP for grades 6-8 Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

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Pre-Measures				-									monst		•											
	Capacity Utilization Rates with Board of Education's Approved FY 2019 Capital Budget Projects - Not Test for APFO Chart reflects May 2018 Projections, Board of Education's FY 2019 approved capacities, and no redistricting.																									
Chart reflects May 2	018 Projectio			ication's		19 approv 19-20		cities, and 20-21		stricting. 21-22	20	22-23	207	23-24	20/	24-25	201	25-26	20/	26-27	20	27-28	201	28-29	201	29-30
Oslumbia Esst	0040		Dacity	0000	-									-												
Columbia - East Oakland Mills HS	2019 1400		2021 1400	2022 1400	1248	% Util. 89.1	1260	% Util. 90.0	1319	% Util. 94.2	1361	% Util. 97.2	Proj 1379	% Util. 98.5	1383	% Util. 98.8	1382	% Util. 98.7	1362	% Util. 97.3	1377	% Util. 98.4	1377	% Util.	1363	% Util. 97.4
	1400	1400	1400	1-100	1210	00.1	1200	00.0	1010	01.2	1001	01.2	1010	00.0	1000	00.0	1002	00.1	1002	01.0	1011	00.4	1011	00.1	1000	01.4
Columbia - West																										
Wilde Lake HS	1424	1424	1424	1424	1350	94.8	1380	96.9	1376	96.6	1381	97.0	1399	98.2	1382	97.1	1386	97.3	1429	100.4	1444	101.4	1482	104.1	1523	107.0
					r																					
Northeastern	4 4 9 9	4 4 6 6	4 4 9 9	4 4 9 9	4070	400.0	4070	400.0	0047	440.0	00.47		0075		0000	440.0	0000	4 47 0	0075		0004	440.0	0000		0000	445.0
Howard HS	1420		1420	1420	1972	138.9	1973	138.9	2017	142.0	2047	144.2	2075	146.1	2086	146.9	2090	147.2	2075	146.1	2084	146.8	2066	145.5	2062	145.2
Long Reach HS	1488	1488 0	1488 0	1488 0	1673	112.4	1778	119.5	1919	129.0	2056	138.2	2133	143.3	2126	142.9	2147	144.3	2123	142.7	2166	145.6	2270	152.6	2364	158.9
New HS #13 Region HS Totals	<u>NS</u> 0 2908	<u> </u>	2908	2908	3645	125.3	3751	129.0	3936	135.4	4103	141 1	4208	93.0	4212	93.1	4237	93.7	4198	92.8	4250	94.0	4336	95.9	4426	97.9
Region no rotais	2300	2300	2900	2300	3043	120.0	5751	129.0	3930	155.4	4105	141.1	4200	33.0	4212	33.1	4237	33.1	4130	92.0	4230	34.0	4000	33.3	4420	31.3
Northern																										
Centennial HS	1360	1360	1360	1360	1745	128.3	1765	129.8	1782	131.0	1782	131.0	1772	130.3	1775	130.5	1766	129.9	1755	129.0	1743	128.2	1742	128.1	1736	127.6
Marriotts Ridge HS	1615	1615	1615	1615	1425	88.2	1476	91.4	1499	92.8	1518	94.0	1499	92.8	1491	92.3	1503	93.1	1475	91.3	1462	90.5	1452	89.9	1453	90.0
Mt Hebron HS	1400	1400	1400	1400	1605	114.6	1601	114.4	1687	120.5	1701	121.5	1679	119.9	1694	121.0	1674	119.6	1659	118.5	1659	118.5	1656	118.3	1649	117.8
Region HS Totals	4375	4375	4375	4375	4775	109.1	4842	110.7	4968	113.6	5001	114.3	4950	113.1	4960	113.4	4943	113.0	4889	111.7	4864	111.2	4850	110.9	4838	110.6
0																										
Southeastern Hammond HS	1220	1220	1220	1220	1376	112.8	1402	114.9	1471	120.6	1517	124.3	1585	111.6	1634	115.1	1654	116.5	1621	114.2	1648	116.1	1675	118.0	1689	118.9
Tianinonu 115	1220	1220	1220	1220	1370	112.0	1402	114.3	1471	120.0	1317	124.0	1303	111.0	1034	113.1	1034	110.5	1021	114.2	1040	110.1	1075	110.0	1009	110.9
Western																										
Atholton HS	1460	1460	1460	1460	1526	104.5	1561	106.9	1572	107.7	1604	109.9	1654	113.3	1637	112.1	1647	112.8	1683	115.3	1705	116.8	1769	121.2	1804	123.6
Glenelg HS	1420	1420	1420	1420	1178	83.0	1140	80.3	1162	81.8	1147	80.8	1155	81.3	1161	81.8	1135	79.9	1122	79.0	1122	79.0	1135	79.9	1175	82.7
Reservoir HS	1551	1551	1551	1551	1626	104.8	1715	110.6	1745	112.5	1786	115.2	1836	118.4	1850	119.3	1874	120.8	1914	123.4	1925	124.1	1973	127.2	1972	127.1
River Hill HS	1466	1466	1466	1466	1397	95.3	1432	97.7	1455	99.2	1419	96.8	1454	99.2	1423	97.1	1407	96.0	1412	96.3	1411	96.2	1411	96.2	1424	97.1
Region HS Totals	5897	5897	5897	5897	5727	97.1	5848	99.2	5934	100.6	5956	101.0	6099	103.4	6071	103.0	6063	102.8	6131	104.0	6163	104.5	6288	106.6	6375	108.1
Countywide Totals	s 17224	17224	17224	17224	18121	105.2	18483	107.3	19004	110.3	19319	112.2	19620	103.1	19642	103.2	19665	103.3	19630	103.1	19746	103.7	20008	105.1	20214	106.2
'NC' New Cohool pro		0040.0		4 4							-		-						-		-					

