



ADOPTED

Capital Improvement Program

Fiscal Years 2015-19



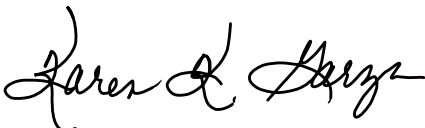
Facilities and Transportation Services



December 13, 2013

MEMORANDUM

TO: School Board

FROM: Karen K. Garza 

SUBJECT: Capital Improvement Program – FY2015 – FY2019

I am pleased to submit to you the proposed *Capital Improvement Program (CIP) for the Fiscal Years 2015-2019*.

Between September 2012 and 2013, total FCPS membership grew by approximately 3,000 students. Since September 2006, total membership has grown by nearly 20,000 students. Membership is projected to continue to increase over the 5-year CIP horizon to approximately 199,000 students by school year 2018-19.

This increase in enrollment has been the result of the economic environment and higher birth rates in the growing ethnic and racial populations within Fairfax County. Growth among Hispanic/Latino, Asian, and Black student populations (in that order) represent the overwhelming majority of growth within FCPS over the past five years (source: Fairfax County Government; 2012 economic, demographic, and statistical research). We project that growth in the primary grades will continue as births remain relatively high and as these younger student cohorts progress through FCPS during the next several school years.

The current and anticipated enrollment increases continue to present a major challenge as the school system struggles to provide sufficient capacity in our schools. Despite the planned additional capacity intended to address projected needs, uneven enrollment growth throughout the county will necessitate the continuation of small and large scale boundary adjustments to take advantage of available capacity whenever it is practicable to do so.

The capital funding stream shown in the FY2015 – FY2019 CIP reflects \$250 million recently approved by county voters in the 2013 School Bond Referendum. This funding will allow the construction of two new elementary schools, capacity enhancements at one elementary school, renovations (including capacity enhancements) at nine elementary schools, one middle and one high school, construction planning for one high school addition and renovation planning for eight elementary schools, one middle and two high schools. The 2013 School Bond Referendum also provides funding for numerous infrastructure management projects and site acquisition. The anticipated need for three additional elementary schools -- one in the Fairfax/Oakton area, one in Northwest Fairfax County area, and one on Fort Belvoir (jointly funded with the Department of Defense) -- are reflected in the proposed cash flow.

Funding for capital improvement projects is currently limited by a \$155 million yearly cap on school bond sales. Providing the additional new schools and capacity enhancements required to accommodate enrollment growth will cause delays in the schedule of many future renovation projects. Favorable construction pricing is helping mitigate these delays but they will occur if the school system does not receive additional capital funding from the Board of Supervisors.

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Project costs have also been updated in this document to reflect those currently being experienced. As a result, the FY2015-FY2019 five-year capital requirement totals approximately \$866 million or roughly \$173 million per year. The five-year requirement represents roughly 43 percent of the \$2 billion total CIP cost for FY2015-FY2024 (including prior year expenditures). Funds approved in the 2013 School Bond Referendum and previous referenda will address approximately \$416 million of the five-year requirement leaving a balance of \$450 million unfunded. We anticipate the next bond referendum will be in the fall of 2015.

Capital improvement requirements for the ensuing five-year period (FY2020 through FY2024) have been included to conform to Fairfax County's CIP format. Approximately \$832 million in capital project requirements are included within this out-year time frame.

KKG/kv
Attachment

cc: Leadership Team

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Staff acknowledges and thanks the Facilities Planning Advisory Council (FPAC) for their contributions to the preparation of the FY 2015-19 Capital Improvement Program.

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Additional information about FPAC may be found at their web page:
<http://www.fcps.edu/fts/planning/fpac/index.shtml>

Staff acknowledges and thanks the Department of Information Technology, Multimedia Design Services, for their contributions to the preparation of the FY 2015-19 Capital Improvement Program book.

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Summary Highlights



Renovations to be completed in 2014-15: Sandburg Middle School

The FY2015–FY2019 Capital Improvement Program (CIP) updates and builds upon the previously approved program of capital expenditures. The CIP project schedule assumes continuation of an annual expenditure limit of \$155 million imposed by the Fairfax County Board of Supervisors. The CIP also assumes that participating school systems with students attending Thomas Jefferson High School for Science and Technology will fund their proportionate share of the cost of renovating that school. It is also assumed that federal funds will be forthcoming to provide for construction of a new elementary school on the grounds of Fort Belvoir. School construction projects approved in the November 2013 School Bond Referendum are included in this CIP as funded projects.

The following summarizes the proposed FY2015–FY2019 CIP and important assumptions upon which it is based:

Enrollment continues to increase, especially for schools located in growth corridors such as Route 28/Dulles/ Northwest Fairfax area, Richmond Highway, and areas inside the beltway. Despite the planned additional capacity intended to address projected needs, uneven enrollment growth throughout the county will necessitate the continuation of boundary adjustments to take advantage of available capacity whenever it is practicable to do so.

Between September 2012 and 2013, total FCPS membership grew by approximately 3,000 students. Since September 2006, total membership has grown by nearly 20,000 students. Membership is projected to continue increasing over the 5-year CIP horizon, reaching approximately 199,000 students by school year 2018-19. The CIP proposes capacity enhancements to both Herndon and Oakton High Schools as part of their renovations and an addition at South Lakes High School to expand that school's capacity. The CIP proposes five new elementary schools: one in the eastern portion of the county to address current and projected overcrowding at Bailey's ES and potentially

other schools in the Bailey's Crossroads area; one in the Richmond Highway Corridor to relieve overcrowding at schools in the Groveton/Hybla Valley area; one in the Northwest county area to address current overcrowding as well as projected enrollment growth from new transit oriented developments associated with the Metro rail expansion along the new Silver Line; a new school to relieve overcrowding in the Fairfax/Oakton area; and a new school on the army base to relieve overcrowding at Fort Belvoir ES. This new school will be jointly funded with the Department of Defense. Funding is also identified for capacity enhancements at two elementary schools in the Vienna and Tysons Corner areas.

The CIP proposes \$5.0 million for interior modifications that enhance capacity to accommodate anticipated changes for Advanced Academic Programs and Special Education at the elementary and middle school levels.

The school renovation program is based upon several criteria, compiled and referred to as the renovation queue. The current renovation queue was approved by the School Board in January of 2009 and established the order in which schools will be renovated as evaluated and ranked by an independent architectural and engineering firm. Due to the continuing increase in our student population it should be noted that the construction of new capacity, whether it is a new school or addition, could adversely impact the timing of some renovation projects. To the extent known, any such delays are shown in this year's CIP.

The document provides advance notice to school communities about capital projects and/or possible changes in attendance areas/programs over the next five years. The cluster summaries include maps reflecting capacity utilizations and recommendations for student accommodations. An alphabetical listing of all schools and a glossary of commonly used terms have been included in the CIP to show important facility and feeder school information.

Bonds

FCPS School Bond Process

In Virginia, school boards do not have taxing authority and are fiscally dependent on the local government. Because bonds are a future obligation for taxpayers, Virginia law requires that voters approve long-term debt incurred by bonds through a referendum. Most city and county governments use bonds—a form of long-term borrowing—to finance public facilities and infrastructure. Traditionally, Fairfax County has used the sale of municipal bonds to fund these large expenditures. This enables the costs of major capital improvements to be spread over the many years that the facilities are used. This also avoids an excessive cost burden to current taxpayers and shares the cost of these long-term investments with future taxpayers who will also use the facilities. Voter approval authorizes the Fairfax County Board of Supervisors (BOS) to sell bonds when needed to generate the funds for a range of public facilities like schools.

Of the nation's more than 3,000 counties, Fairfax is amongst 39 that have the highest bond or credit ratings possible for a local government (source: Fairfax County, Virginia, 2012 Bond Referendum web page). High bond ratings allow the County to sell the bonds at exceptionally low interest rates, thereby saving considerably on the cost of the project. To ensure that the county's bond ratings are not jeopardized, the Fairfax County BOS adheres to financial management principles that set limits on the annual cost of the county's debt service and net long-term debt. The County also follows a self-imposed limit on the level of the average bond sale. As long as the bond debt service costs do not increase significantly as a percentage of the combined general fund disbursements, Fairfax County's bonded debt will not be a contributing factor to any increase in local taxes.

While the practice of municipal bond sales has provided a reliable resource for funding capital improvement projects, the bond spending cap for FCPS of \$155 million per year has limited funding availability, thus limiting our ability to renovate and add capacity to our facilities. The School Board in its February 17, 2013, memorandum requested the Board of Supervisors consider increasing bond sales to raise the annual amount that FCPS is permitted to spend. The Joint

School Board/Board of Supervisors Infrastructure Financing Committee is currently considering all forms of capital financing to close the gap between facilities requirements and available funding.

Every two years in November, school capital facility projects are part of a school bond referendum, which is added to the general election ballot. Actual start and completion dates for CIP projects depend on cash flow and debt service limitations established by the Fairfax County BOS. Because of construction projects in process over multiple years and a spending limitation of \$155 million each year for capital projects, the time line can range from 5-7 years or more for capital projects to go from bond approval to completion.

Bonds for Capital Improvements Projects:

- New construction
- Capacity enhancement (additions to existing schools and other modifications)
- Renovation program
- Special program facilities
- Infrastructure management (technology upgrades, American Disabilities Act upgrades, roof and HVAC replacement, athletic infrastructure, security enhancements, and asphalt paving)
- Site acquisition

The Capital Improvement Program

Fairfax County Public Schools is a component of the Fairfax County government, and as such, the County Board of Supervisors authorizes the funding for the school system, which comprises just over 50% of the total county budget. County residents are more familiar with the operating fund that finances the day-to-day school operations, books, teachers, desks, equipment, minor maintenance, etc. However, capital improvements such as new schools, capacity enhancements, and school renovations are not funded through the general or school operating fund. Capital expenditures typically are planned for assets with 20-25 years of useful life and are funded through the sale of bonds in coordination with Fairfax County. These major improvements are funded separately from the day-to-day expenditures of the school system. Despite the surge in enrollment growth over the past several years and the need for additional school facilities, school capital spending remains limited to \$155 million per year.

Each year, FCPS develops a five-year planning document known as the Capital Improvement Program (CIP) to address future facility needs. The CIP lists all projects managed by the school system's Office of Design and Construction. Capital improvements are funded through the sale of school bonds, which must

be approved by a majority of voters. The list includes projects that are funded from prior bond sales and projects that are unfunded. The unfunded projects reflect planning for identified needs, which will be included in future bond referenda. The actual timing for capital project starts and completions is largely dependent on cash flow and debt service which are governed by the Board of Supervisors.

The CIP guides the development of the construction fund to ensure:

- efficient and effective use of FCPS-owned facilities
- classroom capacity and infrastructure meet instruction program and community needs
- facility needs are met equitably across the County

As a planning document, the CIP is not static. Every year, FCPS evaluates the capacity and effective building utilization of each school. The CIP adjusts to shifts in student population and the needs of the community as they become more defined and as projects move closer to implementation. A key element of the CIP is planning for the cash flow to fund these projects while working within the County's debt service and capital spending limitations. The CIP cash flow has been predicated on 4% to 6% cost increases for future fiscal years. Increases in construction market pricing, coupled with CIP initiatives providing additional capacity to accommodate enrollment increases, could result in some timing delays for school renovation starts. As enrollment growth drives the demand for more capacity, the cash flow may increasingly shift away from renovations, potentially increasing the time a school community may have to wait for their school renewal.

CIP Process and Cycle

The following outlines the time line and process which identifies current and future student accommodation needs and guides the recommendations for CIP prioritization:

April

- Enrollment projections are completed for the next school year and the subsequent 5 years based on enrollment trends at each school and system-wide
- Enrollment projections are analyzed to support detailed student accommodation planning for specific schools or groups of schools that will be implemented over the summer prior to the next school year (trailers, interior modifications)
- Program needs and resulting school capacity requirements are determined

August-September

- Solutions for capacity imbalances are considered and recommendations developed for any new capital projects such as new schools, capacity enhancements or modular additions or relocations

October-November

- Staff compares current September 30th enrollment, projected enrollment and the updated school capacities to finalize and update capacity surplus or deficit data for each school; the Design and Construction Dashboard is updated

December

- CIP is presented to the School Board

January

- Public hearing, School Board work session and School Board action on the CIP

March

- CIP presented to the Planning Commission and incorporated into the Fairfax County CIP, which includes facilities planning for other public agencies, such as police, fire, libraries, and parks

Capital Program Recommendations

Using a five year planning horizon, FCPS identifies capacity deficits that cannot otherwise be addressed through school boundary changes, program relocations, temporary facilities or other internal building modifications designed to recapture underutilized or unused capacity. Significant capacity shortages for schools which are likely to persist over time become candidates for new construction projects to enhance school capacity.

While they are the most visible component, new construction projects are only part of the CIP picture. Renovations are aimed at assuring that all schools provide the facilities necessary to support current educational programs regardless of the age of the buildings. Renovations are also used to restore capacity lost due to low-ratio special program instruction and other new instructional support needs (e.g., technology labs). Depending on need, a renovated school may acquire a new heating plant, air conditioning, upgraded electrical and plumbing systems, and spaces required to support the educational program.

Infrastructure management is the component of the CIP that addresses those building sub-systems that do not have the longevity of the 20-25 year renovation cycle. These building sub-systems such as mechanical systems, roofing, parking lots, and technology backbone, require replacement on a shorter cycle. Maintaining and replacing the roof, heating and cooling systems, and other elements of building infrastructure helps to ensure a safe and comfortable environment over the lifetime of a school building.

In addition to new construction, renovations, and infrastructure management, FCPS periodically undertakes other capital projects to support its facilities. Examples include installation of safety and security systems as well as improvement of facilities for students and citizens with disabilities.

Individual project requirements for the next five years are indicated in the CIP. Annual expenditures for Fiscal Years 2015 through 2019 and needs for the ensuing five years are shown on the Cash Flow Sheet. The FY2020 through FY2024 data is provided to conform to the county's guidance that ten years of cash flow and capital requirements be identified. It is noted that this CIP project list and supporting materials comprise a "statement of need." Project rates of execution are constrained to reflect the county's cash-flow restriction of \$155 million per year. Project costs have been updated to reflect recent rates of inflation in construction costs.

New Facilities

The cluster studies present summary data on student memberships and facility capacity utilizations for selected groupings of elementary, middle, high, and secondary schools. Included in the summaries are the impacts of funded projects now scheduled for construction. Also identified in the summaries are unfunded increases in instructional and support space required to accommodate projected growth in general education, special education, and other programs. This CIP proposes funding of \$223.2 million for construction of new school facilities to accommodate membership growth. The total 5-year cost of new facilities is \$62.2 million, of which \$23.4 million is unfunded.

Capacity Enhancements

The school system is facing a challenging time in which student enrollment is growing and is projected to exceed available capacity. The CIP includes capacity enhancements at two elementary schools and one high school. The CIP proposes funding of \$28.0 million for capacity enhancements. The total 5-year requirement for capacity enhancements is \$25.2 million, of which \$13.8 million is unfunded.

Renovations

Both the usable lives of school facilities and School Board policy require renovation of buildings on 20-25 year cycles. Given the number of schools now in operation, this need implies a requirement to renovate an average of six elementary schools, one middle school, and one high school per year. This 5-year CIP proposes the renovation of twenty-five elementary, six middle, and six high schools. Many of these renovations will include capacity enhancements to accommodate projected enrollment. The CIP proposes funding of \$1.6 billion for renovations. The 5-year cost of renovations is \$697.7 million of which \$371.7 million is unfunded.

The Current (Five-Year) Renovation Requirement

Elementary Schools	\$328.6
Middle Schools	\$80.1
High Schools	\$289.0
Total	\$697.7

Special Program Facilities

The CIP includes \$5.0 million to provide capacity enhancements at various schools to accommodate Advanced Academic Programs. The total 5 year requirement for special program facilities is \$3.8 million, all of which is funded.

Infrastructure Management

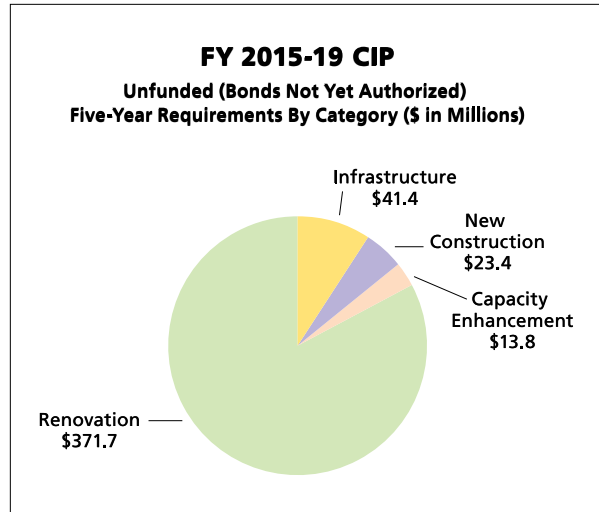
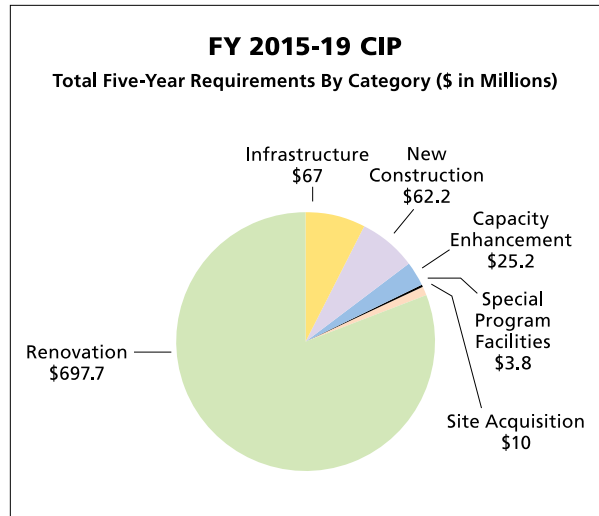
The following chart identifies funding proposed to continue implementation of several ongoing infrastructure programs that protect FCPS investment of approximately \$4 billion in existing facilities. This preventive maintenance approach avoids the escalated cost associated with operating building systems to failure. Such failures cause collateral damage and result in the need to make additional repairs later in inflated dollars. The 5-year cost of infrastructure management projects is \$67.0 million of which \$41.4 million is unfunded.

Five-Year Infrastructure Management

Technology Infrastructure	\$10.3
Americans with Disabilities Act Improvements	\$7.7
Roof Replacement Program	\$17.5
Athletic Infrastructure	\$6.5
HVAC Replacement Program	\$18.5
Security Enhancements	\$2.7
Asphalt Paving	\$3.8
Total	\$67.0

Site Acquisition

The CIP proposes funding of \$10 million, all of which is funded, to acquire sites for future schools.



Capital Project Summary

The proposed FY2015–FY2019 Cash Flow Sheet lists CIP projects, with approved bond funding shown in black. Although this CIP project listing and its supporting materials comprise a “statement of need,” the projected rates of execution are constrained by the County’s cash-flow guidance, which currently limits expenditures to \$155 million per year.

Construction Costs and Funding

Construction costs have escalated over the past year. FCPS experienced a significant increase of 4-6% from 2012 to 2013. Based upon the most recent data, staff is forecasting an increase of 3-6% per year for construction costs through the next fiscal year. Beyond 2014 costs are expected to settle into a pattern more in line with historical cost increases of 6% per year. It should be noted that upon each project bid and at the conclusion of the fiscal year all future project costs and trends are reevaluated, which results in the CIP cash flow reflecting the most recent cost trends.

Renovation costs are based upon staff evaluation of recently completed renovation and major maintenance projects using the same escalation factors as for new construction. Both renovation and new construction cost figures include architectural, county, and engineering fees, contingencies, and equipment costs. The funding requirements for individual projects shown in the CIP Cash Flow Summary chart are distributed, or cash-flowed, across several fiscal years. This methodology is consistent with the presentation of capital funding requirements in the Fairfax County Capital Improvement Program

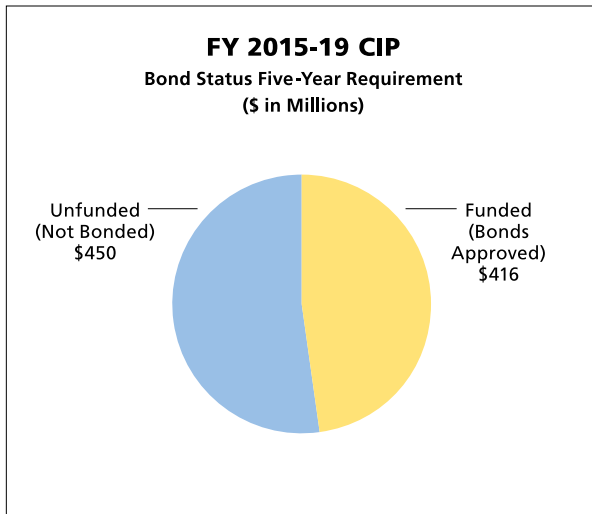
Anticipated FY2015 – FY2019 expenditures for the projects in this CIP total \$866 million, of which \$416 million is funded with approved bonds and \$450 million is unfunded. The average annual 5-year CIP expenditure (funded and unfunded) is \$173 million. Ten years of project cash-flow information has been provided at the request of the county. The first five years have been broken out as is required in the Code of Virginia capital program planning guidance to school divisions. The remaining five years of estimated need are provided as a supplement to conform to the county’s request.

It should be noted that the total cost (funded and unfunded) of projects identified in this CIP is \$2.0 billion, of which \$327.6 million is the anticipated prior year expense. Due to cash flow limits, \$832.5 million is projected after the 5-year CIP planning period.

The School Board has scheduled a public hearing on the FY2015 – FY2019 CIP for January 8, 2014. School Board action on the proposed CIP is scheduled for January 23, 2014.

Bond Referendum Need

This CIP reflects funding approved in the November 2013 School Bond Referendum and indicates the need for a 2015 School Bond Referendum followed by additional referenda in subsequent years.