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Post-Measures											SCHOO															
Aggregate Plan				(0000 -						tion Rat	tes with	Propos	ed FY 2	2020 Ca	apital B	udget P	rojects -	Not Te	st for A	PFO						
Chart reflects May 2	y 2018 Projections, potential FY 2020 (Capacity				19-20		0 redistric 20-21		21-22	20	22-23	20	2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		29-30	
Columbia - East	2019			2022	Proi	% Util.	-	% Util.	-	% Util.	Proi	% Util.	-	% Util.	Proi	% Util.	-	% Util.	-	% Util.		% Util.	Proj	% Util.	-	% Util.
Oakland Mills HS	1400	1400	1400	1400	1248	89.1	1260	90.0	1319	94.2	1361	97.2	1379	98.5	1383	98.8	1382	98.7	1362		1377		1377	98.4	1363	97.4
Columbia - West																										
Wilde Lake HS	1424	1424	1424	1424	1350	94.8	1380	96.9	1376	96.6	1381	97.0	1399	98.2	1382	97.1	1386	97.3	1429	100.4	1444	101.4	1482	104.1	1523	107.0
Northeastern																										
Howard HS	1420	1420	1420	1420	1972	138.9	1973	138.9	2017	142.0	2047	144.2	2075	146.1	2086	146.9	2090	147.2	2075	146.1	2084	146.8	2066	145.5	2062	145.2
Long Reach HS	1488	1488	1488	1488	1673	112.4	1778	119.5	1919	129.0	2056	138.2	2133	143.3	2126	142.9	2147	144.3	2123	142.7	2166	145.6	2270	152.6	2364	158.9
New HS #13	NS 0	0	0	0	00.15	105.0	0754	400.0		105.1	1100		1000		10.10	00.4	1007	~~~~	1100		1050		1000	05.0		07.0
Region HS Totals	2908	2908	2908	2908	3645	125.3	3751	129.0	3936	135.4	4103	141.1	4208	144.7	4212	93.1	4237	93.7	4198	92.8	4250	94.0	4336	95.9	4426	97.9
Northern																										
Centennial HS	1360	1360	1360	1360	1745	128.3	1765	129.8	1782	131.0	1782	131.0	1772	130.3	1775	130.5	1766	129.9	1755	129.0	1743		1742	128.1	1736	127.6
Marriotts Ridge HS	1615	1615	1615	1615	1425	88.2	1476	91.4	1499	92.8	1518	94.0	1499	92.8	1491	92.3	1503	93.1	1475	91.3	1462		1452	89.9	1453	90.0
Mt Hebron HS	1400	1400	1400	1400	1605	114.6	1601	114.4	1687	120.5	1701	121.5	1679	119.9	1694	121.0	1674	119.6	1659	118.5	1659		1656	118.3	1649	117.8
Region HS Totals	4375	4375	4375	4375	4775	109.1	4842	110.7	4968	113.6	5001	114.3	4950	113.1	4960	113.4	4943	113.0	4889	111.7	4864	111.2	4850	110.9	4838	110.6
Southeastern																										
Hammond HS	1220	1220	1220	1220	1376	112.8	1402	114.9	1471	120.6	1517	124.3	1585	129.9	1634	115.1	1654	116.5	1621	114.2	1648	116.1	1675	118.0	1689	118.9
Western																										
Atholton HS	1460	1460	1460	1460	1526	104.5	1561	106.9	1572	107.7	1604	109.9	1654	113.3	1637	112.1	1647	112.8	1683	115.3	1705		1769	121.2	1804	123.6
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Reservoir HS	1551	1551	1551	1551	1626	104.8	1715	110.6	1745	112.5	1786	115.2	1836	118.4	1850	119.3	1874	120.8	1914	123.4	1925		1973	127.2	1972	127.1
River Hill HS	1466	1466	1466	1466	1397	95.3	1432	97.7	1455	99.2	1419	96.8	1454	99.2	1423	97.1	1407	96.0	1412	96.3	1411	96.2	1411	96.2	1424	97.1
Region HS Totals	5897	5897	5897	5897	5727	97.1	5848	99.2	5934	100.6	5956	101.0	6099	103.4	6071	103.0	6063	102.8	6131	104.0	6163		6288	106.6	6375	108.1
Countywide Totals	17224	17224	17224	17224	18121	105.2	18483	107.3	19004	110.3	19319	112.2	19620	113.9	19642	103.2	19665	103.3	19630	103.1	19746	; 103.7	20008	105.1	20214	106.2

NS' New School proposed in FY 2020 Capital Budget Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

Howard County Public School System

Feasibility Study: An Annual Review of Long-Term Capital Planning and Attendance Area Adjustment Options

Section 6



June 2017



POLICY 6010 SCHOOL ATTENDANCE AREAS

BOARD OF EDUCATION

Effective: January 26, 2017

I. Policy Statement

The Board of Education of Howard County, with the advice of the Superintendent, establishes school attendance areas to provide quality, equitable educational opportunities to all students and to balance the capacity utilization of all schools. The Board recognizes that school openings, closings, additions, program changes, population growth and other demographic changes may require that school attendance areas be adjusted. The Board also recognizes the value of diverse and inclusive school populations when establishing attendance areas. The Board believes that staff analyses and recommendations, as well as public advice and comment, are integral to its deliberations and decisions related to school attendance areas.

II. Purpose

The purpose of this policy is to define the conditions and process by which school attendance area adjustments will be developed and adopted.

III. Definitions

Within the context of this policy, the following definitions apply:

- A. Attendance Area Committee (AAC) Committee comprised of community members appointed by the Superintendent and approved by the Board, to advise and comment on capacity needs and attendance area adjustment recommendations developed by staff.
- B. Continuity of Operations Plan (COOP) Procedures to ensure that capability exists to continue essential functions during and after an extended emergency.
- C. Demographic Characteristics Features in the composition of a school's population that includes, but is not limited to the racial/ethnic composition of a school's student population, as well as the percentage of students participating in Free and Reduced-Priced Meals (FARMS) and English for Speakers of Other Languages (ESOL) programs.
- D. Diversity The sum of the ways that people are both alike and different. The dimensions of diversity include race, ethnicity, and socioeconomic condition.
- E. Extended Emergency A severe or long-term situation that affects an individual school, multiple schools, or the entire school system. An extended emergency is normally one in which the Howard County Public School System (HCPSS) Continuity

of Operations Plan (COOP), the HCPSS Emergency Operations Plan (EOP) or the Howard County Emergency Operations Plan is activated.