Cash Flow Sheets

FAIRFAX COUNTY PUBLIC SCHOOLS ADOPTED FY 2015 - FY 2019 CAPITAL IMPROVEMENT PROGRAM SUMMARY

Project	Revised Budget	Prior Years Expenditure	FIVE YEAR CAPITAL IMPROVEMENT PROGRAM FORECAST					Projected Expenditures FY 2020 - 2024
			FY 2015	FY2016	FY2017	FY2018	FY2019	
New School Construction	\$ 223,182,960	\$ 13,614,702	\$ 11,612,910	\$ 9,321,013	\$ 13,434,038	\$ 11,677,144	\$ 16,203,398	\$ 147,319,755
Capacity Enhancement	\$ 28,049,881	\$ 2,871,901	\$ 4,010,811	\$ 7,320,063	\$ 9,776,530	\$ 4,070,576	\$ -	\$ -
Renovation Programs	\$ 1,592,715,948	\$ 280,853,609	\$ 196,847,679	\$ 123,125,367	\$ 114,658,669	\$ 133,750,555	\$ 129,242,875	\$ 614,237,194
Special Program Facilities	\$ 5,000,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ -	\$ -	\$ -
Infrastructure Management	\$ 166,940,295	\$ 29,040,295	\$ 12,125,000	\$ 13,500,000	\$ 13,050,000	\$ 15,800,000	\$ 12,500,000	\$ 70,925,000
Site Acquisition	\$ 10,000,000	\$ -	\$ -	\$ -	\$ 10,000,000	\$ -	\$ -	\$ -
Total Project Cost	\$ 2,025,889,084	\$ 327,630,507	\$ 225,846,400	\$ 154,516,443	\$ 162,169,237	\$ 165,298,275	\$ 157,946,273	\$ 832,481,949
Funded Project Cost	\$ 743,074,416	\$ 327,630,507	\$ 225,846,400	\$ 137,584,048	\$ 47,363,449	\$ 4,483,483	\$ 166,529	\$ -
Unfunded Project Cost	\$ 1,282,814,668	\$ -	\$ -	\$ 16,932,395	\$ 114,805,788	\$ 160,814,792	\$ 157,779,744	\$ 832,481,949
Total Five Year Requirement			\$ 865,776,628					
Total Five Year Unfunded Portion			\$ 450,332,719					
Total Ten Year Requirement			\$ 1,698,258,577					
Total Ten Year Unfunded Requirement			\$ 1,282,814,668					

1/23/14

Cash Flow Sheets

Project	Revised Budget	Prior Year Expenditures	FY 2015 Expenditures	FY 2016 Expenditures	FY 2017 Expenditures	FY 2018 Expenditures	FY 2019 Expenditures	Projected FY 2020-FY 2024
New School Construction								
Eastern Fairfax ES	\$ 22,691,170	\$ 13,614,702	\$ 7,941,910	\$ 1,134,558	\$ 13,354,371	\$ 4,483,483	\$ 166,529	
Route 1 Area ES	\$ 22,253,838	\$	\$ 171,000	\$ 4,078,455	\$	\$	\$ 151,200	\$ 25,643,264
Fairfax/Oakton Area ES	\$ 25,794,464	\$	\$	\$	\$ 79,667	\$ 7,193,661	\$ 15,885,669	\$ 1,676,491
North West County ES	\$ 24,943,488	\$	\$	\$ 108,000	\$	\$	\$	\$
New Fort Belvoir ES	\$ 7,500,000	\$	\$ 3,500,000	\$ 4,000,000	\$	\$	\$	\$ 120,000,000
Future High School	\$ 120,000,000	\$	\$	\$	\$	\$	\$	\$
Total New School Construction	\$ 223,162,960	\$ 13,614,702	\$ 11,612,910	\$ 9,321,013	\$ 13,434,038	\$ 11,677,144	\$ 16,203,398	\$ 147,319,755
Unfunded Portion	\$ 170,737,952	\$	\$	\$ 108,000	\$ 79,667	\$ 7,193,661	\$ 16,036,869	\$ 147,319,755
Capacity Enhancement								
Westbriar (Tyson's Area) ES Add.	\$ 7,968,550	\$ 257,797	\$ 889,490	\$ 6,821,263	\$ 9,776,530	\$ 4,070,576	\$	\$
South Lakes HS Addition	\$ 14,650,406	\$	\$ 304,500	\$ 498,800	\$	\$	\$	\$
Marshall Road ES	\$ 5,430,925	\$ 2,614,104	\$ 2,816,821	\$	\$	\$	\$	\$
Total Capacity Enhancements	\$ 28,049,881	\$ 2,871,901	\$ 4,010,811	\$ 7,320,063	\$ 9,776,530	\$ 4,070,576	\$	\$ 4,070,576
Unfunded Portion	\$ 13,847,106	\$	\$	\$	\$	\$	\$	\$
School Renovations								
Elementary School Renovations								
Clermont	\$ 17,178,000	\$ 11,726,000	\$ 5,452,000	\$ 1,436,336	\$	\$	\$	\$
Terraset	\$ 22,063,919	\$ 8,741,440	\$ 11,906,143	\$ 1,985,420	\$	\$	\$	\$
Sunrise Valley	\$ 17,628,735	\$ 5,636,993	\$ 10,006,322	\$	\$	\$	\$	\$
Garfield	\$ 16,888,357	\$ 10,428,357	\$ 6,460,000	\$	\$	\$	\$	\$
Terra Centre	\$ 18,396,000	\$ 12,000,280	\$ 6,395,720	\$	\$	\$	\$	\$
Westgate	\$ 18,073,220	\$ 10,255,808	\$ 7,762,604	\$ 54,808	\$	\$	\$	\$
Haycock	\$ 18,809,188	\$ 4,581,956	\$ 10,458,431	\$ 3,768,801	\$ 2,296,871	\$	\$	\$
Ravensthorpe	\$ 17,771,468	\$ 6,176,193	\$ 9,298,404	\$ 4,144,208	\$	\$	\$	\$
Woodlawn	\$ 20,595,238	\$ 5,097,524	\$ 11,353,506	\$ 2,710,606	\$ 3,095,234	\$ 1,255,262	\$ 3,898,881	\$
Forestville	\$ 17,198,321	\$ 4,291,854	\$ 10,195,861	\$ 9,655,963	\$ 2,569,021	\$ 7,128,016	\$ 8,600,736	\$ 226,645
North Springfield	\$ 20,684,328	\$ 1,068,805	\$ 4,691,465	\$ 11,828,824	\$ 2,972,700	\$ 10,269,152	\$ 7,343,139	\$
Springfield Estates	\$ 16,800,571	\$ 781,824	\$ 3,794,163	\$ 11,520,621	\$ 1,528,877	\$ 11,594,183	\$ 4,399,904	\$ 160,155
Keene Mill	\$ 19,936,169	\$ 937,022	\$ 4,505,826	\$ 820,457	\$ 1,406,895	\$ 10,269,152	\$ 7,867,045	\$ 10,331,926
Bucknell	\$ 16,591,645	\$ 1,268,433	\$ 3,001,447	\$ 9,808,088	\$ 2,513,677	\$ 1,255,262	\$ 9,671,806	\$ 19,577,381
Cherry Run	\$ 17,946,929	\$ 242,284	\$ 415,344	\$ 6,456,697	\$ 9,577,342	\$ 1,255,262	\$ 854,828	\$ 21,849,129
Waynewood	\$ 19,742,910	\$ 287,003	\$ 436,721	\$ 204,548	\$ 4,557,855	\$ 9,768,888	\$ 903,385	\$ 21,286,066
Stratford Landing	\$ 20,988,005	\$ 271,500	\$ 465,429	\$ 204,548	\$ 4,557,855	\$ 9,768,888	\$ 846,872	\$ 234,152,589
Newington Forest	\$ 18,839,268	\$	\$ 39,716	\$ 798,392	\$ 798,392	\$ 9,483,351	\$ 8,600,736	\$
Hollin Meadows	\$ 19,969,297	\$	\$	\$ 820,457	\$ 4,557,855	\$ 11,712,705	\$ 439,904	\$
White Oaks	\$ 22,289,576	\$	\$ 297,574	\$ 772,864	\$ 9,066,529	\$ 11,712,705	\$ 9,671,806	\$
Mt. Vernon Woods	\$ 18,899,044	\$	\$ 232,652	\$ 697,957	\$ 617,803	\$ 7,518,671	\$ 7,867,045	\$
Belle View	\$ 19,944,086	\$	\$	\$ 137,693	\$ 826,160	\$ 781,262	\$ 7,867,045	\$
Annandale Terrace	\$ 22,210,656	\$	\$	\$	\$ 520,149	\$ 520,149	\$ 1,592,977	\$
Clearview	\$ 23,131,371	\$	\$	\$	\$	\$	\$ 854,828	\$
Silverbrook	\$ 22,311,646	\$	\$	\$	\$	\$	\$ 122,195	\$
Renovation of 10 Schools	\$ 235,070,034	\$	\$	\$	\$	\$	\$ 70,573	\$
Total Elementary Renovations	\$ 719,977,981	\$ 83,793,276	\$ 107,373,876	\$ 71,440,682	\$ 58,978,197	\$ 56,131,625	\$ 34,676,434	\$ 307,583,891
Unfunded Portion	\$ 454,785,824	\$	\$	\$ 9,392,469	\$ 47,001,405	\$ 56,131,625	\$ 34,676,434	\$ 307,583,891
Middle School Renovations								
Sandburg	\$ 47,382,958	\$ 38,814,984	\$ 8,567,974	\$	\$	\$	\$	\$
Thoreau	\$ 40,961,786	\$ 10,999,239	\$ 21,236,985	\$ 7,921,788	\$ 803,774	\$ 14,196,997	\$ 14,562,747	\$ 8,503,453
Rocky Run	\$ 39,189,608	\$	\$ 684,383	\$ 684,383	\$ 557,845	\$ 1,255,054	\$ 3,334,783	\$ 35,045,292
Hughes	\$ 41,622,298	\$	\$	\$ 732,115	\$ 1,255,054	\$ 907,699	\$ 1,624,149	\$ 39,770,719
Cooper	\$ 42,302,567	\$	\$	\$	\$	\$	\$	\$
Frost	\$ 45,295,958	\$	\$	\$	\$ 346,691	\$ 1,386,764	\$ 1,386,764	\$ 43,562,503

Note: Numbers in Burgundy represent unfunded amounts.

Cash Flow Sheets

Project	Revised Budget	Prior Year Expenditures	FY 2015 Expenditures	FY 2016 Expenditures	FY 2017 Expenditures	FY 2018 Expenditures	FY 2019 Expenditures	Projected FY 2020-FY 2024
Total Middle School Renovations	\$ 256,755,175	\$ 49,814,223	\$ 30,489,342	\$ 9,338,286	\$ 2,616,473	\$ 16,706,441	\$ 20,908,443	\$ 126,881,967
Unfunded Portion	\$ 166,484,020			\$ 732,115	\$ 1,255,054	\$ 16,706,441	\$ 20,908,443	\$ 126,881,967
High School Renovations								
Marshall	\$ 72,965,000	\$ 68,712,000	\$ 4,253,000					
Jefferson	\$ 89,500,065	\$ 48,861,493	\$ 24,484,486	\$ 16,154,086				
Langley	\$ 75,415,905	\$ 25,521,225	\$ 25,678,211	\$ 16,176,293	\$ 8,040,176			
West Springfield	\$ 90,842,824	\$ 3,187,058	\$ 1,252,555	\$ 6,698,811	\$ 38,498,251	\$ 22,408,600	\$ 16,546,407	\$ 2,250,142
Hemdon	\$ 97,183,116	\$ 964,334	\$ 1,653,143	\$ 1,653,143	\$ 5,144,881	\$ 26,297,778	\$ 28,577,866	\$ 32,891,971
Oakton	\$ 96,104,382		\$ 1,663,066	\$ 1,663,066	\$ 1,380,691	\$ 12,206,111	\$ 27,036,481	\$ 52,154,967
Falls Church	\$ 93,971,500						\$ 1,497,244	\$ 92,474,256
Total High School Renovations	\$ 615,982,792	\$ 147,246,110	\$ 58,984,461	\$ 42,346,399	\$ 53,063,999	\$ 60,912,489	\$ 73,657,998	\$ 179,177,336
Unfunded Portion	\$ 364,684,766			\$ 6,899,811	\$ 43,643,132	\$ 60,912,489	\$ 73,657,998	\$ 179,177,336
Total Renovations (All Schools)	\$ 1,592,715,948	\$ 280,853,609	\$ 196,847,679	\$ 123,125,367	\$ 114,658,669	\$ 133,750,555	\$ 129,242,875	\$ 614,237,194
Unfunded Portion	\$ 985,954,610			\$ 16,824,395	\$ 91,899,591	\$ 133,750,555	\$ 129,242,875	\$ 614,237,194
Special Program Facilities								
Interior Modifications for Capacity	\$ 5,000,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000			
Total Special Programs	\$ 5,000,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000			
Unfunded Portion	\$ -							
Infrastructure Management								
Technology Upgrades	\$ 24,875,000	\$ 4,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,125,000	\$ 2,125,000	\$ 10,625,000
ADA Upgrades	\$ 18,500,000	\$ 3,250,000	\$ 1,250,000	\$ 1,500,000	\$ 1,500,000	\$ 2,250,000	\$ 2,250,000	\$ 7,500,000
Roof Replacement	\$ 45,086,295	\$ 8,836,295	\$ 3,000,000	\$ 3,000,000	\$ 3,250,000	\$ 4,250,000	\$ 3,250,000	\$ 18,750,000
Athletic Infrastructure	\$ 16,250,000	\$ 2,500,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 2,000,000	\$ 750,000	\$ 7,250,000
HVAC Replacement	\$ 45,500,000	\$ 7,500,000	\$ 3,500,000	\$ 3,500,000	\$ 3,750,000	\$ 3,750,000	\$ 3,750,000	\$ 19,500,000
Security Enhancements	\$ 7,329,000	\$ 1,454,000	\$ 500,000	\$ 500,000	\$ 550,000	\$ 550,000	\$ 575,000	\$ 3,200,000
Asphalt Paving	\$ 9,400,000	\$ 1,500,000	\$ 625,000	\$ 750,000	\$ 750,000	\$ 875,000	\$ 800,000	\$ 4,100,000
Total Infrastructure Management	\$ 166,940,295	\$ 29,040,295	\$ 12,125,000	\$ 13,500,000	\$ 13,050,000	\$ 15,800,000	\$ 12,500,000	\$ 70,925,000
Unfunded Portion	\$ 112,275,000					\$ 15,800,000	\$ 12,500,000	\$ 70,925,000
Site Acquisition								
Future High School Site	\$ 10,000,000			\$ 10,000,000				
Total Site Acquisition	\$ 10,000,000			\$ 10,000,000				
Unfunded Portion	\$ -							
Total Project Cost	\$ 2,025,889,084	\$ 327,630,507	\$ 225,846,400	\$ 154,516,443	\$ 162,169,237	\$ 165,298,275	\$ 157,946,273	\$ 832,481,949
Funded Portion	\$ 743,074,416	\$ 327,630,507	\$ 225,846,400	\$ 137,584,048	\$ 47,363,449	\$ 4,483,483	\$ 166,529	\$ -
Unfunded Portion	\$ 1,282,814,668	\$ -	\$ -	\$ 16,932,395	\$ 114,805,788	\$ 160,814,792	\$ 157,779,744	\$ 832,481,949

Note: Numbers in Burgundy represent unfunded amounts.

Projections

Background

Each year, FCPS develops a 5-year CIP to address future facility needs. The CIP assesses requirements for new facilities, renovation of existing facilities, infrastructure management, technology upgrades, and other facility-related needs. The list of capital projects resulting from this assessment provides a clear statement of school facility requirements. Actual completion dates for CIP projects depend on cash flow and debt service limitations established by the Fairfax County Board of Supervisors.

The Office of Facilities Planning Services has begun to develop a comprehensive planning process to guide future facility needs and their inclusion with the CIP, among other future purposes. Presently, FCPS uses the following steps annually to aid in identifying future student accommodation needs and recommending the best ways to address those needs. Given the limitations in the current budget and possibly future years' budgets and the urgency to address significant and continuing capacity deficits at schools throughout the county, the focus of capital spending should be re-directed to capacity enhancement for those schools that are likely to experience continued pressures from high enrollments.

Step 1: Recent enrollment trends at each school and district-wide are considered, as well as births, local and regional economic conditions, planned/proposed/permitted new housing development, and other factors.

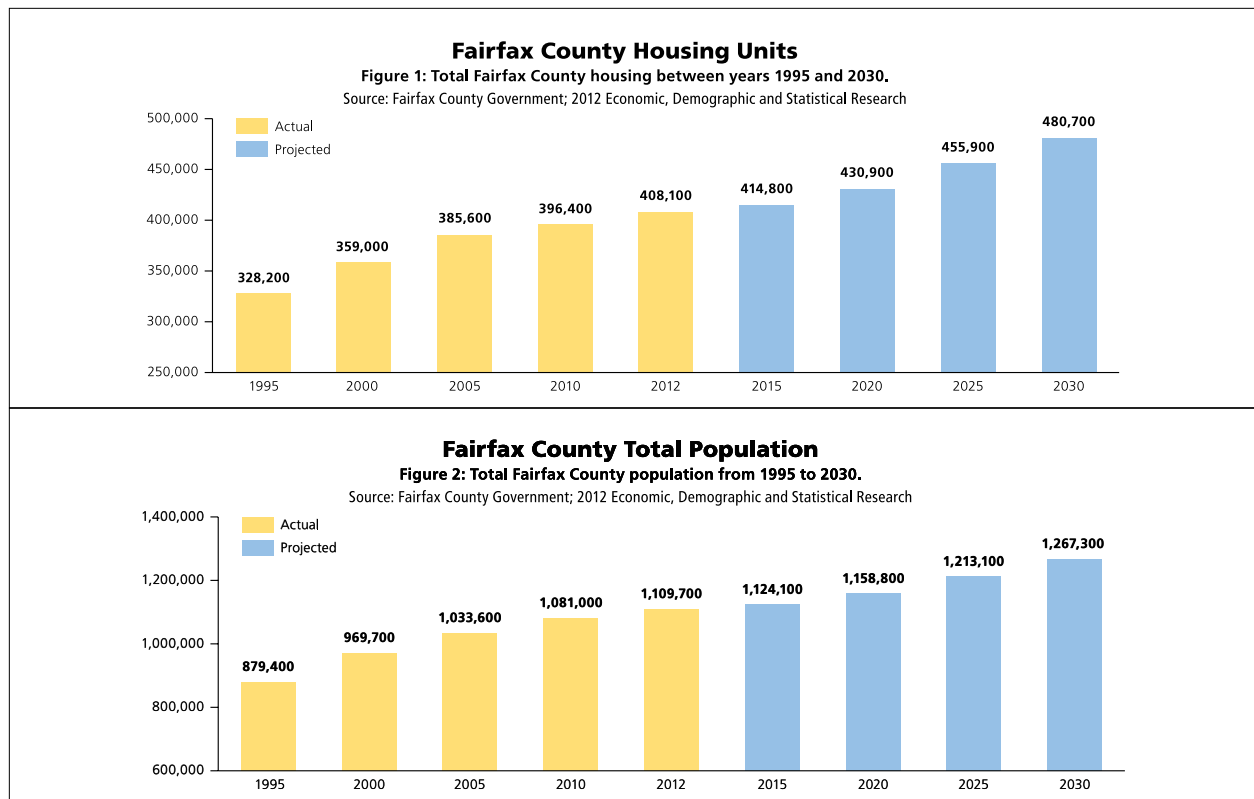
Facilities Planning Services develops enrollment projections in March of each year for the following six school years. School years two through six of the six-year March 2013 enrollment projection set provides the enrollment projections basis for the FY2015 – FY2019 CIP and other longer range facilities planning purposes at the school level and district-wide. The 5-year projection is extended to ten years and that table is included. However, the last five years of the 10-year projection set are developed only district-wide by grade and for special student populations.

The five years of detailed enrollment projections contained in the CIP (school years 2014-15 through 2018-19) are used to support detailed student accommodation planning for specific schools or groups of schools. Current program needs and the resulting school capacity surplus or deficit are established at the same time.

Step 2: Projected enrollments and capacities are compared, and resulting capacity shortages and surpluses are identified.

Step 3: Recommended solutions to the identified capacity imbalances are developed and evaluated.

The following section describes how these projections and analyses are formulated and summarizes their outcomes for the current-year planning cycle.



Projection Process

The process of developing FCPS enrollment projections is generally a “bottom-up process” for general education students, beginning with developing projections for elementary schools, then middle schools, and finally high schools. Developing projections for elementary schools includes projecting each successive year’s total entering Kindergarten class size according to the historical relationship between Kindergarten memberships and live births (five years prior) of Fairfax County and City residents by attendance areas for each projected school year. Each class (or age-cohort) is then aged through successive grade-levels according to grade-level historical ratios of progression (of prior-to current-year). Projections may be modified as necessary to take into account students entering each level, new dwelling completions, and other factors. For new dwellings expected to be occupied during the 5-year period, student “yield” or “generation” ratios are computed and used by general housing type to estimate the number of future students likely to enter FCPS from new housing. Although new housing had been the primary source of growth within FCPS historically, other factors such as the growth in minority populations and growing numbers of younger children, many from minority families, have had a greater impact to growth in recent years than new housing alone. Fairfax County and City are near build-out and new housing is unlikely to return as the primary source of enrollment growth within FCPS. Economic changes have also greatly affected growth in recent years within FCPS—including the continued weak housing and labor markets, and other economic factors (source: Fairfax County Government; 2012 economic, demographic, and statistical research).

Student populations, including Advanced Academic Programs (formerly Gifted and Talented), Special Education (level 2 or self-contained), FECEP/Head Start, Preschool Resource, Alternative High Schools and Alternative Court Programs, among other programs, are projected by specialists from each program or “need” area. These student population projections are included and shown either by school or within total projected membership, as appropriate.

Enrollment/Projection Trends

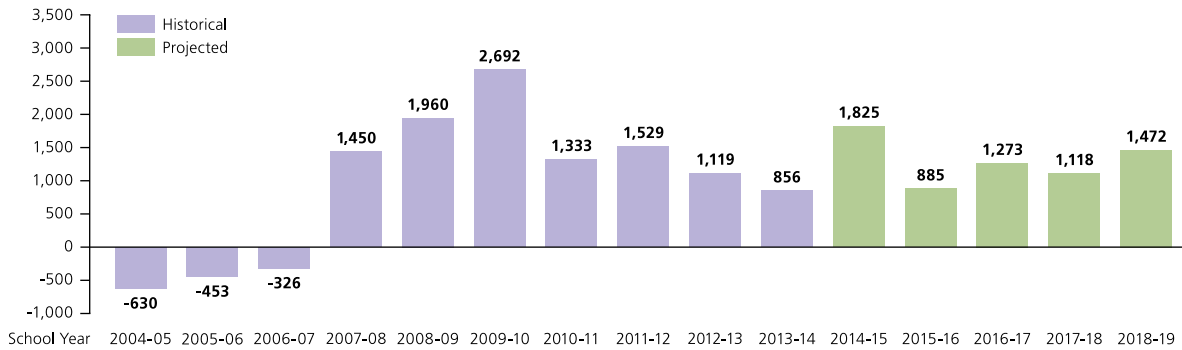
FCPS has experienced considerable membership growth in the most recent seven school years in contrast to the relatively flat enrollment of the immediately preceding four to five school years. Demographic growth and shifts, especially growing Hispanic and Asian populations, have also affected enrollment—more than offsetting declining White enrollment within FCPS—a trend that is likely to affect membership for the 5-year and 10-year projection horizon.

Fairfax County and City are mature jurisdictions. Fairfax County is approaching the build-out of land available for residential growth, especially for lower density residential development (source: Fairfax County Government; 2012 economic, demographic, and statistical research). Much of the planned and anticipated residential growth is likely to be higher in density, which traditionally has not included large numbers of the school-aged population. However, shifting uses and populations may change those historical facts. Some older, predominantly single-family neighborhoods may transition over time to include more young families with school-aged children with an increasing number and proportion of them being minorities: Hispanic, Asian or others. While it is too early to know with certainty, the likely continuing growth of ethnic diversity of Fairfax County and FCPS may continue to provide an offset to the declining White student population in the 5-year projection period and beyond.

Long term planned development related to the expansion of Metro rail through Tysons Corner, Reston, and Herndon is underway, as well as planned development in the Route 28 corridor. Once built, all of these facilities will affect housing demand, job growth and enrollment growth from both new and existing housing stock turnover in western Fairfax County.

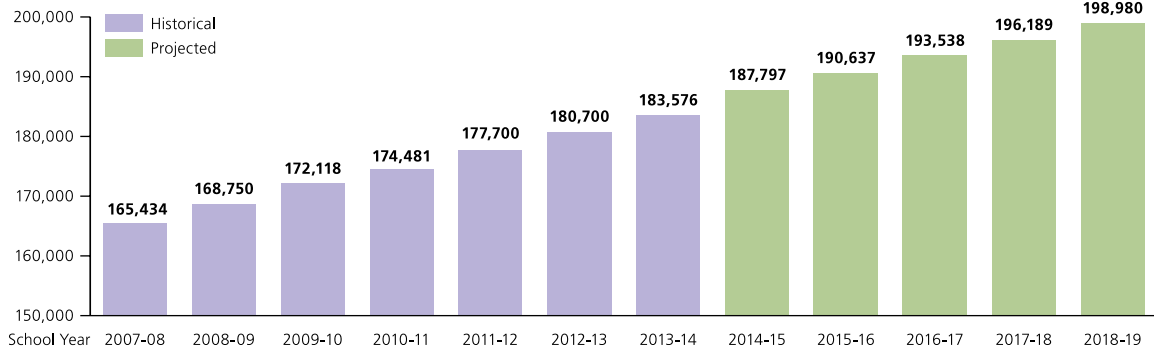
Net K-12 Student In-Migration to FCPS

Figure 3



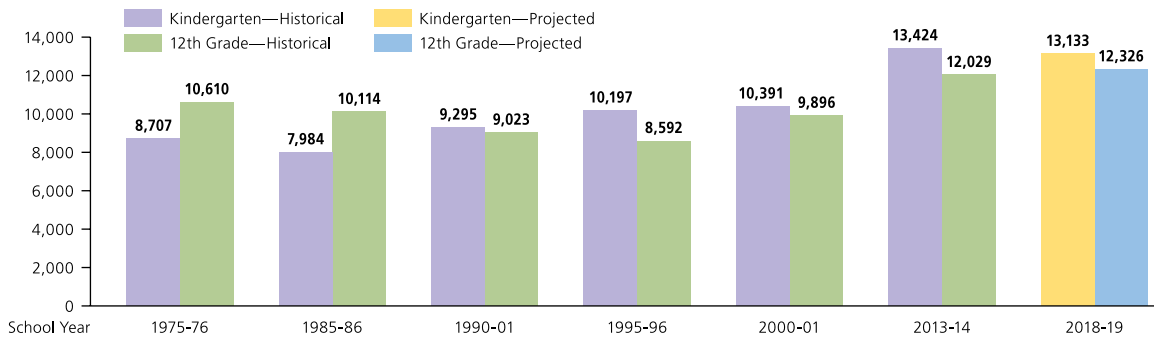
Historical and Projected Membership

Figure 4: Total enrollment historical and projected through 2018-19.