- F. Equitable Just or fair; different from equal in that equality connotes equal treatment, which may be insufficient for equitable access and outcomes.
- G. Feed The flow of students from one school level to the next.
- H. Free and Reduced-Priced Meals (FARMS) A federal program available to students whose households meet the federal income eligibility guidelines to receive free or reduced-priced meals.
- I. HCPSS Emergency Operations Plan (EOP) A multi-hazard approach for HCPSS that addresses preparation, response, recovery, and mitigation to:
 - 1. An emergency, including a violent or traumatic event on school grounds, during school hours, or during a school-sponsored activity.
 - 2. Events in the community that affect normal school operations.
- J. Howard County Emergency Operations Plan A countywide emergency management system incorporating all aspects of pre-emergency preparedness and post-emergency response, recovery, and mitigation.
- K. Inclusive Securing the educational benefits of diversity for all students through active, intentional, and ongoing engagement.
- L. Long-Range Enrollment Each school's student population projections for the upcoming 10 years.
- M. Program Capacity The number of students that can be reasonably accommodated in a school, based on the permanent facility (relocatables are excluded) and the educational program offered. Program capacity is calculated based at the below rates:
 - 1. Elementary schools: the product of the Board-approved student-to-teacher ratio and the number of teaching stations identified in the capital budget.
 - 2. Middle schools: 95% of the product of the Board-approved student-to-teacher ratio and the number of teaching stations identified in the capital budget.
 - 3. High schools: 80% or 85% of the product of the Board-approved student-to-teacher ratio and the number of teaching stations in the capital budget.
- N. Projections Estimated student enrollment for future school years.

- O. Regional Program A countywide educational program located at one or more, but not all schools that is designed to provide a particular type of educational leadership or intervention to students. Regional programs may include, but are not limited to Regional Academic Life Skills, Preschool Program, including Parent-Assisted Learning at Schools, Pre-Kindergarten, Elementary School Model Full-day Pre-Kindergarten, Early Beginnings, Regional Emotional Disabilities, Multiple Intensive Needs Classroom, Junior Reserve Officer Training Course (JROTC) and Elementary School Primary Learner Program.
- P. Planning Region A geographic area of Howard County made up of one or more schools used by the HCPSS Office of School Planning for long-range planning purposes.
- Q. School Attendance Area Geographic area from which a school's students are drawn.
- R. Target Utilization Enrollment between 90% and 110% utilization of the program capacity of a school facility.
- S. Utilization The comparison of a facility's program capacity and its enrollment or projected future enrollment.

IV. Standards

- A. The Board will consider school attendance area adjustments whenever one or more of the following conditions exist:
 - 1. A new school or addition is scheduled to open.
 - 2. An existing facility is significantly damaged, deemed unusable, or otherwise scheduled to close.
 - 3. School attendance area projections are outside the target utilization.
 - 4. The program capacity of a school building is altered.
 - 5. The road network(s) within one or more school attendance areas is altered.
 - 6. An unforeseen circumstance necessitates an adjustment to promote efficiency or provide for the welfare of students.
- B. The Board, Superintendent/Designee and the AAC will consider the impact of the following factors in the development of any school attendance area adjustment plan. While each of these factors will be considered, it may not be feasible to reconcile each and every school attendance area adjustment with each and every factor.

- 1. Facility Utilization. Where reasonable, school attendance area utilization should stay within the target utilization for as long a period of time as possible through the consideration of:
 - a. Efficient use of available space. For example, maintain a building's program capacity utilization between 90% and 100%.
 - b. Long-range enrollment, capital plans and capacity needs of school infrastructures (e.g., cafeterias, restrooms and other shared core facilities).
 - c. Fiscal responsibility by minimizing capital and operating costs.
 - d. The number of students that walk or receive bus service and the distance and time bused students travel.
 - e. Location of regional programs, maintaining an equitable distribution of programs across the county.
- 2. Community Stability. Where reasonable, school attendance areas should promote a sense of community in both the geographic place (e.g., neighborhood or place in which a student lives) and the promotion of a student from each school level through the consideration of:
 - a. Feeds that encourage keeping students together from one school to the next. For example, avoiding feeds of less than 15% at the receiving school.
 - b. Areas that are made up of contiguous communities or neighborhoods.
 - c. Frequency with which any one student is reassigned, making every attempt to not move a student more than once at any school level or the same student more frequently than once every five years.
- 3. Demographic Characteristics of Student Population. Where reasonable, school attendance areas should promote the creation of a diverse and inclusive student body at both the sending and receiving schools through the consideration of:
 - a. The racial/ethnic composition of the student population.
 - b. The socioeconomic composition of the school population as measured by participation in the federal FARMS program.
 - c. Academic performance of students in both the sending and receiving schools as measured by current standardized testing results in English Language Arts/Literacy and Mathematics.

- d. The level of English learners as measured by enrollment in the English for Speakers of Other Languages (ESOL) program.
- e. Number of students moved, taking into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
- f. Other reliable demographic indicators, when applicable.
- C. Board of Education's Deliberations
 - 1. The Superintendent/Designee will submit attendance area considerations to the Board for discussion and recommendation.
 - 2. If attendance area adjustments are considered under Section IV.A., the Board will notify the public of its decision for the Superintendent to proceed or not to proceed with the formation of the AAC and attendance area adjustment recommendations.
 - 3. The Superintendent/Designee will submit to the Board attendance area adjustment recommendations, which include data on each of the factors in Section IV.B. for which measurement can be obtained.
 - 4. The Board, in accordance with Policy 2040 Public Participation in Meetings of the Board, will hold a public hearing(s) regarding the school attendance area adjustment plan(s) submitted by the Superintendent. In addition, and as necessary, work session(s) will be scheduled to consider public hearing testimony. The Board may schedule additional hearings and/or work sessions at its discretion.
 - 5. The Board may direct the Superintendent to provide additional information and/or develop other alternative plans for its consideration at any time. The Board may also propose alternative plans at any time.
 - 6. The Board may consider exemptions for rising fifth, eighth, and eleventh grade students to continue attending schools in an area that is proposed for attendance area adjustments. Attendance area adjustments will not affect rising twelfth grade students.
 - 7. The Board will take final action on school attendance area adjustments at a public meeting. The Board reserves the right to adopt or to modify any alternatives and/or recommendations presented to it by the Superintendent/Designee or the citizens of Howard County proposed previously or during the Board's deliberations and vote.

- 8. The Board may alter these provisions, upon a majority vote of the Board, when an extended emergency as defined by Policy 3010 Emergency Preparedness and Response occurs or other extraordinary circumstances warrant such an alternation.
- D. Community Input
 - 1. The Superintendent will, when directed by the Board, form an AAC in accordance with the Implementation Procedures of this policy for the purpose of advising the Superintendent during the planning phase of the attendance area adjustment process. In the case of an extended emergency situation, the Superintendent/Designee will propose an attendance area adjustment.
 - 2. The Board will provide opportunities for public input in accordance with Policy 2040 Public Participation in Meetings of the Board.
 - 3. Members of the public may submit school attendance area adjustment plans to the Board, the Superintendent/Designee and/or the AAC.

V. Responsibilities

- A. The Superintendent/Designee will prepare and provide enrollment projections and attendance area considerations on an annual basis to the Board.
- B. The Superintendent/Designee will determine whether the conditions exist that require school attendance area adjustments and will recommend that the Board appoint the AAC. The Superintendent/Designee will assist the AAC in completing its review and comment process.
- C. All AAC meetings are subject to the Maryland Open Meetings Act. Staff will take summary notes of the AAC meeting and make these summary notes available to the public.
- D. The Superintendent/Designee will communicate the Board's action on attendance area adjustments to the principals, PTA presidents and SGA presidents of each affected school, the president of the PTA Council of Howard County and the chairman of the Community Advisory Council to the Board.
- E. Principals will communicate attendance area adjustments to the parents of students in areas affected by the Board's action.

VI. Delegation of Authority

The Superintendent is authorized to develop appropriate procedures for the implementation of this policy.