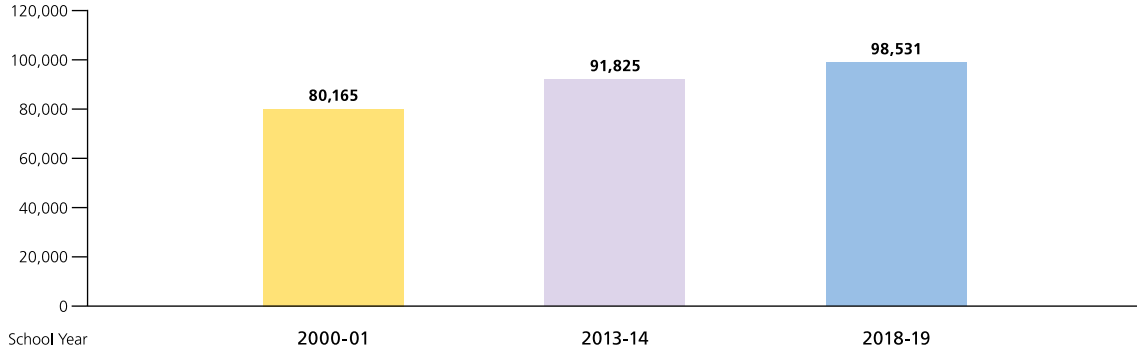
Comparison of Kindergarten and 12th Grade Membership

Figure 5: Kindergarten and 12th grade membership.



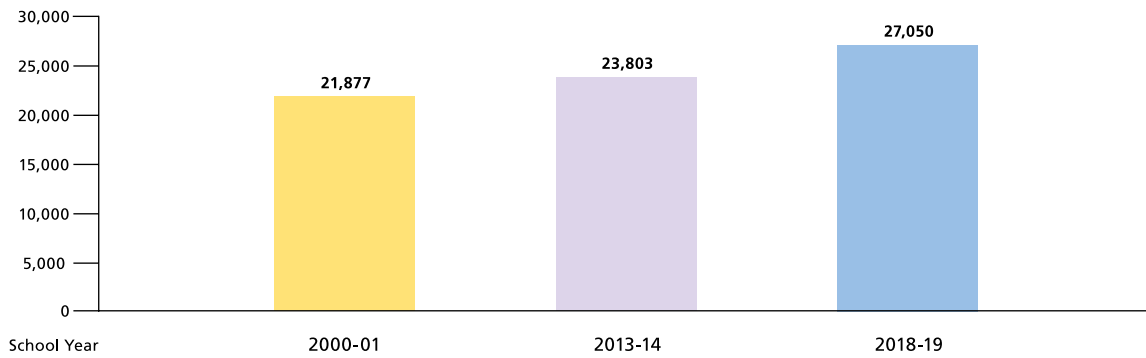
Countywide Grades K-6 School General Education and AAP Membership

Figure 6: Grades K-6 membership through 2018-19.



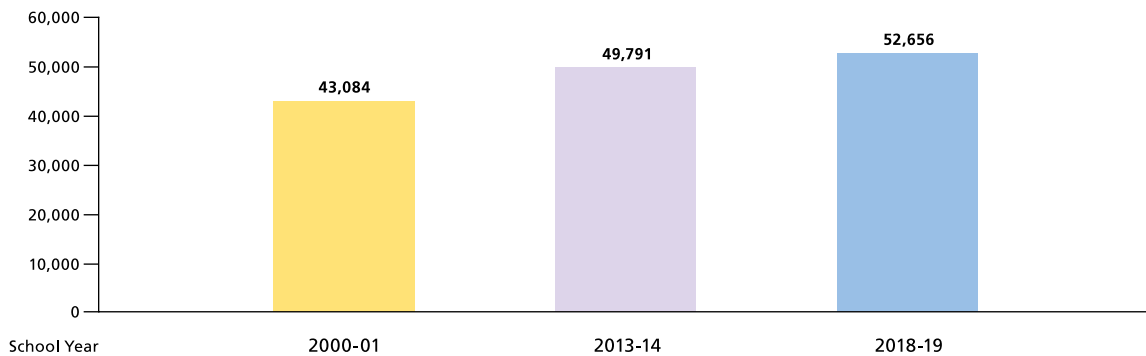
Countywide Grades 7-8 School General Education and AAP Membership

Figure 7: Grades 7-8 membership through 2018-19.



Countywide Grades 9-12 School General Education Membership

Figure 8: Grades 9-12 membership through 2018-19.



Enrollment Trends

Since September 2006 total FCPS membership has grown by nearly 20,000 students. Based on recent trends and absent significant changes to those trends, membership is projected to continue to increase over the 5-year CIP horizon. Membership is projected to grow at all levels reaching approximately 199,000 or higher by school year 2018-19.

Birth rates of Hispanic and Asian populations, in particular, of Fairfax County and City residents, are higher than those of the White population. Births to Hispanics alone in Fairfax County/City now comprise over one of every four births. As a result of the in-migration of young families and higher birth rates, we have seen increases in the lower elementary grades in many FCPS schools in each of the last seven school years. The complete implementation/transition to full-day Kindergarten for the 2011-12 school year has increased Kindergarten enrollment considerably. Altogether, K-6 elementary school enrollments have grown by over 12,700 students since 2006. We assume that growth in the primary grades will continue as births remain relatively high and the younger cohort groups progress through FCPS for the 5-year horizon and maybe beyond.

Total general education and AAP membership in Grades K-6, is projected to rise by over 6,700 students by the 2018-2019 school year to 98,500 or higher. Membership in Grades 7-8 is projected to rise by 3,200 to about 27,050 by school year 2018-2019. Enrollment in Grades 9-12 is projected to increase by nearly 2,900 students to 52,650 students by school year 2018-19.

In looking at the full 10-year projection horizon, enrollment growth will likely continue in general education and AAP populations in grades K-6, at least through 2018-19 school year. As birth data are available, Kindergarten projections will be updated. Growing enrollment is also projected in Grades 7 and 8 and Grades 9-12 through 2023-24.

Special Population and Program Enrollments

Fairfax Early Childhood Education Program (FECEP) enrollment is program fund-dependent and is projected to reach an enrollment level of approximately 1,750 by school year 2018-19, unless funding is increased sooner.

In September 2013, approximately 32,000 (17.3% of total) students in FCPS were eligible in the English for Speakers of Other Languages (ESOL) program.

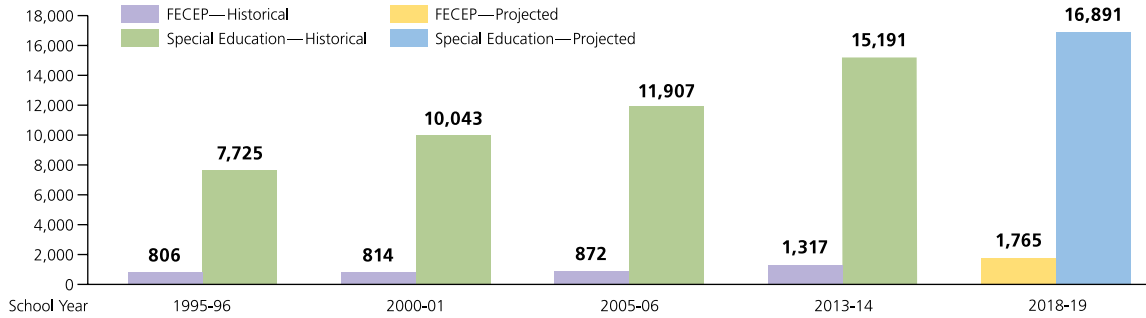
In October 2013, there were over 51,500 (28.0% of total) students who were eligible for the Free and Reduced Meal (FRM) program.

Students reported as White (non-Hispanic White) comprised the largest percentage 41.4% of total students in September 2013, compared to 47.7% in September 2007 and 54.1% in 2002. The percentage of students of Hispanic/Latino ethnicity has been growing fastest and was 23.6% in 2013 compared with 17.1% in 2007 and 14.6% in 2002. The percentage of Asian students (previously defined as Asian/Pacific Islander) has grown considerably over time and was 19.5% in 2013 compared with 18.3% in 2007 and 16.6% in 2002. The percentage of Black students was 10.3% in 2013 compared with 10.6% in 2007 and 10.5% in 2002. Altogether, the growth in Hispanic and Asian minorities has offset the long-term loss in White population within FCPS to date. In September 2013, the percentage of students identified as being Two or More Races was 4.9% compared with (previously defined as Multiracial and had included Hispanics in some cases) 5.7% in 2007 and 3.5% in 2002. Two groups, American Indian and Alaska Natives together with Native Hawaiians, together comprised 0.3% of student population in 2013 compared with 0.4% (American Indian and Alaskan Natives only) in 2007.

As noted, adjustments have been made within the last several school years to the "Two or More Races" or "Multiracial" groupings. The previously identified "Undesignated" grouping was eliminated. "Asian and Pacific Islander" was changed to simply "Asian" in recent years with the identification of Native Hawaiian as a separate category. The group Pacific Islanders is now included with Native Hawaiians.

Historical and Projected FECEP and Special Education Memberships

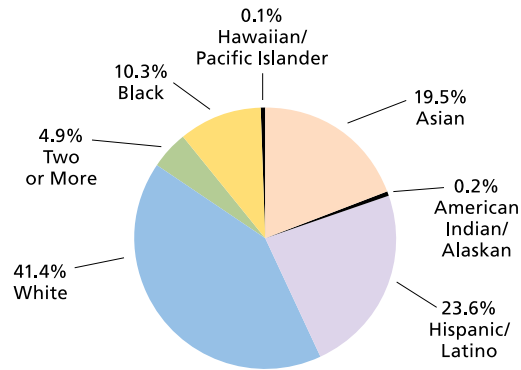
Figure 9: Special Education enrollments through school year 2018-19.



Note: School Years 2013-14 and 2018-19 Special Education totals include Preschool Resources.

2013-14 School Year Percentage of Ethnic Membership*

Figure 10: Percent by race/ethnicity.



*U.S. Department of Education and local reporting categories.

FCPS MEMBERSHIP HISTORY AND 10-YEAR PROJECTIONS

School Year	Historical Membership														Spec. Ed.	Alt. Prog. ESL Trans	Total Enrollment
	FCEP	K	1	2	3	4	5	6	7	8	9	10	11	12			
2004-05	889	10,581	11,640	11,524	11,632	11,417	11,432	11,515	11,537	11,550	12,017	11,889	11,722	10,616	11,759	2,110	163,830
2005-06	872	10,746	11,505	11,383	11,430	11,465	11,366	11,489	11,217	11,389	12,206	11,743	12,084	10,766	11,907	1,966	163,534
2006-07	887	10,680	11,532	11,348	11,361	11,328	11,433	11,402	11,172	11,215	11,912	11,949	11,974	11,035	12,432	1,933	163,593
2007-08	1,073	11,038	11,630	11,561	11,390	11,366	11,502	11,725	11,396	11,339	11,853	11,776	12,321	10,891	12,455	2,118	165,434
2008-09	1,077	11,528	11,968	11,831	11,750	11,612	11,579	11,733	11,391	11,193	12,078	11,696	12,265	11,393	13,879	1,804	168,777
2009-10	1,094	11,980	12,466	12,091	12,053	11,905	11,686	11,725	11,647	11,646	12,193	11,961	12,238	11,408	14,115	1,902	172,110
2010-11	1,096	12,221	12,870	12,562	12,150	12,031	11,889	11,820	11,553	11,736	12,362	12,015	12,505	11,463	14,497	1,703	174,473
2011-12	1,123	13,009	13,083	12,961	12,602	12,170	12,061	11,945	11,683	11,737	12,499	12,197	12,583	11,731	14,747	1,580	177,711
2012-13	1,220	13,339	13,561	13,203	13,015	12,623	12,257	12,147	11,751	11,765	12,523	12,307	12,648	11,849	14,945	1,511	180,664
2013-14	1,317	13,424	13,898	13,575	13,130	12,963	12,587	12,248	11,857	11,946	12,616	12,402	12,744	12,029	15,191	1,649	183,576
Projected Membership																	
2014-15	1,524	13,421	14,128	14,087	13,848	13,273	13,123	12,596	12,146	12,061	12,611	12,407	12,874	12,061	15,691	1,946	187,797
2015-16	1,620	13,584	14,000	14,236	14,197	13,746	13,341	13,050	12,538	12,302	12,645	12,407	12,803	12,195	15,985	1,988	190,637
2016-17	1,685	13,430	14,185	14,092	14,507	14,074	13,773	13,308	12,960	12,711	12,859	12,535	12,999	12,119	16,279	2,022	193,538
2017-18	1,733	13,268	14,038	14,284	14,380	14,385	13,990	13,744	13,187	13,137	13,328	12,756	13,134	12,188	16,580	2,057	196,189
2018-19	1,765	13,133	13,884	14,147	14,578	14,278	14,550	13,961	13,680	13,370	13,746	13,227	13,357	12,326	16,891	2,087	198,980
2019-20	1,818	13,000	13,835	13,992	14,311	14,558	14,331	14,580	13,813	13,872	14,165	13,582	13,788	12,575	17,096	2,111	201,427
2020-21	1,872	12,800	13,663	13,939	14,145	14,273	14,608	14,347	14,421	13,997	14,659	13,993	14,153	12,996	17,247	2,129	203,243
2021-22	1,929	12,600	13,426	13,766	14,099	14,106	14,328	14,611	14,196	14,620	14,785	14,484	14,577	13,348	17,337	2,139	204,351
2022-23	1,987	12,400	13,191	13,528	13,934	14,055	14,162	14,325	14,458	14,389	15,431	14,611	15,081	13,754	17,373	2,142	204,820
2023-24	2,046	12,400	12,987	13,289	13,704	13,884	14,107	14,150	14,183	14,664	15,172	15,254	15,219	14,233	17,366	2,140	204,798

Note: Enrollment totals include counts or projections of General Education enrollment plus AAP students.
 Note: Beginning with School Year 2008-09 the Special Education column includes all Special Education totals, including those in centers, including preschool centers.
 Note: The Alternative Programs column is the total enrollment at all centers excluding Preschool Special Education and FECEP totals.
 Note: Based on a set of modified projections.

FCPS MEMBERSHIP HISTORY AND 10-YEAR PROJECTIONS BY GRADE GROUP

Historical Membership

School Year	FECEP	K - 6	Grades 7 - 8	9 - 12	Special Education	Alt. Prog. ESL Trans.	Total
2004-05	889	79,741	23,087	46,244	11,759	2,110	163,830
2005-06	872	79,384	22,606	46,799	11,907	1,966	163,534
2006-07	887	79,084	22,387	46,870	12,432	1,933	163,593
2007-08	1,073	80,212	22,735	46,841	12,455	2,118	165,434
2008-09	1,077	82,001	22,584	47,432	13,879	1,804	168,777
2009-10	1,094	83,906	23,293	47,800	14,115	1,902	172,110
2010-11	1,096	85,543	23,289	48,345	14,497	1,703	174,473
2011-12	1,123	87,831	23,420	49,010	14,747	1,580	177,711
2012-13	1,220	90,145	23,516	49,327	14,945	1,511	180,664
2013-14	1,317	91,825	23,803	49,791	15,191	1,649	183,576

Projected Membership

2014-15	1,524	94,476	24,207	49,953	15,691	1,946	187,797
2015-16	1,620	96,154	24,840	50,050	15,985	1,988	190,637
2016-17	1,685	97,369	25,671	50,512	16,279	2,022	193,538
2017-18	1,733	98,089	26,324	51,406	16,580	2,057	196,189
2018-19	1,765	98,531	27,050	52,656	16,891	2,087	198,980
2019-20	1,818	98,607	27,685	54,110	17,096	2,111	201,427
2020-21	1,872	97,775	28,418	55,801	17,247	2,129	203,243
2021-22	1,929	96,936	28,816	57,194	17,337	2,139	204,351
2022-23	1,987	95,595	28,847	58,877	17,373	2,142	204,820
2023-24	2,046	94,521	28,847	59,878	17,366	2,140	204,798

Note: Enrollment totals include counts or projections of General Education enrollment plus AAP students.

Note: Beginning with School Year 2008-09 the Special Education column includes all Special Education totals, including those in centers, including preschool centers.

Note: The Alternative Programs column is the total enrollment at all centers excluding Preschool Special Education and FECEP totals.

Note: Based on a set of modified projections.

Capacity

Assessment of Facility Capacity

School Capacity—Information and Assessment

Understanding and accurately capturing school capacity has become increasingly important as FCPS struggles to meet the challenge of increasing enrollment pressures in many schools, especially given that membership has grown by approximately 20,000 students since the fall of 2006. Knowing how many students a school can accommodate allows FCPS to quickly assess appropriate program placement and to develop student accommodation solutions. Accurate school capacity assessment helps to ensure that classroom spaces are sized appropriately and spaces are designed with flexibility in order to meet the needs of multiple and/or changing instructional programs. Beyond current programmatic and enrollment challenges, accurate capacity assessments are necessary to formulate long-term facility plans.

As a follow-up to the 2007 DeJong Capacity Study and the 2008 implementation of a new methodology for school capacity calculation, FCPS provided detailed school capacity and facility information on the public website in the form of a Facilities and Enrollment Dashboard, which may be found at www.fcps.edu/fts. The methodology used to calculate capacity for each school type can be found at: www.fcps.edu/fts/dashboard under the link "Methodology and Calculation."

It should be noted that for some schools, the capacity as listed in the CIP may vary with that provided on the Facilities and Enrollment Dashboard. The numbers that are provided in the CIP are considered to be the Planning Program Capacities; the capacity numbers posted on the Dashboard are the Transfer Program Capacities, based on existing classroom usage. The planning capacity listed for a school reflects the potential for classrooms used as non-teaching space to be recaptured for classroom use as may be needed to accommodate program changes and enrollment growth.

What is the School Capacity Model?

It is important to note that school capacity is measured differently depending upon the school type. For instance, elementary schools are calculated based upon the number of core classrooms and self-contained special education rooms. FCPS middle schools are team taught, which limits the amount of students to the quantity of rooms required to support a team. High school capacity is far more complex than that in elementary and middle schools. The capacity of a high school is based upon the required core programs and the various elective options available.

Modular additions continue to be counted towards capacity while trailer classrooms do not. Classroom trailers will continue to remain on site in many schools where small capacity deficits or even capacity surplus exists, largely due to lack of funding to remove and store elsewhere. Trailer relocations, however, will take place when additional trailers are needed to accommodate an increase in enrollment at specific schools.

Having determined the overall methodology that would be used to determine capacity for elementary, middle, and high schools, it is then necessary to determine how each individual school is using space. FCPS is very meticulous in assessing the capacity of each school by conducting a site survey of each building. The Office of Design and Construction has a dedicated Capacity Architect who surveys the current use of every space within our schools. With this specific information, the capacity of each school is determined based upon building design, unique characteristics, and program utilization. Thus, two schools with the same exact physical characteristics can have very different capacities depending upon the programs that are assigned to those schools. Capacities can change from year to year based upon programs and changes made by the School Board such as an increase or decrease in class size.

Expanded facility and membership information for all schools may be viewed at the following link: www.fcps.edu/fts under the link "Facility & Enrollment Dashboard - Fall 2013". In a dashboard-style format, the website provides enrollment and projection updates for individual schools with projection and capacity updates provided as needed to reflect program changes, modifications to the physical school building or changes to educational specifications on class size. Most recently, additional data have been added, including the number of out of boundary students, the transfer status for schools (open or closed to transfer), information regarding program distribution in each high school pyramid and their feeder schools, and whether the school projections are trending up or down. The capacity model is used to help identify critical capacity surpluses and deficits. The capacity assessments for all schools will serve to inform and direct facilities planning activities such as identifying schools that should be closed to transfers; prioritizing temporary/permanent classrooms or building additions; and, guide new program placement and boundary changes.

Temporary Classroom Needs

Fairfax County Public Schools has established a supplemental capacity to accommodate students through the temporary provision of portable classroom trailers. This resource allows the School Board to maintain intended student-per-classroom and per-instructor ratios despite short-term fluctuations in school enrollments.

As of October 23, 2013, 900 portable classrooms are in use to address student membership and program requirements at schools where the buildings themselves lack sufficient capacity. FCPS is implementing multiple strategies to reduce the number of students that would otherwise receive instruction in temporary facilities. These include architectural modification of existing spaces to provide additional instructional areas, expanding capacity as part of a school renovation, relocating modular additions as permanent construction is completed, and shared use of School Aged Child Care (SACC) classrooms during the regular school day.

Determining Renovation Requirements

Approximately two out of every three Capital Improvement Program dollars are earmarked for renovation of existing school facilities. This significant expenditure reflects the age of FCPS facilities and the



Spring Hill ES: Building Addition

School Board’s commitment to assuring that all schools provide the facilities necessary to support current educational programs. Ideally, renovations should be programmed to accommodate a 20-25 year cycle in order to protect our capital investment. The renovation program is funded and executed according to a published priority listing, known as the renovation queue, which is based upon condition assessments provided by independent architectural and engineering firms.

FCPS commissioned school evaluation studies in 1988, 2000 and, more recently, in 2008. The first two studies assessed buildings on two criteria—the condition and age of the facility. The Department of Facilities and Transportation and the School Board subsequently determined that these two evaluation criteria were not adequate to capture FCPS needs. When the new facility evaluation study was commissioned in 2008, the following evaluation criteria, weighted by importance, were developed:

- Quantity and quality of core instructional spaces 40%
- Age and condition of the facility 30%
- Quantity and quality of supplemental instructional space 10%
- Adequacy of administrative and support space 10%
- Code compliance of the facility 10%

Multiple teams of architects and engineers evaluated each FCPS school that had been constructed or renovated prior to 1992—a total of 63 schools were included in the 2008 study. The scores were totaled from each consulting team, resulting in the ranked order of schools from the lowest to the highest, as provided in the table on page 25.

With the development of multiple and weighted evaluation criteria, it was also determined that this established renovation queue would be revisited periodically. A new consultant study is scheduled for 2016 which could result in modifications to the renovation queue. Further, the School Board is undertaking a review of the criteria and weighting of the criteria prior to the scheduled independent condition assessment. Renovation projects that have been approved as part of a prior bond referendum will not be subject to a new evaluation or any change to the rank order in the current renovation queue.

Final Rankings								
School Name	Rank	Score	School Name	Rank	Score	School Name	Rank	Score
Clermont ES***	1	52.23	Mount Vernon			Bren Mar Park ES	46	70.28
Terraset ES**	2	54.18	Woods ES*	24	63.81	Brookfield ES	47	71.29
Sunrise Valley ES**	3	56.77	Herndon HS*	25	63.84	Lees Corner ES	48	72.40
Garfield ES**	4	56.81	Rocky Run MS*	26	63.88	Armstrong ES	49	72.53
Terra Centre ES**	5	57.65	Belle View ES*	27	64.06	Willow Springs ES	50	73.33
Thoreau MS**	6	58.05	Annandale Terrace ES	28	64.19	Centreville HS	51	73.63
Westgate ES**	7	58.14	Clearview ES	29	64.21	Herndon ES	52	73.68
Haycock ES**	8	59.00	Oakton HS*	30	64.54	Dranesville ES	53	74.97
Langley HS**	9	59.14	Hughes MS	31	64.66	Cub Run ES	54	75.27
Ravensworth ES**	10	59.96	Silverbrook ES	32	64.83	Franklin MS	55	75.74
Woodlawn ES**	11	60.25	Hybla Valley ES	33	64.87	Union Mill ES	56	76.29
Forestville ES**	12	60.28	Cooper MS	34	65.90	Centre Ridge ES	57	76.64
North Springfield ES**	13	60.41	Frost MS	35	66.06	Poplar Tree ES	58	76.86
Springfield Estates ES**	14	60.88	Washington Mill ES	36	66.12	Waples Mill ES	59	77.30
Keene Mill ES**	15	60.89	Braddock ES	37	66.17	Sangster ES	60	77.39
Bucknell ES**	16	61.60	Fox Mill ES	38	66.51	Twain MS	61	78.38
Cherry Run ES*	17	61.78	Oak Hill ES	39	66.63	Saratoga ES	62	78.84
Waynewood ES*	18	62.17	Wakefield Forest ES	40	67.47	Virginia Run ES	63	83.13
Stratford Landing ES*	19	62.50	Louise Archer ES	41	68.24			
Newington Forest ES*	20	62.52	Crossfield ES	42	68.98			
Hollin Meadows ES*	21	62.59	Mosby Woods ES	43	69.96			
White Oaks ES*	22	62.70	Bonnie Brae ES	44	70.03			
West Springfield HS*	23	63.10	Falls Church HS	45	70.11			

* Planning funds approved
 ** Construction funds approved
 *** Renovation completed

Building New Replacement Schools Versus Renovating Existing Schools

The Department of Facilities and Transportation has been requested a number of times over the past 15 years to consider constructing a new facility in lieu of renovating an existing building.

Whether we construct a new building or renovate an existing one the considerations are typically the same:

- will the facility support the program of studies, and
- what are the costs associated with the project?

Accommodation of the Program of Studies

The most important aspect of a school facility is its ability to support the program of studies as defined within the educational specifications. In the case of all FCPS renovation projects the facility is altered or receives additional space to bring the building into alignment with the current version of the educational specifications. These specifications have been developed over many years and are used to maintain equity across the system as well as ensure that costs to construct a facility can be adequately estimated and budgeted within the Capital Improvement Program (CIP).

In addition to the educational specifications, staff uses the five year enrollment projections to determine the number of classrooms needed at a school, the quantity of supplemental educational spaces, the size of common spaces (cafeteria for example), the main office and other administrative areas. If projections indicate more space is needed, renovations include construction of additional space.

Regardless of whether a project is a renovation or new construction, the facility receives the identical infrastructure support (fire alarm, sound system, CATV, data/voice network) as well as equipment and casework for each space as defined in the educational specifications. As is currently the case, renovated facilities will be treated as if they were new structures and receive the full complement of spaces, infrastructure and equipment appropriate for their anticipated population.

Cost Comparison

A significant portion of the costs of most construction projects lies in site development (grading, site utilities, parking lots) and in the structure of the building itself. Site development and building structure comprise as much as 60% of the cost of construction. When a facility is renovated the bulk of this work is already in place, therefore the cost of renovations are typically significantly lower than the cost to build new.

To document this point, we offer the following actual renovation and new construction cost comparisons within Fairfax County Public Schools. You will note that the schools we are comparing are similar in size and the projects occurred at about the same period of time.

Key MS Renovation and the Glasgow MS Replacement Project

PROJECT	KEY MS RENOVATION	GLASGOW MS REPLACEMENT
Bid Date	November 2005	May 2006
Square Footage	203,000	197,000
Construction Cost	\$23,751,000	\$33,997,000
Costs per SQ FT	\$117	\$172

Both of these projects were bid in the midst of the construction price escalation during the middle of the past decade. The Glasgow MS project is the only instance in which we elected to construct a new replacement facility on the same site as the existing structure. Included in the bid was the cost to demolish and recycle the existing building (approximately \$2,000,000) which obviously increased the delta between new construction and renovation. These additional demolition costs would typically be present whenever a decision is made to build new versus renovate as something must be done with the old building.

Longfellow MS Renovation and South County MS

PROJECT	LONGFELLOW MS RENOVATION	SOUTH COUNTY MS NEW
Bid Date	December 2009	February 2010
Square Footage	175,795	176,900
Construction Costs	\$18,900,000	\$22,110,000
Costs Per SQ FT	\$107	\$125

This comparison is not as straightforward as the prior example because the Longfellow project included significant additional square footage which comprised more than 35% of the overall project costs. Nevertheless, in spite of the significant additions to Longfellow and the fact that the South County MS project did not involve demolition, the new building cost per square foot was 16% above that of the renovation.

Westlawn ES Renovation and Mason Crest ES

PROJECT	WESTLAWN ES RENOVATION	MASON CREST ES NEW
Bid Date	February 2010	July 2010
Square Footage	95,743	98,500
Construction Costs	\$10,370,000	\$13,749,000
Costs Per SQ FT	\$108	\$140

In this case we have a more typical comparison scenario as the construction of Mason Crest ES required the demolition of an existing structure to allow for the new building to be constructed. The Westlawn project required an addition which equated to approximately 23% of the overall project. The new construction costs per square foot were approximately 30% higher than the renovation.

These comparisons illustrate that building a new school will cost approximately 20-30 percent more than renovating an existing building.

Environmental Impact of Building New and Renovation

Whenever a building is constructed, there is a significant amount of carbon expended during the manufacture, transportation, installation of materials and construction of the building. This is known as the carbon footprint. The ongoing operation and maintenance of a building has a carbon footprint as well.

According to research, the amount or volume of carbon produced during the construction of a building is directly related to its size and the type of material used to construct the facility. It takes many years for the initial carbon contribution of a building to be absorbed naturally. For example, a typical home in the United States would require approximately 10 years of absorption before the initial carbon contribution was mitigated naturally. In the case of our schools the time line is much longer. A standard elementary school would require around 45 years of absorption and a high school approximately 75-80 years.

Most of the schools that are in our renovation queue are approximately 45 years old. This means that for our middle and high schools, the initial carbon footprint investment has yet to be absorbed. Renovating these buildings does add to the carbon footprint but substantially less than building a new building and demolishing the existing structures.

In addition to the significantly larger carbon footprint there are other sustainable considerations when determining whether to build new or renovate. For example, many parts of a building such as block, brick and paint are not recyclable. Renovations do not require that we dispose of these existing materials whereas building a new school and demolishing the old building does introduce these materials into the waste stream.

It is safe to say the most sustainable building is one that has already been built, even if the renovated building may not be quite as energy efficient as a new building.

Conclusion

Given the cost and environmental implications, and considering that we ensure renovated buildings contain all essential spaces to allow the effective delivery of the school system's program of studies, staff believes that we should maintain our practice of renovating, not replacing, schools.

Enrollment and Capacity Comparisons

To be effective as a planning tool, comparisons between enrollment and capacity should be performed at three levels: countywide, by selected groupings of adjoining schools, and by individual school. Comparisons at the latter two levels are included in the attached cluster data. Discussed below are the countywide comparisons, by level, for the 5-year planning period.

Countywide Comparisons

In the current 2013-14 school year, thirteen elementary (including modular additions) and two high schools have a capacity utilization of 115% or more. The number of schools with capacity utilization of 115% or more is projected to increase to thirty elementary, five middle, and four high schools in the school year 2018-19.

School-Level Comparisons

A better understanding of our ability to accommodate students and their instructional needs emerges by reviewing the circumstances at individual schools. Comparisons of school capacity and projected membership for individual schools at all levels are presented in the following cluster analysis summaries. There are thirty elementary schools with a capacity utilization of 115% or more during the next five years—the deficit level at which some kind of student accommodation action appears necessary. They are shown below in Table 1. Note that the impact of funded new schools (if any) are not reflected in this analysis since the effect for any one school cannot be determined until the new boundary is drawn. Also note that the benefits of any temporary classrooms allocated to these schools are not reflected, because they are not part of permanent building capacity to accommodate students and programs. Additional capacity provided by modular additions is included in the analysis.

Table 1
Projected Elementary School Capacity Utilization of 115% or More In 2018-19

School Name	Capacity Utilization		School Name	Capacity Utilization		School Name	Capacity Utilization	
	2013-14	2018-19		2013-14	2018-19		2013-14	2018-19
Belvedere	99%	115%	Forestdale	93%	131%	Lorton Station	122%	134%
Bren Mar Park	99%	151%	Franconia	102%	128%	Lynbrook	92%	118%
Cameron	76%	117%	Freedom Hill	102%	134%	McNair	125%	166%
Cardinal Forest	94%	117%	Glen Forest	104%	132%	Mosby Woods	104%	116%
Chesterbrook	109%	118%	Graham Road	107%	121%	Mount Eagle	95%	159%
Coates	106%	181%	Greenbriar West	121%	125%	Pine Spring	101%	133%
Columbia	102%	140%	Groveton	96%	123%	Shreveewood	106%	125%
Dogwood	111%	133%	Hybla Valley	124%	135%	Westlawn	101%	116%
Eagle View	87%	118%	Lake Anne	92%	136%	Willow Springs	107%	124%
Fairhill	98%	123%	Lane	91%	128%	Woodburn	111%	131%

The large number of schools with significant capacity deficit results from the combined effects of three factors:

- Continuing growth in special and general education enrollment.
- Recent enhancements to the instructional program implementing Full-Day Kindergarten and lower-ratio instruction in many elementary schools.
- Projection of these combined effects into an additional year, as part of the 5-year rolling window of assessment.

Fifty-four elementary schools are expected to have a capacity utilization of 95% or less for the 2018-19 school year: Poplar Tree, Cub Run, Ravensworth,

Bonnie Brae, Churchill Road, Fox Mill, Cherry Run, Waynewood, Wolftrap, Terra Centre, Little Run, Crossfield, Garfield, North Springfield, Deer Park, Bucknell, Mount Vernon Woods, Canterbury Woods, Sunrise Valley, Forestville, Colvin Run, Saratoga, Mantua, Virginia Run, Kings Glen, Silverbrook, Newington Forest, Great Falls, Mason Crest, Beech Tree, Floris, Terraset, Wakefield Forest, Gunston, Forest Edge, Camelot, Flint Hill, Fort Hunt, Oak Hill, Centreville, Laurel Ridge, Oak View, Louise Archer, Marshall Road, Haycock, Cunningham Park, Vienna, Olde Creek, Fairview, Rolling Valley, West Springfield, Hollin Meadows, Bailey's, and Colin Powell.

The projected Elementary School capacity utilizations are depicted on **Map 1**.

Table 2
Projected Middle School Capacity Utilization of 115% or More In 2018-19

School Name	Capacity Utilization		School Name	Capacity Utilization		School Name	Capacity Utilization	
	2013-14	2018-19		2013-14	2018-19		2013-14	2018-19
Carson	99%	116%	Jackson	102%	131%	Longfellow	99%	115%
Glasgow	91%	117%	Kilmer	112%	133%			

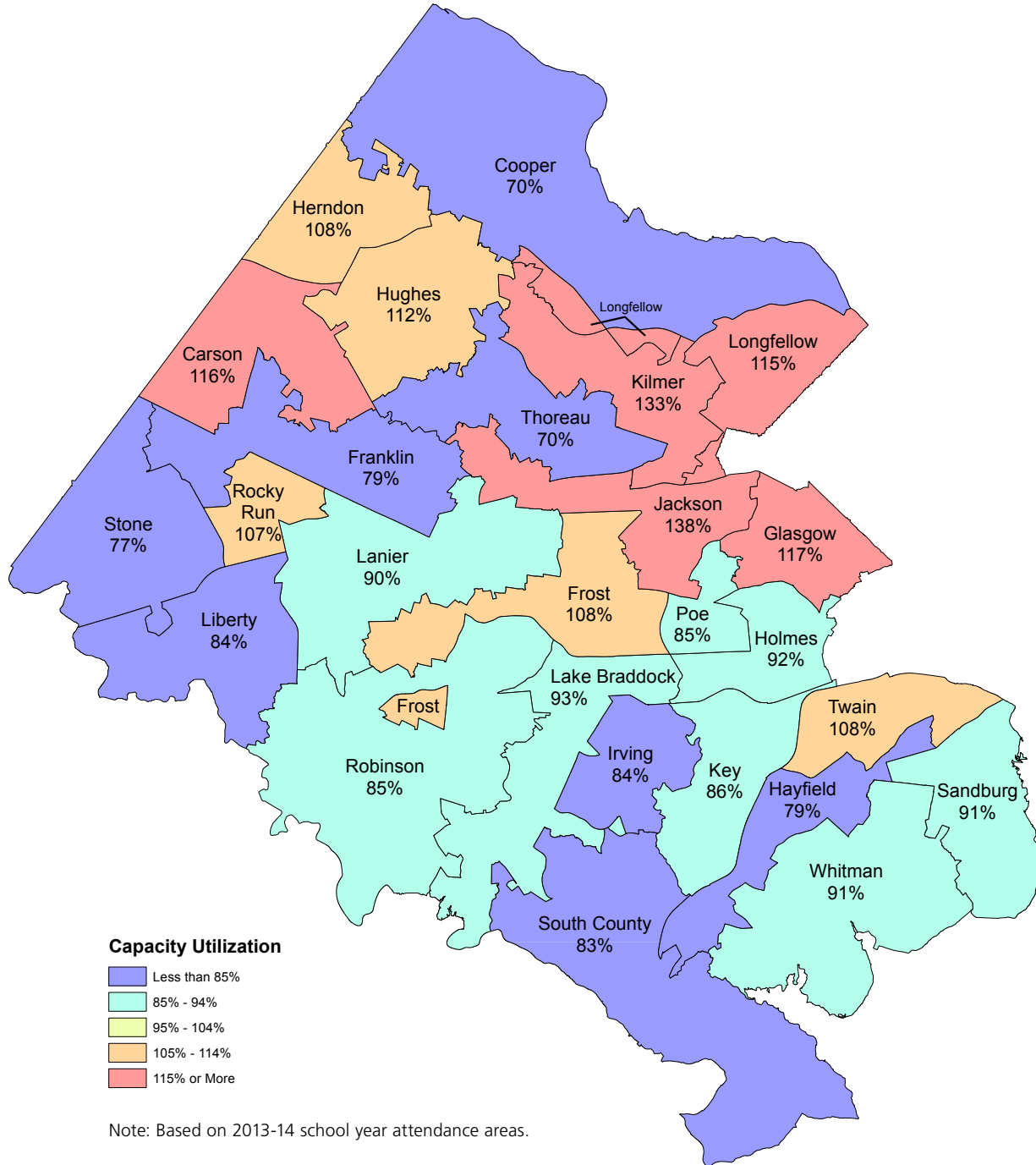
Projected middle school capacity utilization of 115% or more is shown in Table 2. Again, the impact of funded new schools, if applicable, are not reflected in this analysis, since the effect for any one school cannot be determined until the new boundary is drawn.

During the next five school years (2014-2018), five middle schools are projected to have capacity utilization of 115% or more. They are: Carson,

Glasgow, Jackson, Kilmer, and Longfellow. Middle schools with capacity utilization of 95% or less in the 2018-19 school year include: Lanier, Liberty, Hayfield, Irving, Lake Braddock, Franklin, Cooper, Key, Stone, Thoreau, Poe, Robinson, South County, Sandburg, Whitman, and Holmes.

The projected Middle School capacity utilizations are illustrated on **Map 2**.

Map 2 Middle School Capacity Utilization, School Year 2018-19



This map can be viewed online. Visit www.fcps.edu/fts/planning/maps.

Table 3
Projected High School Capacity Utilization of 115% or More In 2018-19

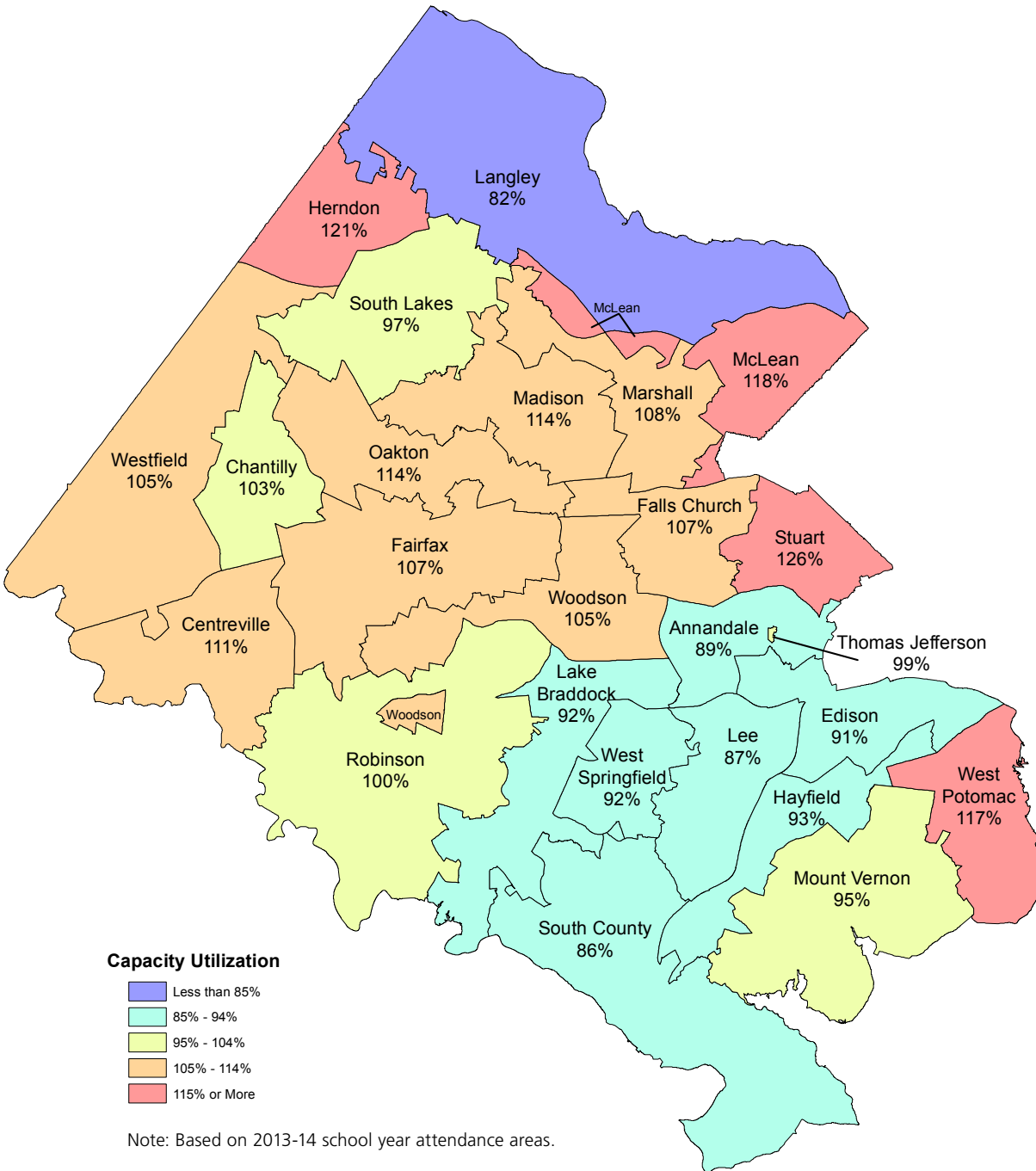
School Name	Capacity Utilization		School Name	Capacity Utilization		School Name	Capacity Utilization	
	2013-14	2018-19		2013-14	2018-19		2013-14	2018-19
Herndon	108%	121%	Stuart	93%	126%	West Potomac	105%	117%
McLean	104%	118%						

During the next five school years (2014-2018), four high schools are estimated to have a capacity utilization of 115% or more: Herndon, McLean, Stuart, and West Potomac. As previously indicated, the impact of funded new schools, if applicable, is not reflected. Capacity provided by funded permanent and modular additions is included in the analysis. High schools with

capacity utilization of 95% or less in the 2018-19 school year are: Lake Braddock, Lee, Edison, Langley, Hayfield, South County, Annandale, West Springfield, and Mount Vernon.

The projected high and secondary school capacity utilizations are illustrated on **Map 3**.

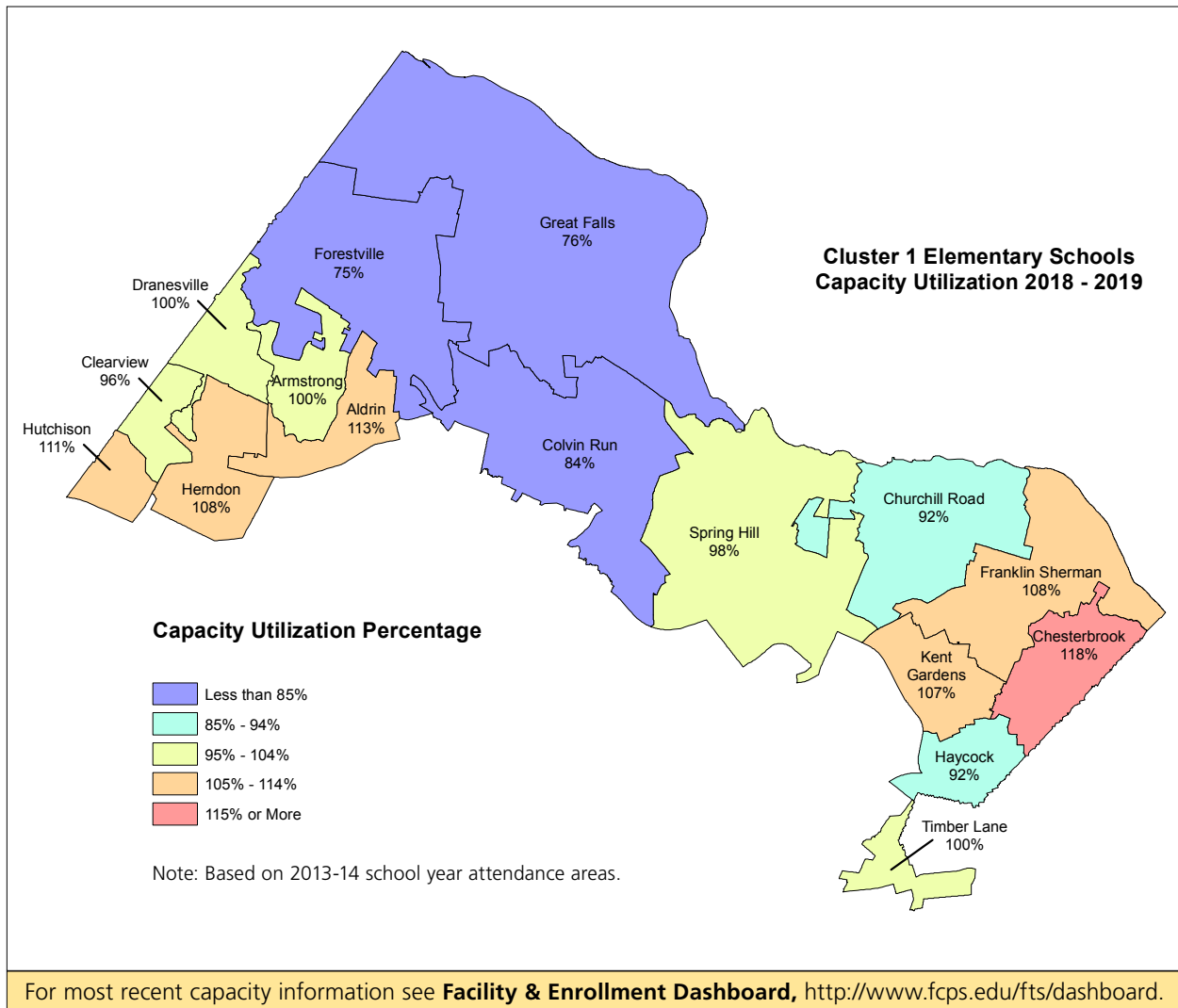
Map 3 High School Capacity Utilization, School Year 2018-19



This map can be viewed online. Visit www.fcps.edu/fts/planning/maps.