VII. References

A. Legal

The Annotated Code of Maryland, Education Article, Section 4-109, Establishment of Public School Maryland Open Meetings Act

B. Other Board Policies
Policy 2040 Public Participation in Meetings of the Board
Policy 2050 Advisory Committees to Staff and Schools
Policy 3010 Emergency Preparedness and Response
Policy 5200 Pupil Transportation
Policy 6000 Site Selection and Acquisition
Policy 6020 School Planning and Construction Programs
Policy 6070 Discontinuation of School Use
Policy 9000 Student Residency Eligibility Enrollment Assignment

- C. Relevant Data Sources
- D. Other

VIII. History

ADOPTED: April 15, 2004 REVIEWED: July 1, 2011 MODIFIED: REVISED: April 28, 2005 April 16, 2009 January 26, 2017 EFFECTIVE: January 26, 2017



POLICY 6010-IP IMPLEMENTATION PROCEDURES

SCHOOL ATTENDANCE AREAS

Effective: January 26, 2017

I. Definitions

Within the context of these implementation procedures, the following definitions apply:

- A. Integrated Modular Units Modular classrooms or buildings that are permanently installed at a school and included in the program capacity of a school.
- B. Projection Methodology Procedure to develop student enrollment projections that includes, but is not limited to historical cohort survival ratios, birth rates, new housing units, housing resales, apartment turnover and net migration.
- C. Relocatable(s) Prefabricated, stand-alone buildings providing temporary capacity for a school and that are excluded from program capacity.

II. Development and Consideration of School Attendance Area Adjustment Plans

The long-range school facilities planning process is conducted on an annual basis according to the county's and state's capital budget process. The schedule is adjusted annually to account for holidays and other anomalies. The development and consideration of proposed school attendance area adjustment plans will take place in the following manner:

- Year 1 January/February The Office of School Planning will provide the Superintendent with enrollment projections by school annually and develop attendance area considerations per Policy 6010. The considerations will address capacity projects in the capital budget and will be the basis for short- and long-range attendance area plans.
- B. Year 1 April The Office of School Planning will solicit and interview candidates for the potential Attendance Area Committee (AAC) and nominate candidates for appointment by the Superintendent.
- C. Year 1 June

The Superintendent/Designee presents projections, attendance area considerations and planning issues to the Board and interested citizens.

If the Board approves the appointment of an AAC, the Superintendent will charter such a committee to review proposed attendance area adjustment plans. The

Board will notify the public of its decision for the Superintendent to proceed or not to proceed with the formation of the AAC and attendance area adjustment recommendations.

D. Year 1 - June/July If an AAC is created, the Office of School Planning staff will provide training to

the AAC. Training will include, but is not limited the following:

- 1. Review of Policy 6010 and its standards used to establish an attendance area
- adjustment plan.
- 2. Review the AAC's responsibilities in the attendance area adjustment plan process.
- E. Year 1 July/August

With assistance from the Office of School Planning, the AAC will review attendance area adjustments, consider citizen feedback and make a committee recommendation to the Superintendent.

- F. Year 1 July/August The Office of School Planning will advise the Superintendent on capacity needs for the upcoming budget process during capital budget preparations.
- G. Year 1 September The Office of School Planning will facilitate regional meetings regarding proposed attendance area adjustments, including the plans refined by the AAC.
- H. Year 1 October

After receipt of input from the AAC and the public, the Superintendent will propose attendance area adjustments and goals (e.g., to facilitate a balanced utilization, open a new school, etc.) to the Board.

- I. Year 1 October/November Board public hearing(s), work session(s) and adoption of attendance area adjustments.
- J. Year 1 December The Superintendent/Designee and Board will assess the attendance area adjustment process. Modifications to this process will be made, as needed, prior to the beginning of the next attendance area adjustment.
- K. Year 1 December Year 2 January

After the Board has made any final decision(s) regarding attendance area adjustments, the approved attendance area maps are developed, the school locator is updated, and transportation routes are updated. The Superintendent will communicate the Board's action to the principals, PTA presidents and SGA presidents of each affected school, the president of the PTA Council of Howard County and the chairman of the Community Advisory Council to the Board. The Superintendent/Designee will assist school-based administrators and staff with articulating students affected by attendance area adjustments. Principals will communicate attendance area adjustments to the parents of students in areas affected by the Board's action.

- L. Year 2 January Capital Budget review by the Board.
- M. Year 2 May Capital Budget review and approval by County Council.
- N. Year 2 August Attendance Area Adjustment effective.