Cluster Summaries

Cluster 1 Elementary School Capacity Utilization, School Year 2018-19



Aldrin: Monitor enrollment growth; capacity deficit accommodated with temporary facilities and interior modifications

Chesterbrook: Monitor AAP enrollment; capacity deficit accommodated with temporary facilities and/or interior modifications and/or future capacity enhancements

Churchill Road: Potential boundary change with Franklin Sherman (sending school)

Clearview: Potential boundary change with Hutchison (sending school)

Colvin Run: Potential boundary adjustment with Westbriar attendance island in Cluster II (sending school); potential for new programs

Franklin Sherman: Minor capacity deficit accommodated with temporary facilities and/or interior modifications;

potential boundary adjustment with Churchill Road (receiving school)

Forestville: Potential for new programs; renovation to be completed in FY 2016

Great Falls: Surplus capacity; potential for new programs

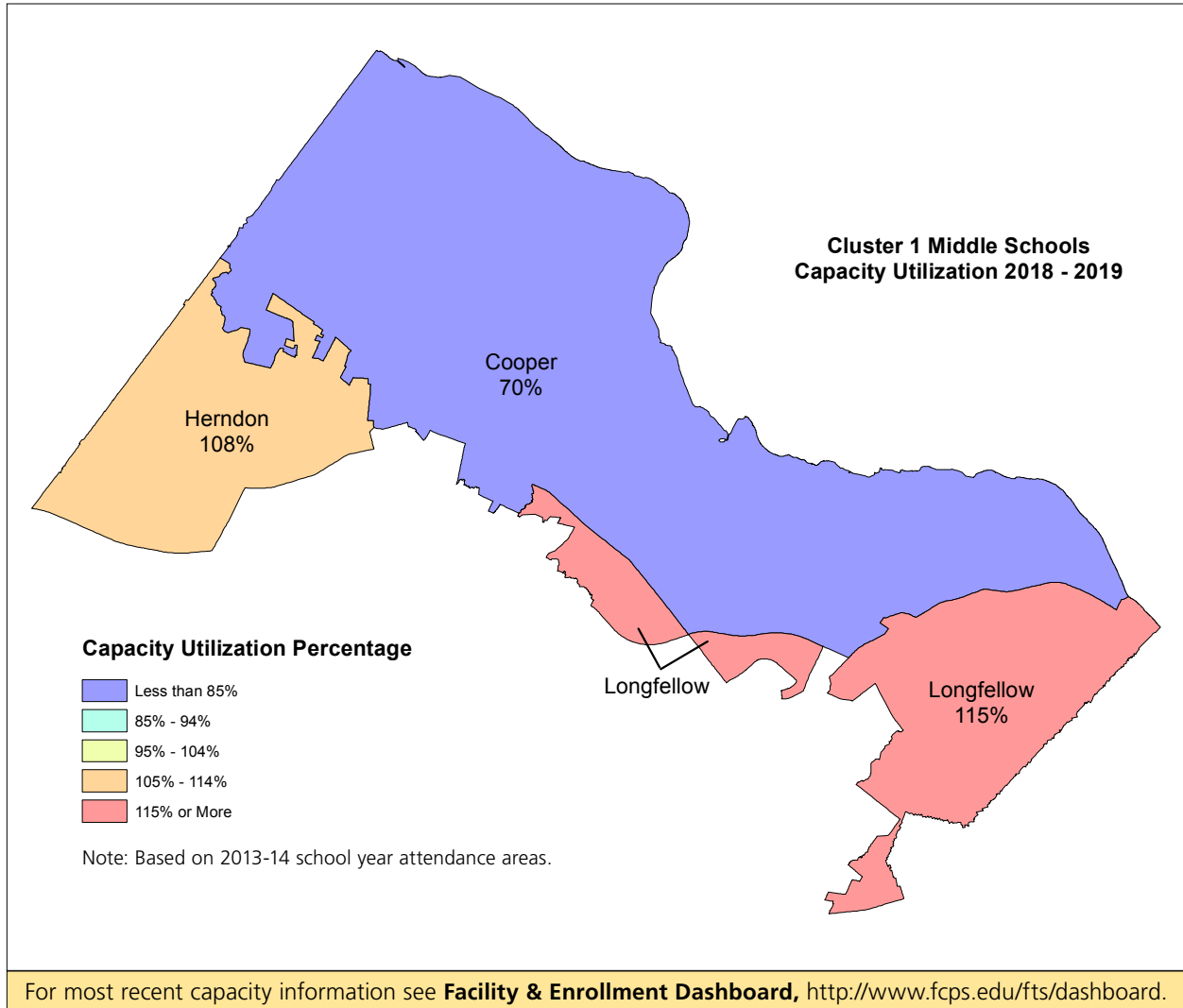
Haycock: Renovation with capacity enhancement to be completed in FY 2016

Herndon: Potential program reduction; rezoning to allow for capacity enhancement

Hutchison: Potential relief from new Northwest County Elementary School; potential boundary adjustment with Clearview (receiving school)

Kent Gardens: Monitor special program enrollments; capacity deficit accommodated with temporary facilities and/or interior modifications

Cluster 1 Middle School Capacity Utilization, School Year 2018-19

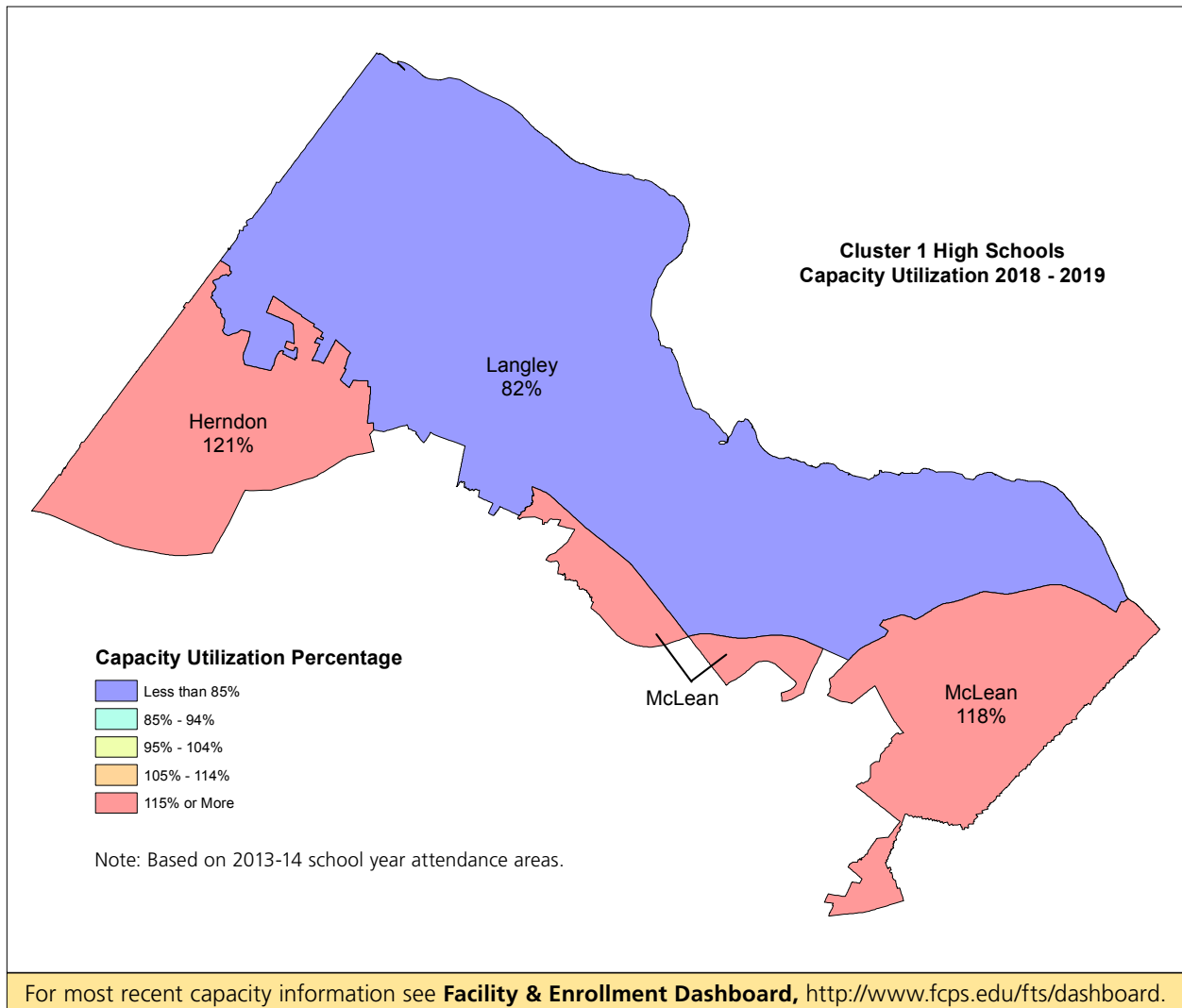


Cooper: Potential boundary adjustment with Longfellow and Kilmer in Cluster II (sending schools); potential AAP realignment

Herndon: Minor capacity deficit accommodated with temporary facilities and/or interior modifications

Longfellow: Potential boundary adjustment with Cooper (receiving school); potential impact from AAP realignment; may require future capacity enhancements

Cluster 1 High School Capacity Utilization, School Year 2018-19



Herndon: Renovation and capacity enhancement to be completed in 10-year CIP cycle; potential boundary adjustment with Langley (receiving school); potential impact from future new high school

Langley: Potential boundary adjustment with Herndon and McLean (sending schools); renovation with capacity enhancement to be completed in FY 2017

McLean: Potential boundary adjustment with Langley (receiving school); may require future capacity enhancements

Cluster I
Herndon H.S. Pyramid

School	Current Capacity	Current 2013 Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Herndon H.S.	2,017	2,179	98.32%	2,171	2,224	2,320	2,350	2,443	-154	-207	-303	-333	-426
Herndon M.S.	1,125	969	98.32%	996	1,001	1,006	1,145	1,214	129	124	119	-20	-89
Aldrin ³	752	701	92.85%	788	830	854	829	846	-36	-78	-102	-77	-94
Armstrong ³	567	496	92.36%	523	543	551	556	567	44	24	16	11	0
Clearview	781	679	96.81%	707	742	740	752	749	74	39	41	29	32
Dranesville	823	757	96.30%	753	802	831	826	823	70	21	-8	-3	0
Herndon	915	918	94.36%	935	998	992	1,003	985	-20	-83	-77	-88	-70
Hutchison	957	957	95.52%	965	1,007	1,043	1,056	1,067	-8	-50	-86	-99	-110

Langley H.S. Pyramid

School	Current Capacity	Current 2013 Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Langley H.S. ⁵	1,970/2100	1,999	98.73%	1,943	1,848	1,772	1,751	1,728	27	122	328	349	372
Cooper M.S.	1,080	753	99.20%	727	734	712	688	757	353	346	368	392	323
Churchill Road	844	870	90.15%	812	814	796	790	777	32	30	48	54	67
Colvin Run	917	894	90.31%	863	865	840	780	770	54	52	77	137	147
Forestville	754	617	93.80%	641	585	583	570	562	113	169	171	184	192
Great Falls	628	571	86.93%	530	497	496	493	478	98	131	132	135	150
Spring Hill	1,043	950	93.97%	998	988	1,029	1,038	1,018	45	55	14	5	25

McLean H.S. Pyramid

School	Current Capacity	Current 2013 Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
McLean H.S.	1,986	2,073	98.53%	2,147	2,193	2,180	2,237	2,352	-161	-207	-194	-251	-366
Longfellow M.S.	1,347	1,332	98.96%	1,397	1,429	1,489	1,513	1,551	-50	-82	-142	-166	-204
Chesterbrook	631	690	98.85%	749	770	754	767	744	-118	-139	-123	-136	-113
Franklin Sherman	428	409	88.56%	448	444	456	459	463	-20	-16	-28	-31	-35
Haycock ⁵	776/877	905	94.96%	831	821	827	808	810	-55	56	50	69	67
Kent Gardens	813	919	95.45%	877	867	862	877	867	-64	-54	-49	-64	-54
Timber Lane	657	599	96.90%	625	644	651	655	655	32	13	6	2	2

Capacities and capacity balances include modular additions.

¹ Enrollment figures do not include Special Education Center students.

² Boundary study impact. Schools currently going through phased-in boundary changes.

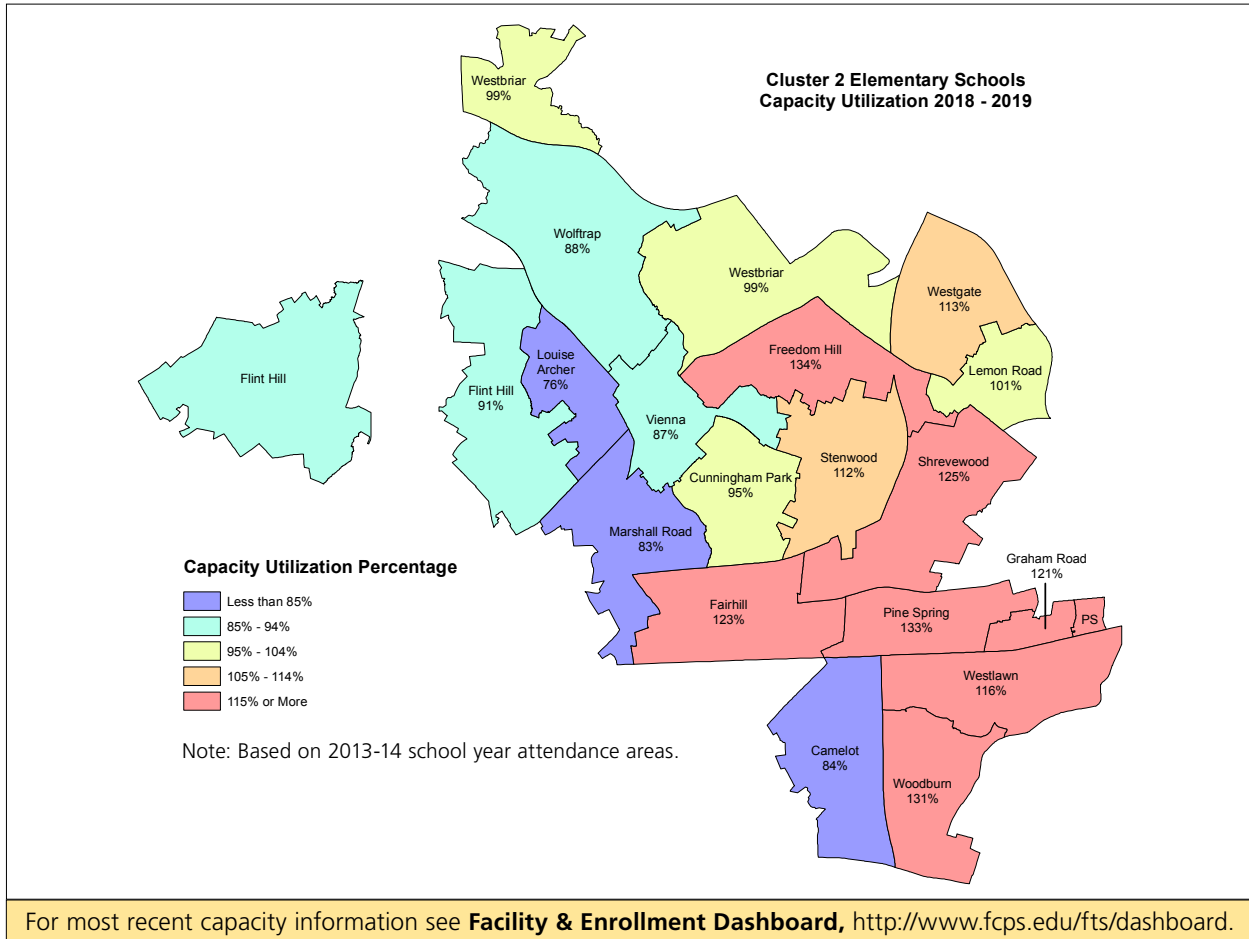
³ Significant changes due to NCLB sending/receiving students.

⁴ Significant program or other changes.

⁵ Denotes current/future capacity.

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Cluster 2 Elementary School Capacity Utilization, School Year 2018-19



Camelot: Potential boundary change with Pine Spring (sending school)

Fairhill: Potential boundary adjustment with Marshall Road (receiving school); may require future capacity enhancements

Flint Hill: Potential boundary adjustment with Oakton in Cluster VIII (sending school)

Freedom Hill: Potential boundary adjustment with Vienna (receiving school); may require future capacity enhancements

Graham Road: May require future capacity enhancements

Lemon Road: Impact from AAP realignment; minor capacity deficit accommodated with temporary facilities and/or interior modifications

Louise Archer: Impact from AAP realignment

Marshall Road: Capacity enhancement to be completed in FY 2015; potential boundary adjustment with Fairhill (sending school)

Pine Spring: Potential boundary adjustment with Camelot or Beech Tree in Cluster III (receiving schools); may require future capacity enhancements

Shreveewood: Monitor enrollment; capacity deficit accommodated with temporary facilities and/or interior modifications; may require future capacity enhancements

Stenwood: Capacity deficit accommodated with temporary facilities and/or interior modifications

Vienna: Potential boundary adjustment with Freedom Hill (sending school)

Westbriar: Capacity enhancement to be completed in FY 2016; potential boundary adjustment with Colvin Run in Cluster I or Wolftap (receiving schools); potential impact from AAP realignment

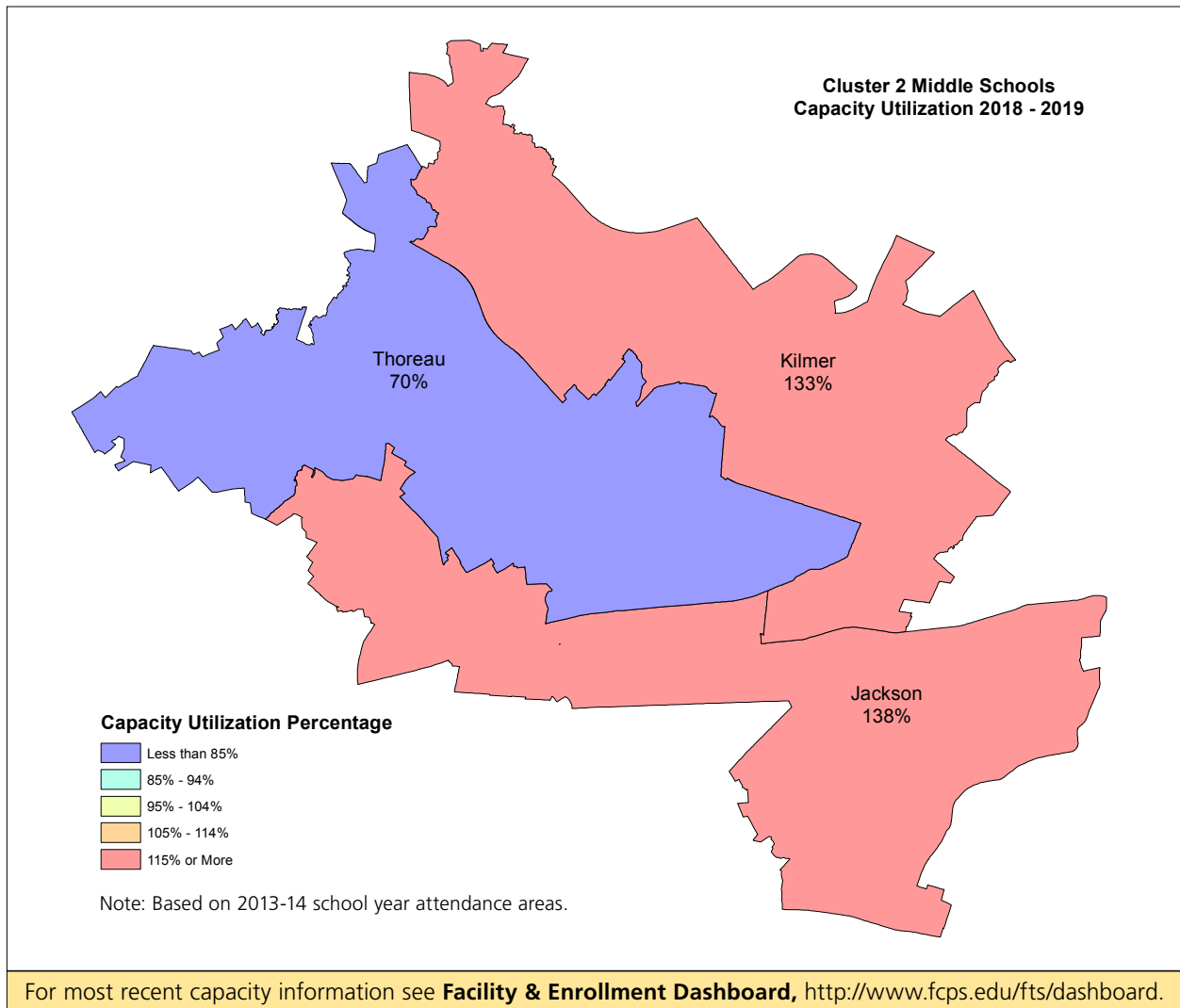
Westgate: Capacity deficit accommodated with temporary facilities and/or interior modifications

Westlawn: Potential boundary/program adjustment with Beech Tree and Mason Crest in Cluster III (receiving schools); may require future capacity enhancements

Wolftap: Potential boundary adjustment with Westbriar (sending school)

Woodburn: Potential boundary/program adjustment with Mason Crest in Cluster III (receiving school); may require future capacity enhancements

Cluster 2 Middle School Capacity Utilization, School Year 2018-19

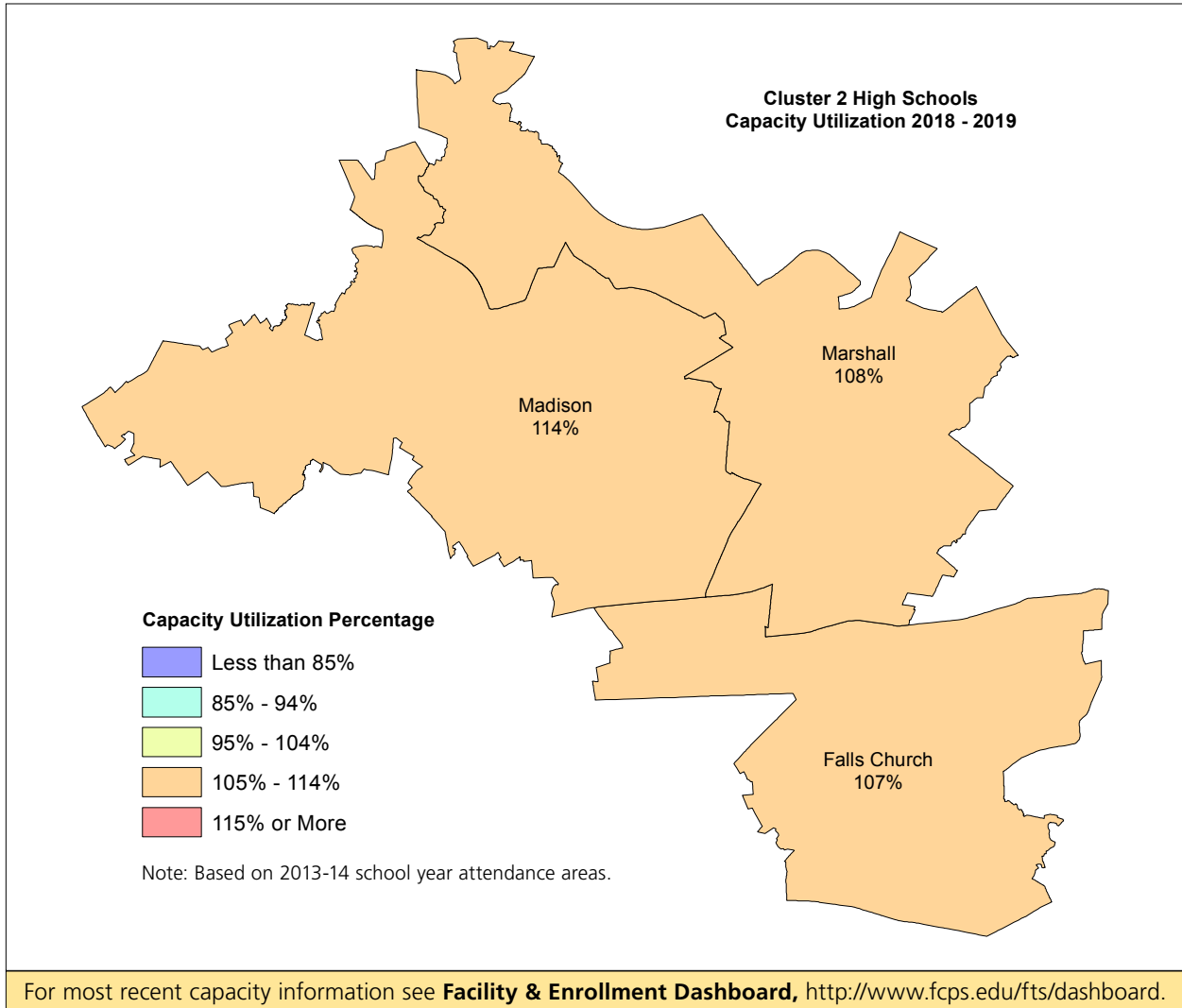


Jackson: Potential boundary adjustment with Thoreau (receiving school); potential impact from AAP realignment; may require future capacity enhancements

Kilmer: Potential boundary adjustment with Cooper and Thoreau (receiving schools); potential impact from AAP realignment; may require future capacity enhancements

Thoreau: Renovation with capacity enhancement to be completed in FY 2017; potential boundary adjustment with Kilmer and Jackson (sending schools); potential impact from AAP realignment

Cluster 2 High School Capacity Utilization, School Year 2018-19



Falls Church: Capacity deficit accommodated with temporary facilities, interior modifications and future renovation

Madison: Capacity deficit accommodated with temporary facilities and/or interior modifications

Marshall: Renovation and capacity enhancement scheduled to be completed in FY 2015; capacity deficit accommodated with temporary facilities and/or interior modifications

Cluster II
Falls Church H.S. Pyramid

School	Current Capacity	Current 2013 Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Falls Church H.S. ²	1,958	1,675	98.53%	1,669	1,790	1,858	1,964	2,091	289	168	100	-6	-133
Jackson M.S. ²	1,146	1,257	90.70%	1,367	1,452	1,543	1,580	1,582	-221	-306	-397	-434	-436
Camelot	733	600	95.24%	581	607	621	619	617	152	126	112	114	116
Fairhill	598	586	85.17%	680	693	719	730	736	-82	-95	-121	-132	-138
Graham Road	459	491	99.39%	528	525	531	546	555	-69	-66	-72	-87	-96
Pine Spring	578	586	98.82%	652	683	709	734	768	-74	-105	-131	-156	-190
Westlawn	755	763	89.34%	831	846	851	862	873	-76	-91	-96	-107	-118
Woodburn	453	501	97.76%	562	564	574	584	595	-109	-111	-121	-131	-142

Madison H.S. Pyramid

School	Current Capacity	Current 2013 Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Madison H.S.	2,059	1,984	98.98%	2,101	2,179	2,245	2,296	2,338	-42	-120	-186	-237	-279
Thoreau M.S. ⁵	816/1350	843	90.74%	884	903	939	968	950	-68	-87	-411	382	400
Cunningham Park	554	484	99.59%	483	497	500	525	528	71	57	54	29	26
Flint Hill	639	707	92.06%	696	688	645	597	583	-57	-49	-6	42	56
Louise Archer	722	761	99.21%	702	650	591	562	546	20	72	131	160	176
Marshall Road ⁵	586/900	683	94.34%	680	706	722	726	743	220	194	178	174	157
Vienna	427	394	99.49%	408	410	394	386	371	19	17	33	41	56
Wolftrap	565	573	93.69%	534	517	510	504	499	31	48	55	61	66

Marshall H.S. Pyramid

School	Current Capacity	Current 2013 Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Marshall H.S. ⁵	1511/2000	1,822	96.00%	1,771	1,875	1,953	2,051	2,151	229	125	47	-51	-151
Kilmer M.S. ¹	1,152	1,293	97.30%	1,289	1,334	1,386	1,455	1,528	-137	-182	-234	-303	-376
Freedom Hill	612	626	83.02%	726	766	797	810	822	-114	-154	-185	-198	-210
Lemon Road	554	482	-7.76%	509	480	504	535	562	45	74	50	19	-8
Shrevewood	648	686	95.15%	726	738	774	792	812	-78	-90	-126	-144	-164
Stenwood	531	537	97.91%	528	529	568	577	596	3	2	-37	-46	-65
Westbriar ⁵	447/900	623	87.34%	691	783	869	882	893	-244	-336	31	18	7
Westgate ⁵	400/750	603	89.07%	687	761	800	816	848	-287	-11	-50	-66	-98

Capacities and capacity balances include modular additions.

¹ Enrollment figures do not include Special Education Center students.

² Boundary study impact. Schools currently going through phased-in boundary changes.

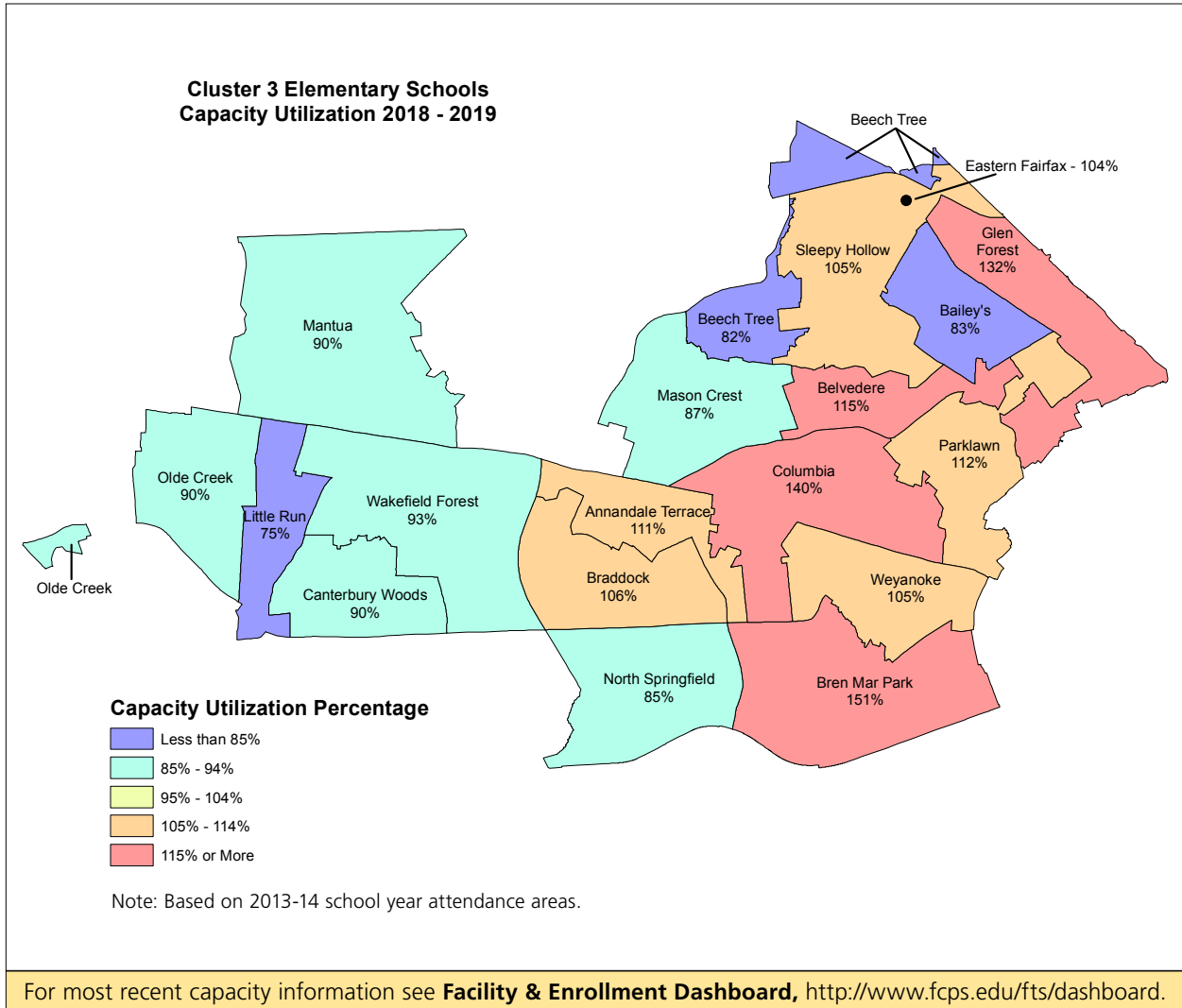
³ Significant changes due to NCLB sending/receiving students.

⁴ Significant program or other changes.

⁵ Denotes current/future capacity.

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Cluster 3 Elementary School Capacity Utilization, School Year 2018-19



Annandale Terrace: Potential for capacity enhancements with the planned renovation to be completed in 10-year CIP cycle

Bailey's: Potential relief from new Eastern Fairfax Elementary School

Beech Tree: Potential boundary/program adjustment with Westlawn and/or Pine Spring in Cluster II (sending schools)

Belvedere: Monitor enrollment growth, capacity deficit accommodated with temporary facilities and/or interior modifications; may require future capacity enhancements

Braddock: Capacity deficit accommodated with temporary facilities and/or interior modifications

Bren Mar Park: Special education program realignment as planned in the Annandale Regional Study; may require future capacity enhancements

Canterbury Woods: Potential receiving school for programs; renovation completed in FY 2014

Columbia: Monitor enrollment growth; capacity deficit accommodated with temporary facilities and/or interior modifications; may require future capacity enhancements

Glen Forest: Potential relief from new Eastern Fairfax Elementary School; may require future capacity enhancements

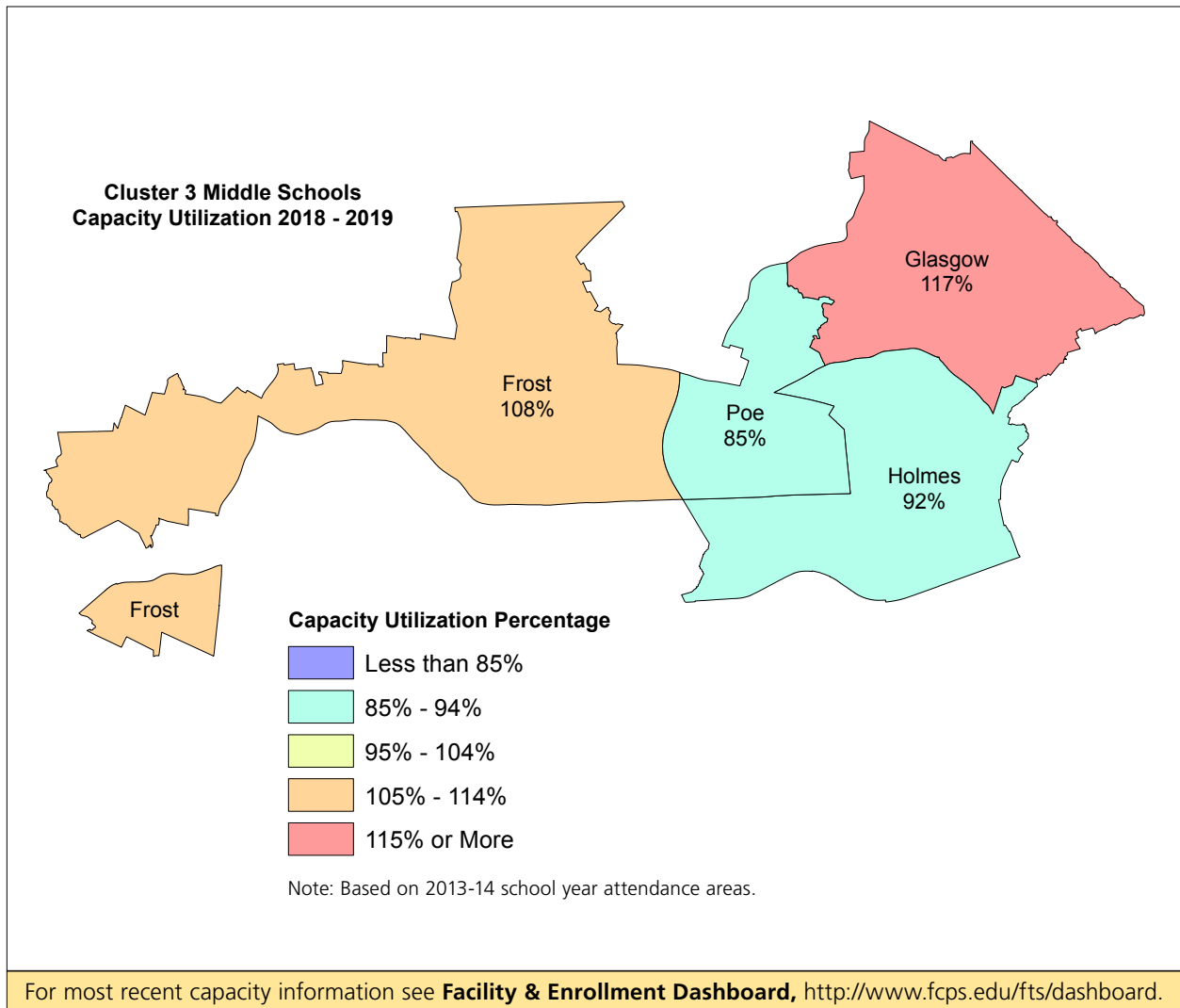
Mason Crest: Potential boundary/program adjustments with Westlawn or Woodburn in Cluster II (sending schools)

Parklawn: Monitor enrollment from changes in local area multifamily housing; capacity deficit accommodated with temporary facilities and/or interior modifications

Sleepy Hollow: Capacity deficit accommodated with temporary facilities and/or interior modifications

Weyanoke: Capacity deficit accommodated with temporary facilities and/or interior modifications

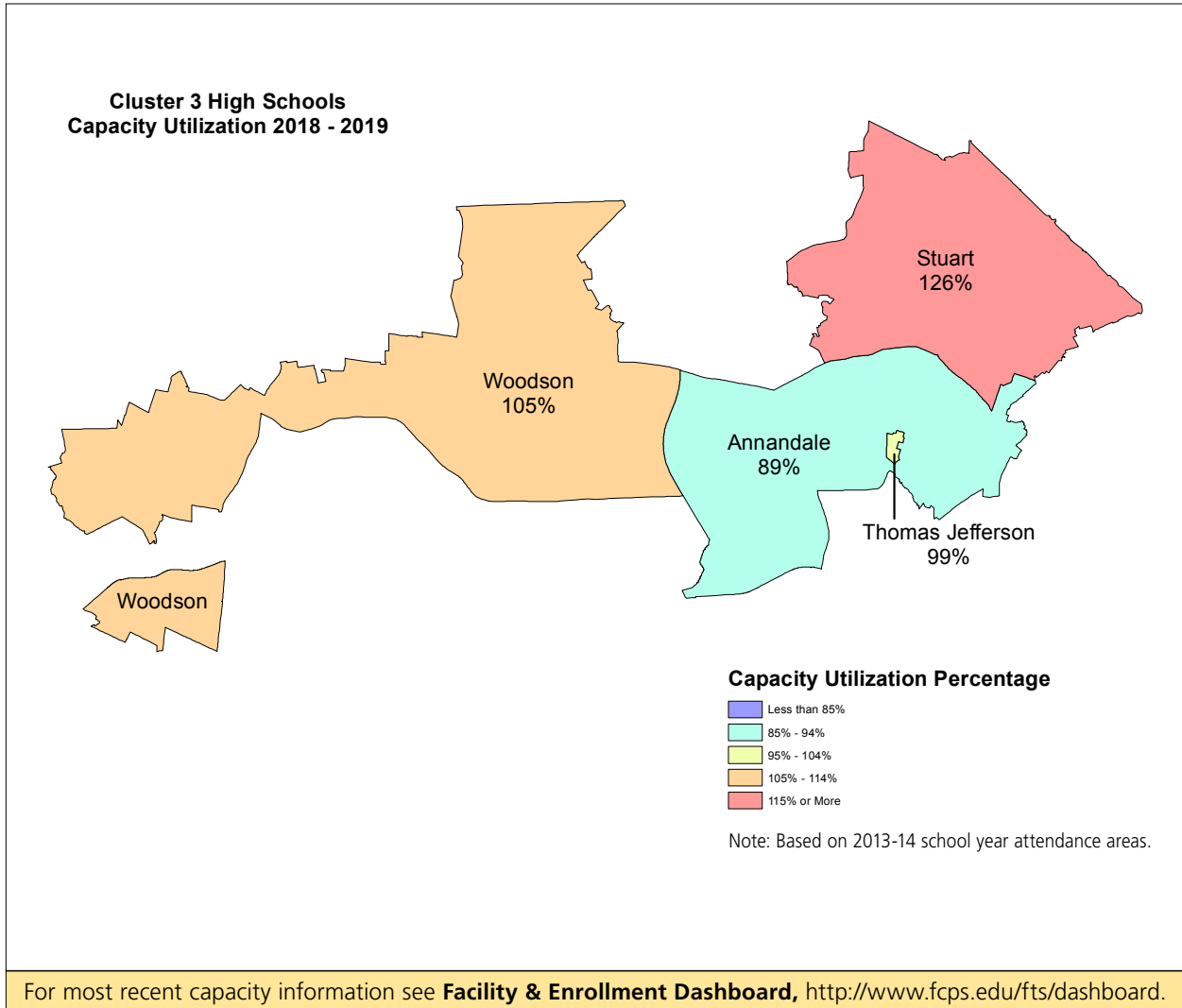
Cluster 3 Middle School Capacity Utilization, School Year 2018-19



Frost: Capacity enhancement with future renovation to be completed in 10-year CIP cycle; 10-room modular addition recently added; impact from boundary adjustments associated with the Fairfax HS/Lanier MS and Robinson Secondary boundary study

Glasgow: Potential impact from AAP realignment; may require future capacity enhancements

Cluster 3 High School Capacity Utilization, School Year 2018-19



Annandale: Implementation of phased boundary change underway

Stuart: Enrollment currently below capacity, monitor enrollment growth; may require future capacity enhancements

Thomas Jefferson: Renovation with capacity enhancement to be completed in FY 2016

Woodson: Impact from boundary adjustments associated with the Fairfax HS/Lanier MS and Robinson Secondary School boundary study; capacity deficit accommodated with temporary classrooms and/or interior modifications

**Cluster III
Annandale H.S. Pyramid**

School	Current Capacity	Current Enrollment	Accuracy of 1 Year Projection For 2013	Current Capacity Balance	Projected School Year Membership					School Year Capacity Balance				
					2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Annandale H.S. ²	2,556	2,246	96.85%	310	2,115	2,170	2,121	2,181	2,268	441	386	435	375	288
TJHSST ⁵	1730/1920	1,843	97.26%	-113	1,863	1,890	1,896	1,896	1,896	-133	30	24	24	24
Holmes M.S. ²	1,176	959	96.55%	217	945	970	996	1,058	1,087	231	206	180	118	89
Poe M.S. ²	1,341	902	88.17%	439	929	1,011	1,091	1,109	1,135	412	330	250	232	206
Annandale Terrace	715	709	90.20%	6	750	746	773	781	797	-35	-31	-58	-66	-82
Braddock	868	814	98.25%	54	810	877	900	911	916	58	-9	-32	-43	-48
Bren Mar Park	509	502	80.19%	7	574	636	683	737	769	-65	-127	-174	-228	-260
Columbia	469	478	90.36%	-9	547	570	603	627	657	-78	-101	-134	-158	-188
Mason Crest	689	569	0.00%	120	557	558	575	603	600	132	131	114	86	89
North Springfield	710	539	92.77%	171	552	562	580	586	605	158	148	130	124	105
Weyanoke	635	594	99.00%	41	580	610	629	647	667	55	25	6	-12	-32

Stuart H.S. Pyramid

School	Current Capacity	Current Enrollment	Accuracy of 1 Year Projection For 2013	Current Capacity Balance	Projected School Year Membership					School Year Capacity Balance				
					2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Stuart H.S. ²	1,968	1,823	92.77%	145	1,994	2,160	2,309	2,415	2,488	-26	-192	-341	-447	-520
Glasgow M.S. ²	1,665	1,517	95.77%	148	1,608	1,656	1,717	1,800	1,943	57	9	-52	-135	-278
Baileys ⁶	1,024	1,331	91.60%	-307	812	817	823	835	853	212	207	201	189	171
Beech Tree	446	382	95.63%	64	386	382	370	364	365	60	64	76	82	81
Belvedere	684	674	80.28%	10	759	782	794	792	788	-75	-98	-110	-108	-104
Eastern Fairfax ES ⁶	700	-	-	-	625	689	716	728	727	75	11	-16	-28	-27
Glen Forest	1,004	1,043	97.57%	-39	1,126	1,193	1,265	1,311	1,327	-122	-189	-261	-307	-323
Parklawn	904	774	90.95%	130	835	890	950	990	1,016	69	14	-46	-86	-112
Sleepy Hollow	471	456	93.83%	15	447	442	471	478	495	24	29	0	-7	-24

Woodson H.S. Pyramid

School	Current Capacity	Current Enrollment	Accuracy of 1 Year Projection For 2013	Current Capacity Balance	Projected School Year Membership					School Year Capacity Balance				
					2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Woodson H.S. ²	2,325	2,223	96.94%	102	2,391	2,309	2,311	2,378	2,430	-66	16	14	-53	-105
Frost M.S. ²	1,146	1,105	94.86%	41	1,103	1,173	1,219	1,218	1,242	43	-27	-73	-72	-96
Canterbury Woods	711	733	78.44%	-22	683	656	652	653	637	28	55	59	58	74
Little Run	409	351	96.43%	58	368	362	345	330	305	41	47	64	79	104
Mantua	1,060	967	99.58%	93	952	955	953	952	955	108	105	107	108	105
Olde Creek	519	439	86.93%	80	456	477	475	464	469	63	42	44	55	50
Wakefield Forest	511	515	86.81%	-4	471	471	460	455	473	40	40	51	56	38

Capacities and capacity balances include modular additions.

¹ Enrollment figures do not include Special Education Center students.

² Boundary study impact. Schools currently going through phased-in boundary changes.

³ Significant changes due to NCLB sending/receiving students.

⁴ Significant program or other changes.

⁵ Denotes current/future capacity.

⁶ Assumes grades K-2 + FECEP at Baileys, grades 3-5 at Eastern Fairfax beginning in 2014.