III. Attendance Area Committee Make-up and Responsibilities

- A. The AAC shall consist of 10 to 15 members. Consideration will be given to providing representation from each of the Howard County Public School System's (HCPSS) planning regions. Representation may include, but is not limited to the following:
 - 1. At least one member from the Howard County Association of Student Councils.
 - 2. At least one member from each of the HCPSS six planning regions.
 - 3. At least three, but no more than eight at-large citizen members, with consideration toward identifying members of the community based on the attendance area/planning region(s) affected by the proposed attendance area adjustment.
 - 4. Of those AAC members selected, no more than six members will have been members of a previous AAC.
 - 5. Members may not serve more than two consecutive AAC's.
- B. The AAC, after receiving training, will work in collaboration with the Office of School Planning staff and the Superintendent/Designee to refine the attendance area adjustment plan through a review and comments process. The basis for the review will be enrollment projections, the Policy 6010 Standards set forth in Section IV.B., and the attendance area adjustment goals set by the Superintendent.
- C. The AAC will take public input in the form of reviews and comments. The AAC will review public input and provide comments to the staff. Staff will modify the attendance area adjustment plans as appropriate based on the AAC comments.

- D. Attendance areas plans refined by the AAC will be presented at one or more regional meetings for additional citizen comment. Further refinement to the AAC's plan may be necessary prior to forwarding it to the Superintendent for review.
- E. AAC members may be asked to participate during the meeting in which staff presents the attendance area adjustment recommendations as well as in one or more work sessions to assist the Board in its deliberations.

IV. History

ADOPTED: April 28, 2005 REVIEWED: July 1, 2011 MODIFIED: REVISED: January 26, 2017 EFFECTIVE: January 26, 2017

Most Recent Attendance Area Adjustments

The new Adequate Public Facilities Ordinance adopted by the County Council in 2018 requires that HCPSS reports the most recent attendance area adjustments for each school.

Table 6.1Most Recent Attendance Area Adjustments Chart

	In effect		In effect
Atholton ES	2012	Bonnie Branch MS	2014
Bellows Spring ES	2012	Burleigh Manor MS	2014
Bollman Bridge ES	2012	Clarksville MS	2018
Bryant Woods ES	2007	Dunloggin MS	2006
Bushy Park ES	2002	Elkridge Landing MS	2018
Centennial Lane ES	2007	Ellicott Mills MS	2014
Clarksville ES	2006	Folly Quarter MS	2006
Clemens Crossing ES	2018	Glenwood MS	2004
Cradlerock ES	2004	Hammond MS	2014
Dayton Oaks ES	2012	Harpers Choice MS	2018
Deep Run ES	2018	Lake Elkhorn MS	2014
Ducketts Lane ES	2018	Lime Kiln MS	2018
Elkridge ES	2013	Mayfield Woods MS	2018
Forest Ridge ES	2012	Mount View MS	2018
Fulton ES	2012	Murray Hill MS	2014
Gorman Crossing ES	2012	Oakland Mills MS	2003
Guilford ES	2012	Patapsco MS	2006
Hammond ES	2012	Patuxent Valley MS	2014
Hanover Hills ES	2018	Thomas Viaduct MS	2018
Hollifield Station ES	2013	Wilde Lake MS	2018
llchester ES	2013		
Jeffers Hill ES	2013		
Laurel Woods ES	2012		
Lisbon ES	1998		
Longfellow ES	2003		
Manor Woods ES	2018		
Northfield ES	2013		In effect
Phelps Luck ES	2013	Atholton HS	2002
Pointers Run ES	2018	Centennial HS	2006
Rockburn ES	2018	Glenelg HS	2010
Running Brook ES	2007	Hammond HS	2005
St Johns Lane ES	2013	Howard HS	2005
Stevens Forest ES	2013	Long Reach HS	2005
Swansfield ES	1987	Marriotts Ridge HS	2010
Talbott Springs ES	2013	Mt Hebron HS	2006
Thunder Hill ES	2013	Oakland Mills HS	2005
Triadelphia Ridge ES	2018	Reservoir HS	2002
Veterans ES	2013	River Hill HS	2010
Waterloo ES	2013	Wilde Lake HS	2004
Waverly ES	2018		
West Friendship ES	2018		
Worthington ES	2007		