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Cluster 4 Elementary School Capacity Utilization, School Year 2018-19

Belle View: Potential impact from construction of the Route 1 area ES and Richmond Highway Corridor Study; monitor enrollments for impact of NCLB students returning to base schools; potential for capacity enhancement with renovation included in the 10-year CIP cycle

Bucknell: Renovation with capacity enhancement to be completed in FY 2016; potential impact from construction of the Route 1 area ES and Richmond Highway Corridor Study

Fort Belvoir: Impact from the new school on base, jointly funded with Department of Defense

Fort Hunt: Potential impact from construction of the Route 1 area ES and Richmond Highway Corridor Study

Groveton: Potential impact from construction of the Route 1 area ES and Richmond Highway Corridor Study; may require future capacity enhancements

Gunston: Potential impact from construction of the Route 1 area ES; potential boundary adjustment with Lorton Station (sending school)

Hayfield: Capacity deficit accommodated with temporary facilities and/or interior modifications

Hollin Meadows: Potential impact from construction of the Route 1 area ES and Richmond Highway Corridor Study; renovation with capacity enhancement to be completed in FY 2019 (planning funded in 2013 bond referendum, construction funds to be included in a future referendum)

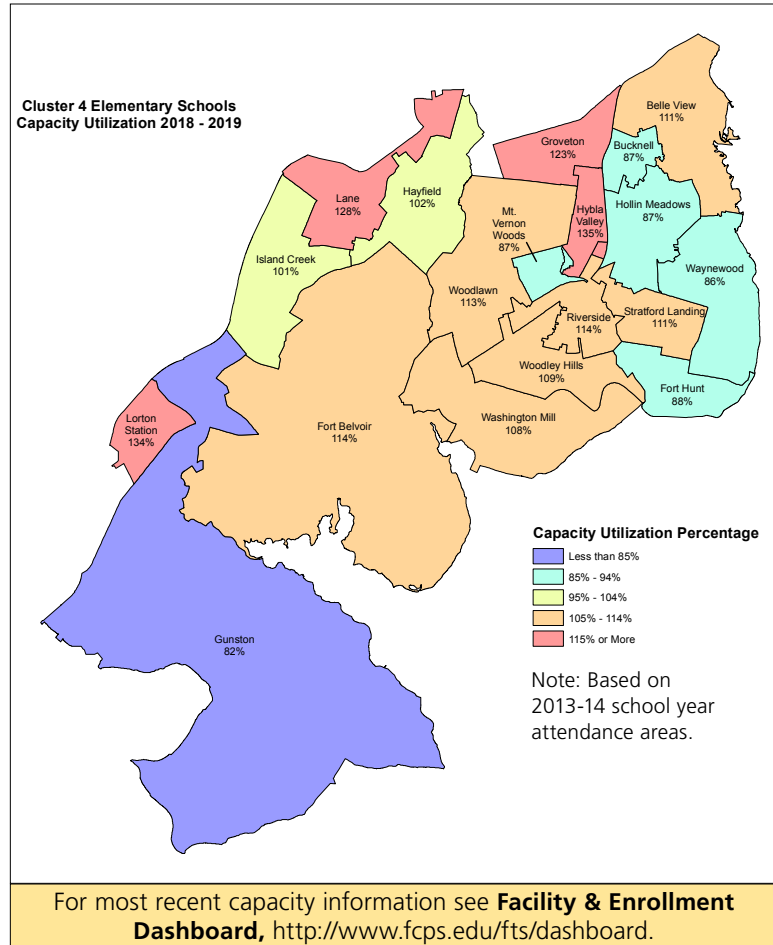
Hybla Valley: Potential relief from construction of the Route 1 area ES and Richmond Highway Corridor Study; potential for boundary adjustment with Mount Vernon Woods (receiving school); may require future capacity enhancements

Island Creek: Capacity deficit accommodated with temporary facilities and/or interior modifications; monitor enrollments for impact of NCLB students returning to base schools

Lane: Enrollment is currently below capacity, monitor enrollments for growth and impact of NCLB students returning to base schools; capacity deficit accommodated with temporary facilities and/or interior modifications; may require future capacity enhancements

Lorton Station: Potential boundary adjustment with Gunston (receiving school); potential program reduction/AAP realignment; may require future capacity enhancements

Mount Vernon Woods: Potential for boundary change with Hybla Valley (sending school); potential impact from construction of the Route 1 area ES and Richmond Highway Corridor Study; renovation to be completed in FY 2019



Riverside: Capacity deficit accommodated with temporary facilities and/or interior modifications; potential impact from construction of the Route 1 area ES and Richmond Highway Corridor Study

Stratford Landing: Potential for capacity enhancement with planned renovation to be completed in FY 2018; potential impact from construction of the Route 1 area ES and Richmond Highway Corridor Study

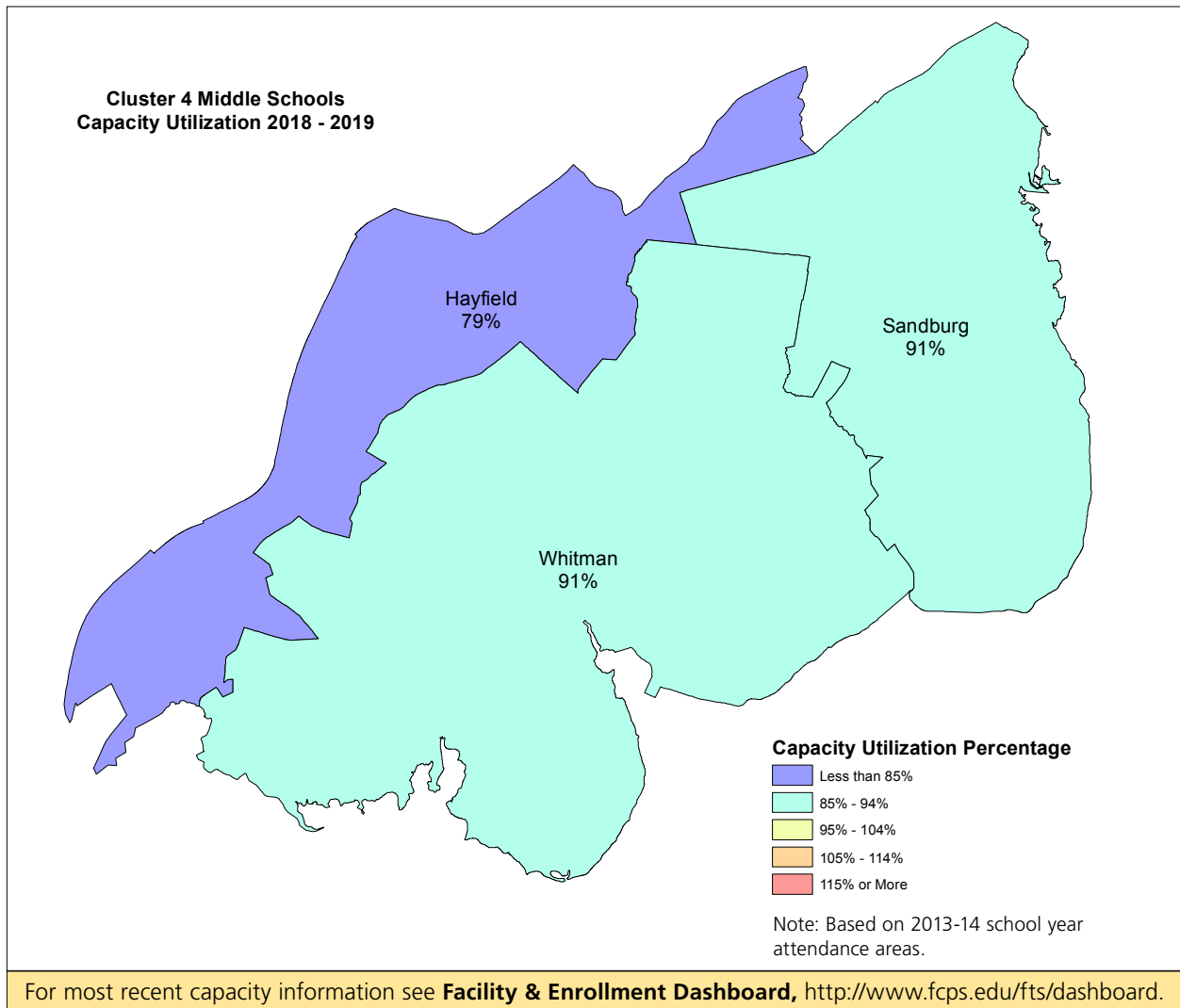
Washington Mill: Potential impact from construction of the Route 1 area ES and Richmond Highway Corridor Study

Waynewood: Potential impact from Richmond Highway Corridor Study; renovation to be completed in FY 2018

Woodlawn: Impact from potential construction of the Fort Belvoir ES and Route 1 area ES and the Richmond Highway Corridor Study; renovation with capacity enhancement to be completed in FY 2016; monitor enrollments for impact of NCLB students returning to base schools

Woodley Hills: Capacity enhancement completed in FY 2013; potential impact from construction of the Route 1 area ES and Richmond Highway Corridor Study

Cluster 4 Middle School Capacity Utilization, School Year 2018-19

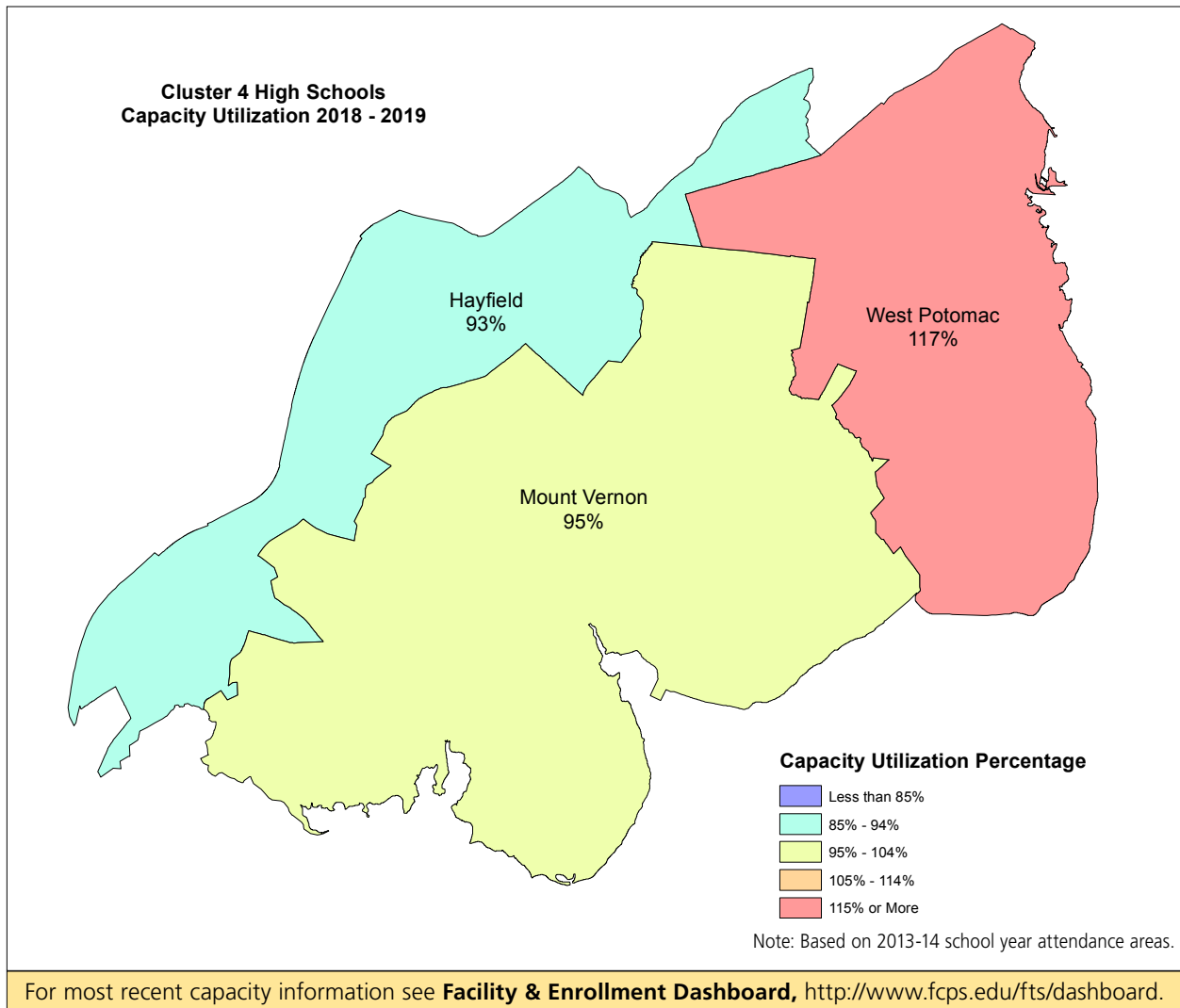


Hayfield: Potential impact from Richmond Highway Corridor Study

Sandburg: Capacity enhancement with renovation to be completed in FY 2015; potential impact from Richmond Highway Corridor Study

Whitman: Capacity enhancement completed in FY 2013; potential impact from Richmond Highway Corridor Study

Cluster 4 High School Capacity Utilization, School Year 2018-19



Hayfield: Potential impact from Richmond Highway Corridor Study

Mount Vernon: Potential impact from Richmond Highway Corridor Study

West Potomac: Potential impact from Richmond Highway Corridor Study; monitor placements into school, recommend closing to future student transfer requests; may require future capacity enhancements

**Cluster IV
Hayfield H.S. Pyramid**

School	Current Capacity	Current Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Hayfield H.S.	2,228	1,905	95.01%	1,925	1,953	1,921	1,993	2,071	303	275	307	235	157
Hayfield M.S.	1,269	886	98.34%	868	904	971	1,005	997	401	365	298	264	272
Gunston	622	551	90.33%	556	549	539	522	507	66	73	83	100	115
Hayfield	729	677	94.82%	695	693	721	734	741	34	36	8	-5	-12
Island Creek ³	867	745	87.03%	860	886	896	880	873	7	-19	-29	-13	-6
Lane ³	865	789	85.76%	919	958	1,017	1,064	1,106	-54	-93	-152	-199	-241
Lorton Station	845	1,030	93.15%	1,075	1,091	1,093	1,111	1,130	-230	-246	-248	-266	-285

Mount Vernon H.S. Pyramid

School	Current Capacity	Current Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Mount Vernon H.S.	2,451	1,969	99.44%	1,989	2,069	2,125	2,204	2,340	462	382	326	247	111
Whitman M.S.	1,284	973	97.99%	1,080	1,111	1,153	1,155	1,174	204	173	131	129	110
Fort Belvoir	1,106	1,112	84.76%	1,184	1,192	1,201	1,244	1,262	-78	-86	-95	-138	-156
Mount Vernon Woods	749	680	87.79%	730	740	713	696	653	19	9	36	53	96
Riverside	816	732	89.71%	807	829	870	908	932	9	-13	-54	-92	-116
Washington Mill	608	664	96.73%	652	642	644	640	654	-44	-34	-36	-32	-46
Woodlawn ^{3,5}	629/700	768	83.11%	750	753	785	797	792	-121	-53	-85	-97	-92
Woodley Hills	772	735	99.46%	773	771	798	819	841	-1	1	-26	-47	-69

West Potomac H.S. Pyramid

School	Current Capacity	Current Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
West Potomac H.S.	2,210	2,325	99.74%	2,435	2,410	2,514	2,516	2,586	-225	-200	-304	-306	-376
Sandburg M.S. ⁵	1,359/1525	1,309	96.60%	1,199	1,253	1,256	1,362	1,391	326	272	269	163	134
Belle View ⁵	622	543	90.95%	567	575	627	656	690	55	47	-5	-34	-68
Bucknell ⁵	378/400	256	75.73%	302	317	326	338	349	76	83	74	62	51
Fort Hunt	711	607	96.24%	641	651	634	628	628	70	60	77	83	83
Groveton	812	782	96.90%	832	891	925	957	1,000	-20	-79	-113	-145	-188
Hollin Meadows ⁵	690/875	642	96.11%	698	705	715	742	759	-8	-15	-25	-52	116
Hybla Valley	743	921	94.36%	921	987	1,014	1,002	1,004	-178	-244	-271	-259	-261
Stratford Landing	849	901	96.56%	928	941	961	947	940	-79	-92	-112	-98	-91
Waynewood	732	733	98.26%	693	697	674	656	633	39	35	58	76	99

Capacities and capacity balances include modular additions.

¹ Enrollment figures do not include Special Education Center students.

² Boundary study impact. Schools currently going through phased-in boundary changes.

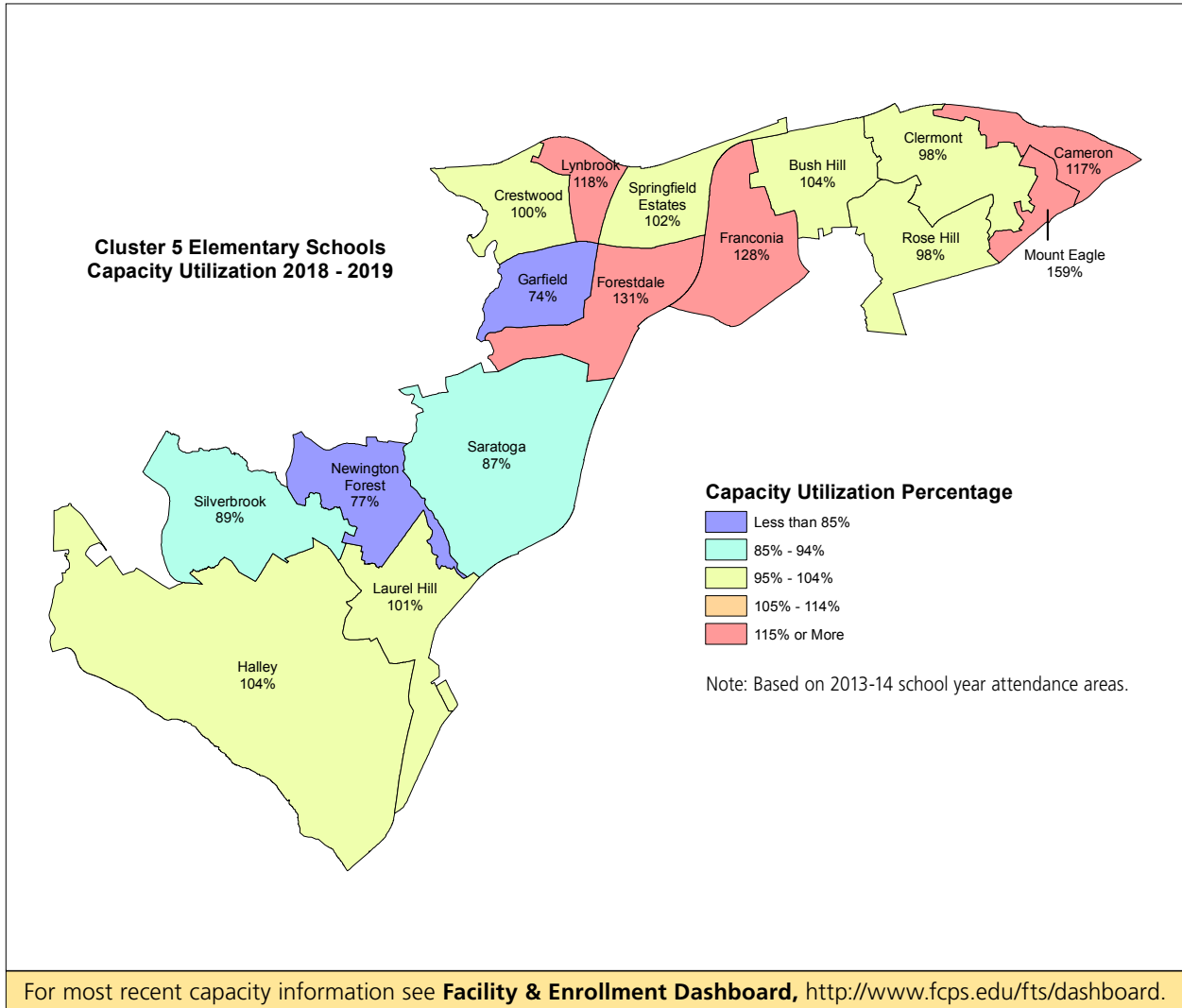
³ Significant changes due to NCLB sending/receiving students.

⁴ Significant program or other changes.

⁵ Denotes current/future capacity.

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Cluster 5 Elementary School Capacity Utilization, School Year 2018-19



Bush Hill: Capacity deficit accommodated with temporary facilities and/or interior modifications

Cameron: Potential impact from Richmond Highway Corridor Study; may require future capacity enhancements

Clermont: Renovation with capacity enhancement to be completed in FY 2015

Forestdale: Potential boundary adjustment with Garfield (receiving school); may require future capacity enhancements

Franconia: Monitor projected enrollment growth; capacity deficit accommodated with temporary facilities and/or interior modifications; may require future capacity enhancements

Garfield: Renovation with capacity enhancement to be completed in FY 2015; potential boundary adjustment with Forestdale (sending school)

Halley: Capacity deficit accommodated with temporary facilities and/or interior modifications

Laurel Hill: Capacity deficit accommodated with temporary facilities and/or interior modifications

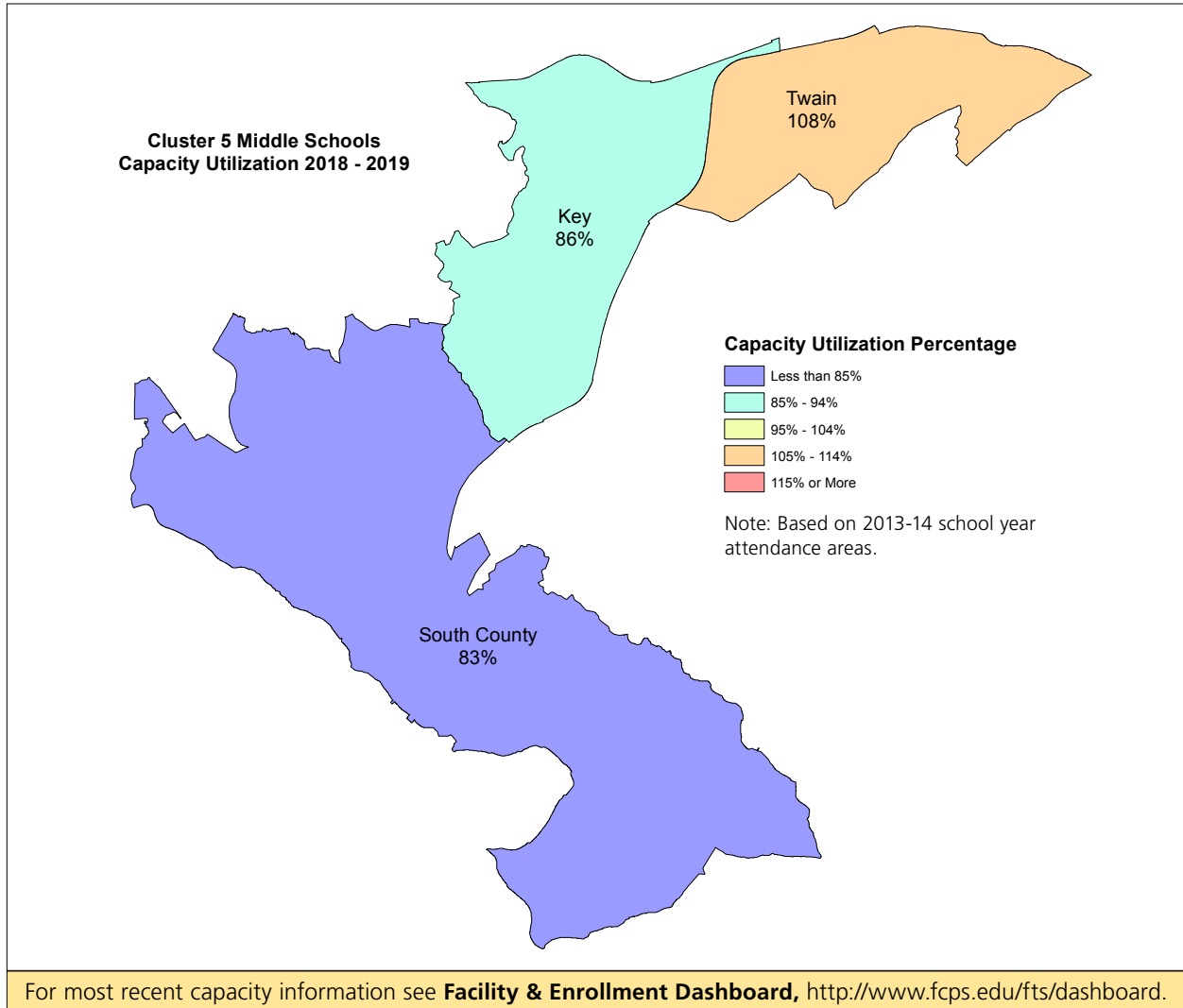
Lynbrook: Enrollment is currently below capacity, monitor enrollment for growth; capacity deficit accommodated with temporary facilities and/or interior modifications; may require future capacity enhancements

Mount Eagle: Potential impact from construction of the Route 1 area ES and Richmond Highway Corridor Study

Newington Forest: Surplus capacity, potential receiving school for new programs

Springfield Estates: Potential for capacity enhancement with the renovation to be completed in FY 2016

Cluster 5 Middle School Capacity Utilization, School Year 2018-19

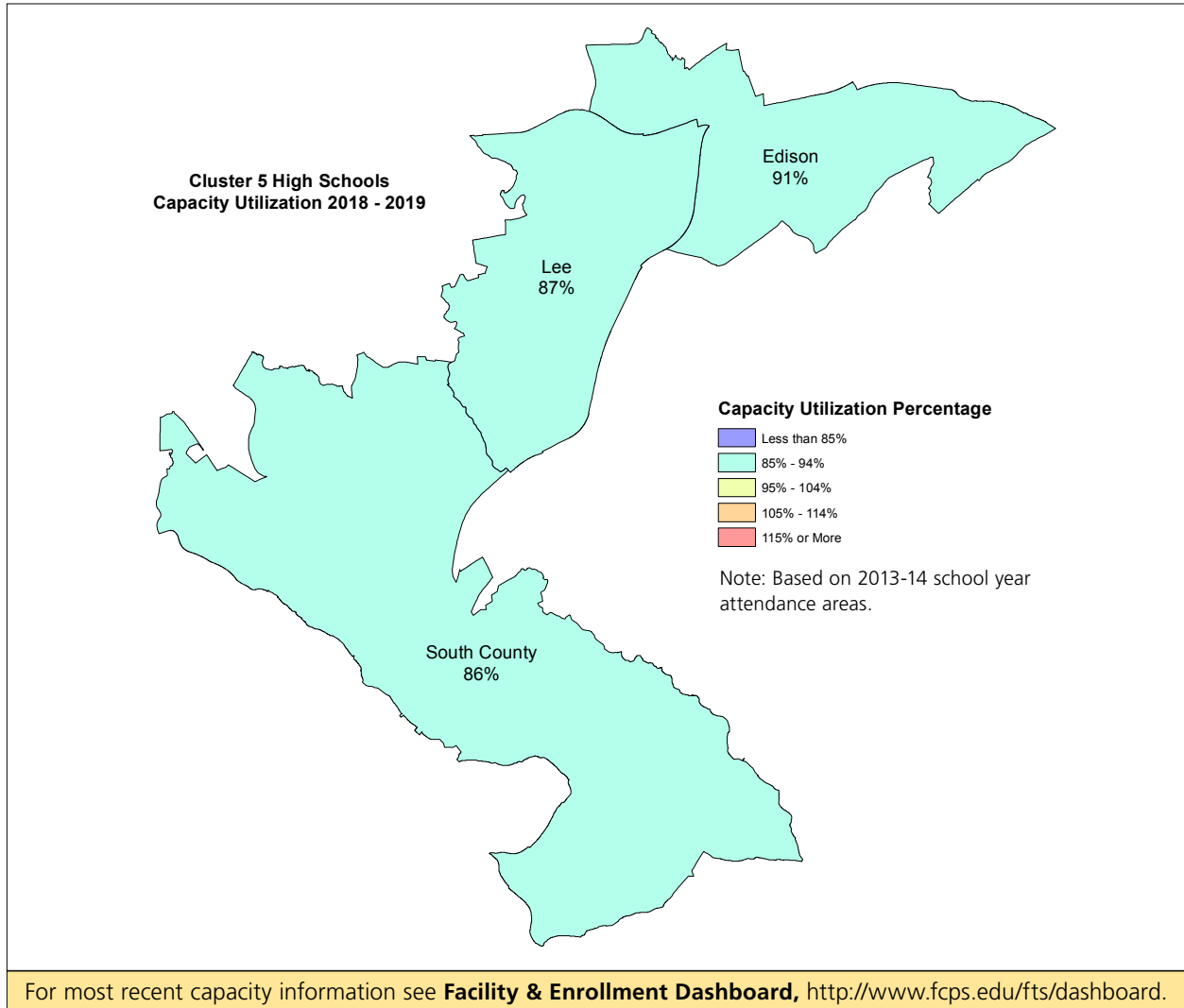


Key: Surplus capacity, potential receiving school for new programs

South County: Surplus capacity, potential receiving school for new programs

Twain: Capacity deficit accommodated with temporary facilities and/or interior modifications

Cluster 5 High School Capacity Utilization, School Year 2018-19



Edison: Surplus capacity, potential receiving school for new programs; renovation completed in FY 2013

South County: Surplus capacity, potential receiving school for new programs

Lee: Surplus capacity, potential receiving school for new programs

**Cluster V
Edison H.S. Pyramid**

School	Current Capacity	Current 2013 Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Edison H.S. ²	2,101	1,776	99.15%	1,718	1,739	1,768	1,816	1,913	383	362	333	285	188
Twain M.S.	1,016	888	97.70%	900	926	973	1,042	1,102	116	90	43	-26	-86
Bush Hill ³	580	495	97.52%	522	540	563	582	602	58	40	17	-2	-22
Cameron	708	540	87.95%	613	671	739	786	829	95	37	-31	-78	-121
Clermont ⁶	350/600	530	100.00%	514	541	571	591	587	86	59	29	9	13
Franconia	554	566	95.61%	582	600	632	678	708	-28	-46	-78	-124	-154
Mount Eagle	400	380	94.76%	495	559	597	611	636	-95	-159	-197	-211	-236
Rose Hill	819	747	100.00%	790	807	802	804	799	29	12	17	15	20

Lee H.S. Pyramid

School	Current Capacity	Current 2013 Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Lee H.S.	2,050	1,747	95.95%	1,751	1,708	1,757	1,792	1,776	299	342	293	258	274
Key M.S. ¹	1,080	829	93.85%	810	816	827	888	925	270	264	253	192	155
Crestwood	684	652	97.16%	664	678	679	683	687	20	6	5	1	-3
Forestdale	639	597	87.41%	640	728	785	810	838	-1	-89	-146	-171	-199
Garfield ⁵	363/475	369	99.19%	367	376	368	364	351	108	99	107	111	124
Lynbrook	689	636	99.07%	692	723	769	804	814	-3	-34	-80	-115	-125
Saratoga	857	757	94.86%	765	766	752	741	743	92	91	105	116	114
Springfield Estates	814	745	94.92%	799	847	841	839	834	15	-33	-27	-25	-20

South County H.S. Pyramid

School	Current Capacity	Current 2013 Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
South County H.S.	2,408	2,080	95.99%	2,204	2,133	2,095	2,046	2,066	204	275	313	362	342
South County M.S.	1,304	1,095	74.71%	1,016	1,033	1,075	1,068	1,086	288	271	229	236	218
Halley	808	723	90.60%	797	827	845	848	844	11	-19	-37	-40	-36
Laurel Hill	924	935	97.91%	932	945	949	936	935	-8	-21	-25	-12	-11
Newington Forest	758	617	92.92%	644	636	600	599	580	114	122	158	159	178
Silverbrook	788	783	89.56%	757	734	713	716	698	31	54	75	72	90

Capacities and capacity balances include modular additions.

¹ Enrollment figures do not include Special Education Center students.

² Boundary study impact. Schools currently going through phased-in boundary changes.

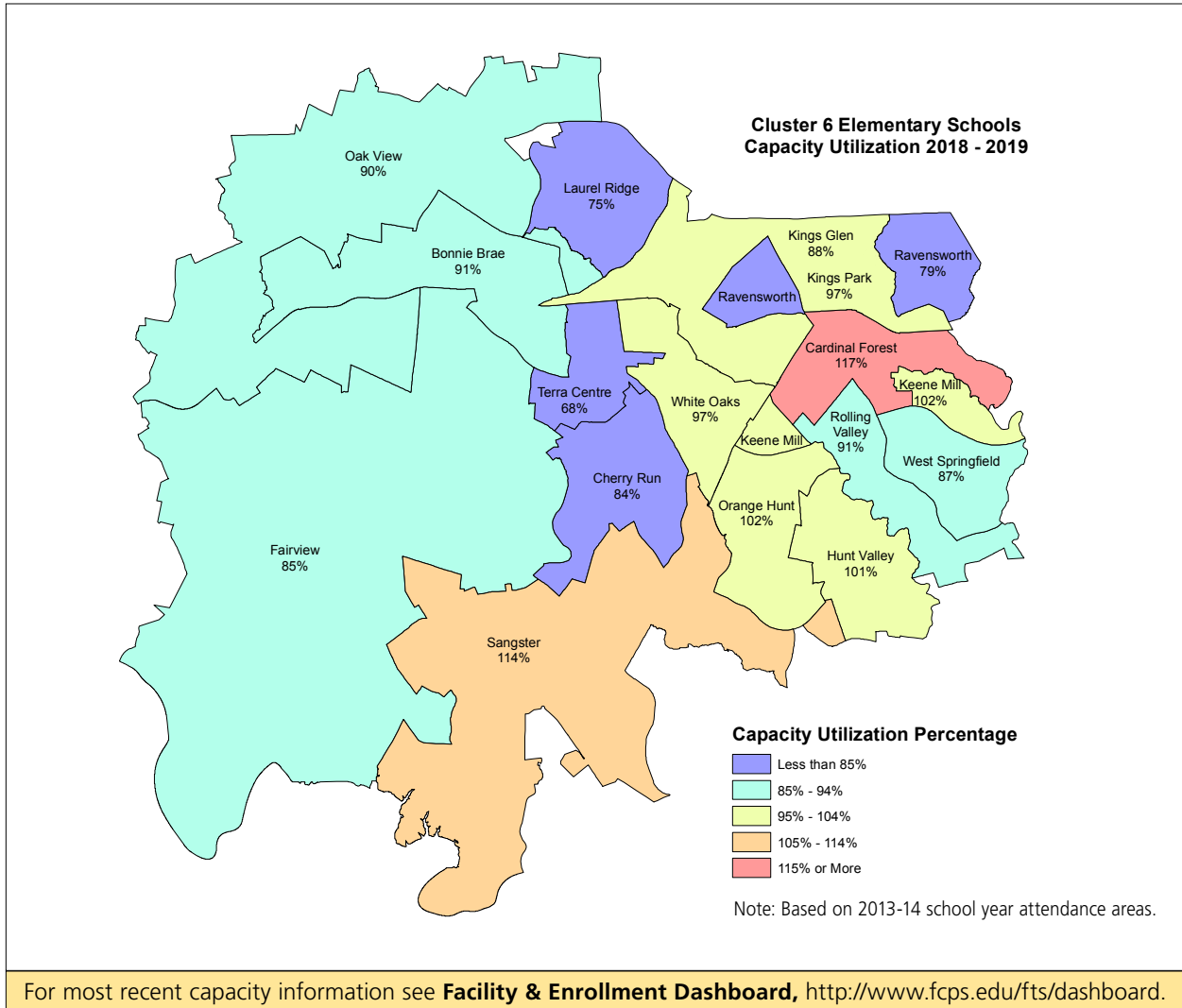
³ Significant changes due to NCLB sending/receiving students.

⁴ Significant program or other changes.

⁵ Denotes current/future capacity.

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Cluster 6 Elementary School Capacity Utilization, School Year 2018-19



Cardinal Forest: Potential boundary adjustment with Rolling Valley (receiving school); may require future capacity enhancements

Cherry Run: Potential receiving school for new programs; proposed renovation with capacity enhancement to be completed in FY 2018 (planning funded in 2013 bond referendum; construction funds to be included in a future referendum); potential boundary adjustment with Sangster (sending school)

Hunt Valley: Capacity deficit accommodated with temporary facilities and/or interior modifications

Keene Mill: Renovation with capacity enhancement to be completed in FY 2017

Laurel Ridge: Potential receiving school for new programs

Orange Hunt: Capacity deficit accommodated with temporary facilities and/or interior modifications

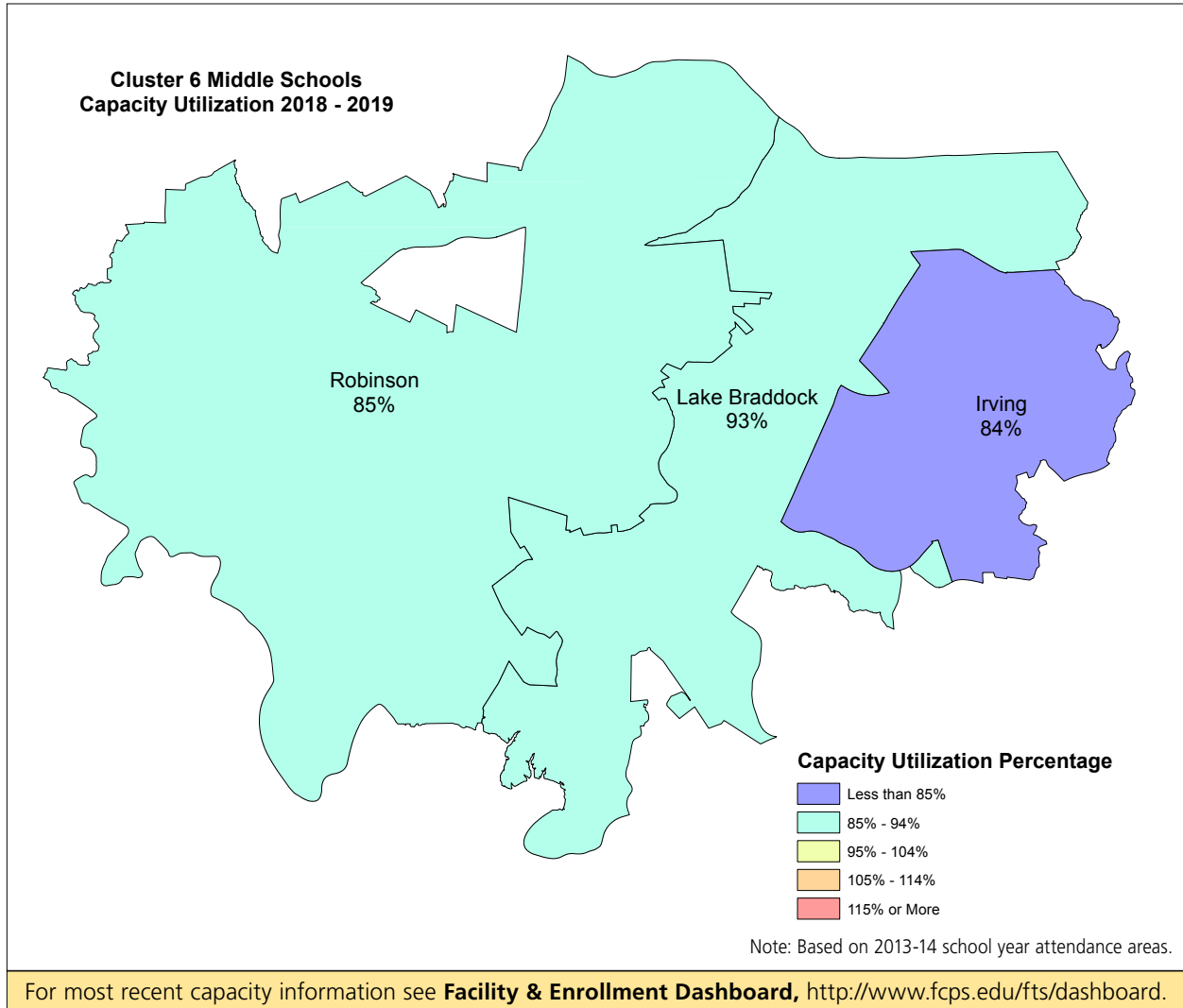
Ravensworth: Potential receiving school for new programs; renovation with capacity enhancement to be completed in FY 2016

Rolling Valley: Potential boundary adjustment with Cardinal Forest (sending school)

Sangster: Potential impact from AAP realignment; capacity deficit accommodated with temporary facilities and/or interior modifications; potential boundary adjustment with Cherry Run (receiving school)

Terra Centre: Potential receiving school for new programs; renovation with capacity enhancement to be completed in FY 2015

Cluster 6 Middle School Capacity Utilization, School Year 2018-19

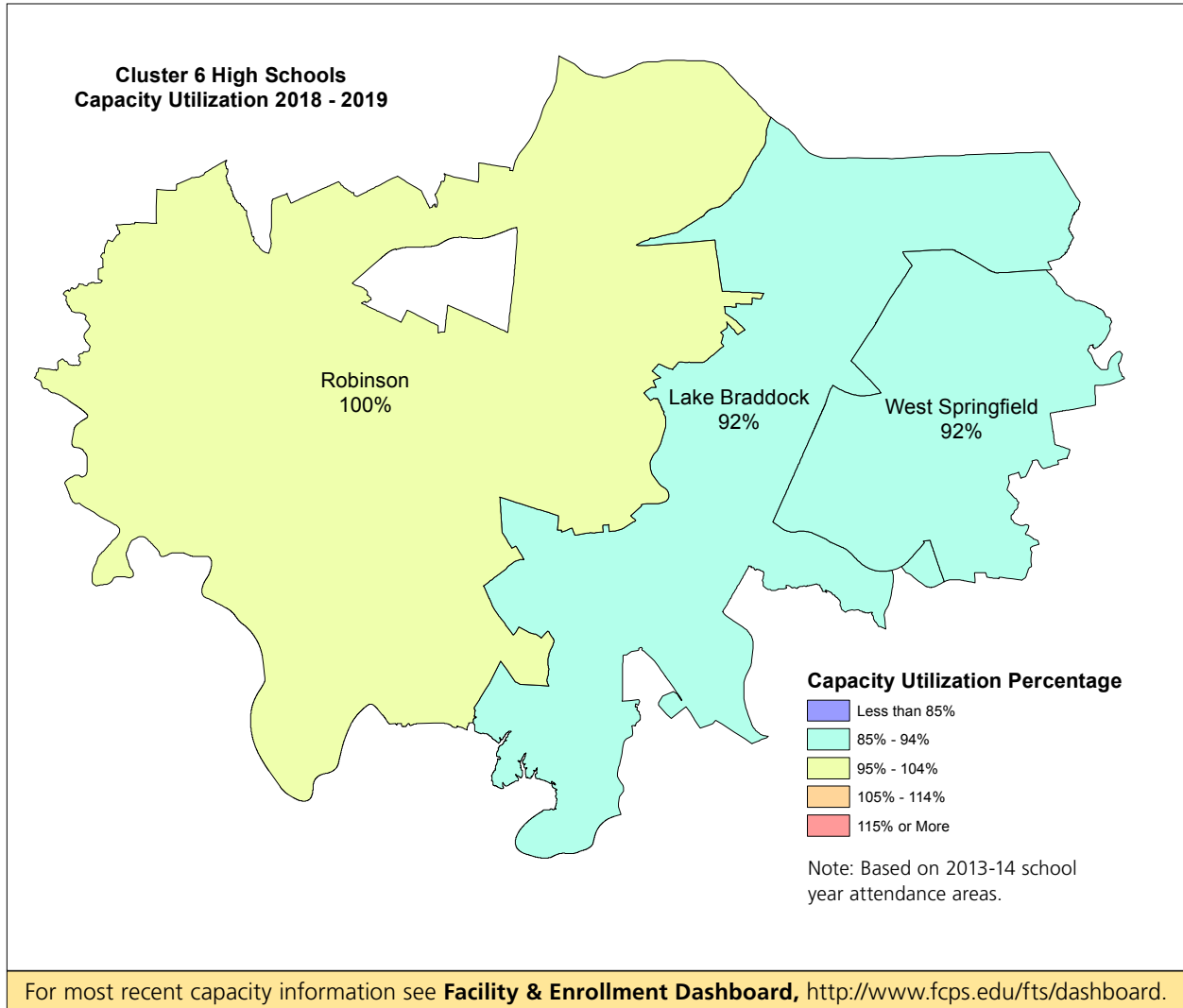


Irving: Capacity surplus, potential receiving school for new programs

Lake Braddock: Potential receiving school for new programs (George Mason University Lab School)

Robinson: Receiving school for students from Woodson HS/Frost MS boundary study change

Cluster 6 High School Capacity Utilization, School Year 2018-19



Lake Braddock: Capacity surplus, potential receiving school for new programs (George Mason University Lab School)

West Springfield: Renovation to be completed in 10-year CIP cycle

Robinson: Receiving school for Woodson HS/Frost MS boundary change

Cluster VI
Lake Braddock H.S. Pyramid

School	Current Capacity	Current 2013 Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Lake Braddock H.S.	2,952	2,657	98.97%	2,615	2,679	2,704	2,700	2,702	337	273	248	252	250
Lake Braddock M.S.	1,636	1,386	91.36%	1,507	1,493	1,498	1,491	1,529	129	143	138	145	107
Cherry Run ⁵	514/525	500	91.77%	462	457	451	445	440	52	57	63	69	85
Kings Glen	560	482	93.36%	428	406	437	463	493	132	154	123	97	67
Kings Park	771	677	95.20%	727	768	754	757	750	44	3	17	14	21
Ravensworth ⁵	591/650	537	98.17%	534	516	512	518	512	57	134	138	132	138
Sangster	904	929	87.94%	940	991	1,009	1,022	1,028	-36	-87	-105	-118	-124
White Oaks	901	827	89.88%	861	881	887	889	873	40	20	14	12	28

Robinson H.S. Pyramid

School	Current Capacity	Current 2013 Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Robinson H.S. ²	2,568	2,709	96.52%	2,793	2,690	2,684	2,648	2,570	-225	-122	-116	-80	-2
Robinson M.S. ²	1,296	1,219	90.87%	1,162	1,137	1,123	1,122	1,098	134	159	173	174	198
Bonnie Brae	817	701	95.24%	713	707	720	734	740	104	110	97	83	77
Fairview	724	661	94.84%	664	664	644	623	618	60	60	80	101	106
Laurel Ridge	903	814	97.02%	770	748	723	696	675	133	155	180	207	228
Oak View	840	754	98.11%	760	749	752	758	753	80	91	88	82	87
Terra Centre ⁵	590/650	550	93.00%	504	488	468	449	439	86	162	182	201	211

West Springfield H.S. Pyramid

School	Current Capacity	Current 2013 Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
West Springfield H.S.	2,155	2,265	98.97%	2,255	2,086	2,007	1,975	1,972	-100	69	148	180	183
Irving M.S.	1,222	973	96.49%	909	900	958	996	1,021	313	322	264	226	201
Cardinal Forest	657	616	96.10%	660	698	723	744	767	-3	-41	-66	-87	-110
Hunt Valley	663	621	97.18%	634	637	651	665	671	29	26	12	-2	-8
Keene Mill ⁵	666/750	722	96.12%	763	769	767	765	764	-97	-103	-101	-15	-14
Orange Hunt	845	823	93.81%	822	840	858	862	859	23	5	-13	-17	-14
Rolling Valley	623	560	93.80%	550	563	553	567	567	73	60	70	56	56
West Springfield	563	460	96.23%	501	515	508	503	489	62	48	55	60	74

Capacities and capacity balances include modular additions.

¹ Enrollment figures do not include Special Education Center students.

² Boundary study impact. Schools currently going through phased-in boundary changes.

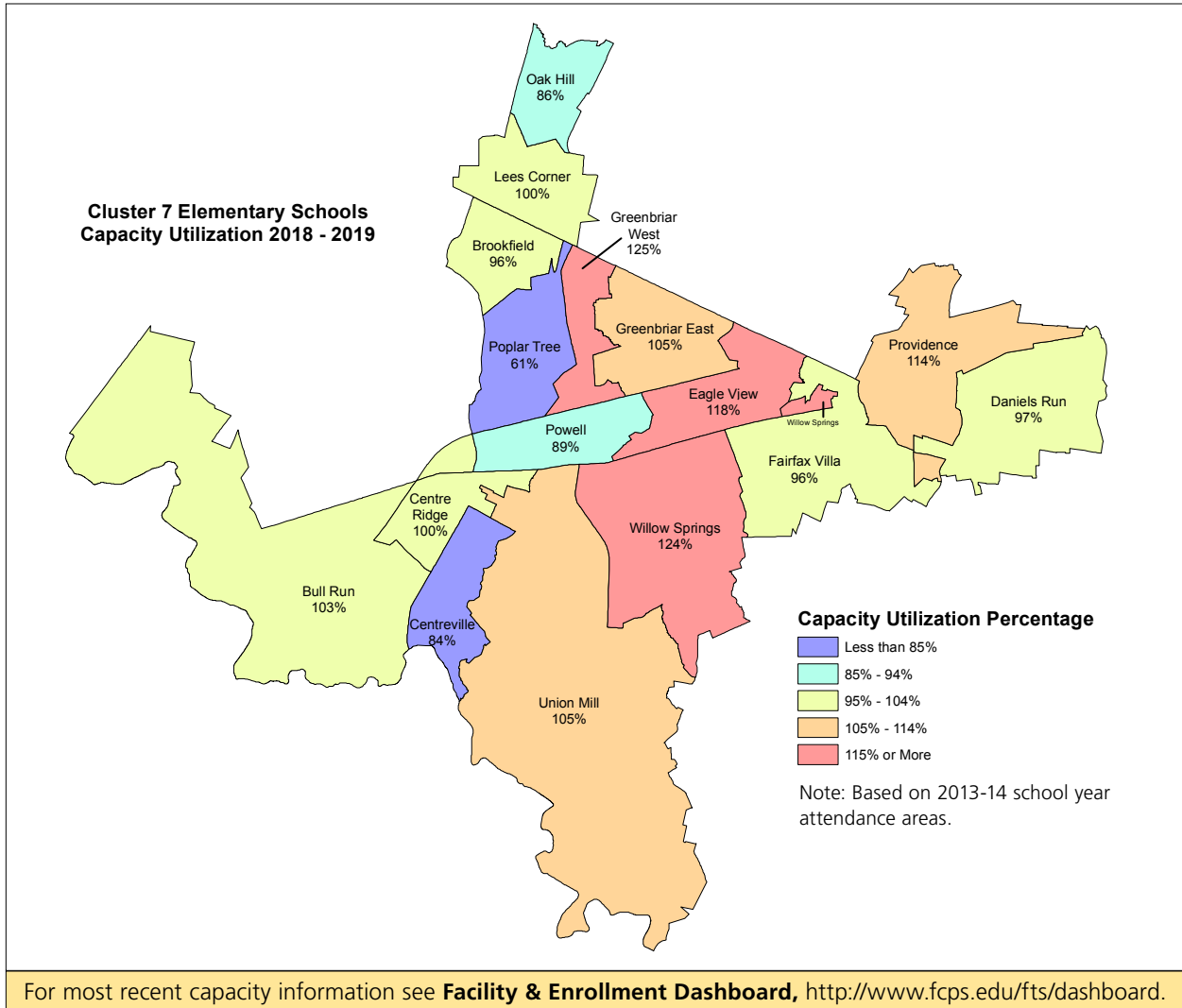
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Cluster 7 Elementary School Capacity Utilization, School Year 2018-19



Bull Run: Enrollment is currently below capacity, monitor projected enrollment growth; future capacity deficit accommodated with temporary facilities and/or interior modifications

Centreville: Capacity surplus, potential receiving school for new programs; potential boundary adjustment with Union Mill (sending school)

Eagle View: Potential program reduction; capacity deficit accommodated with temporary facilities and/or interior modifications and/or capacity enhancements

Greenbriar East: Capacity enhancement completed in FY 2014; capacity deficit accommodated with temporary facilities and/or interior modifications

Greenbriar West: Potential impact from AAP realignment

Oak Hill: Potential impact from opening of new Northwest County Elementary School

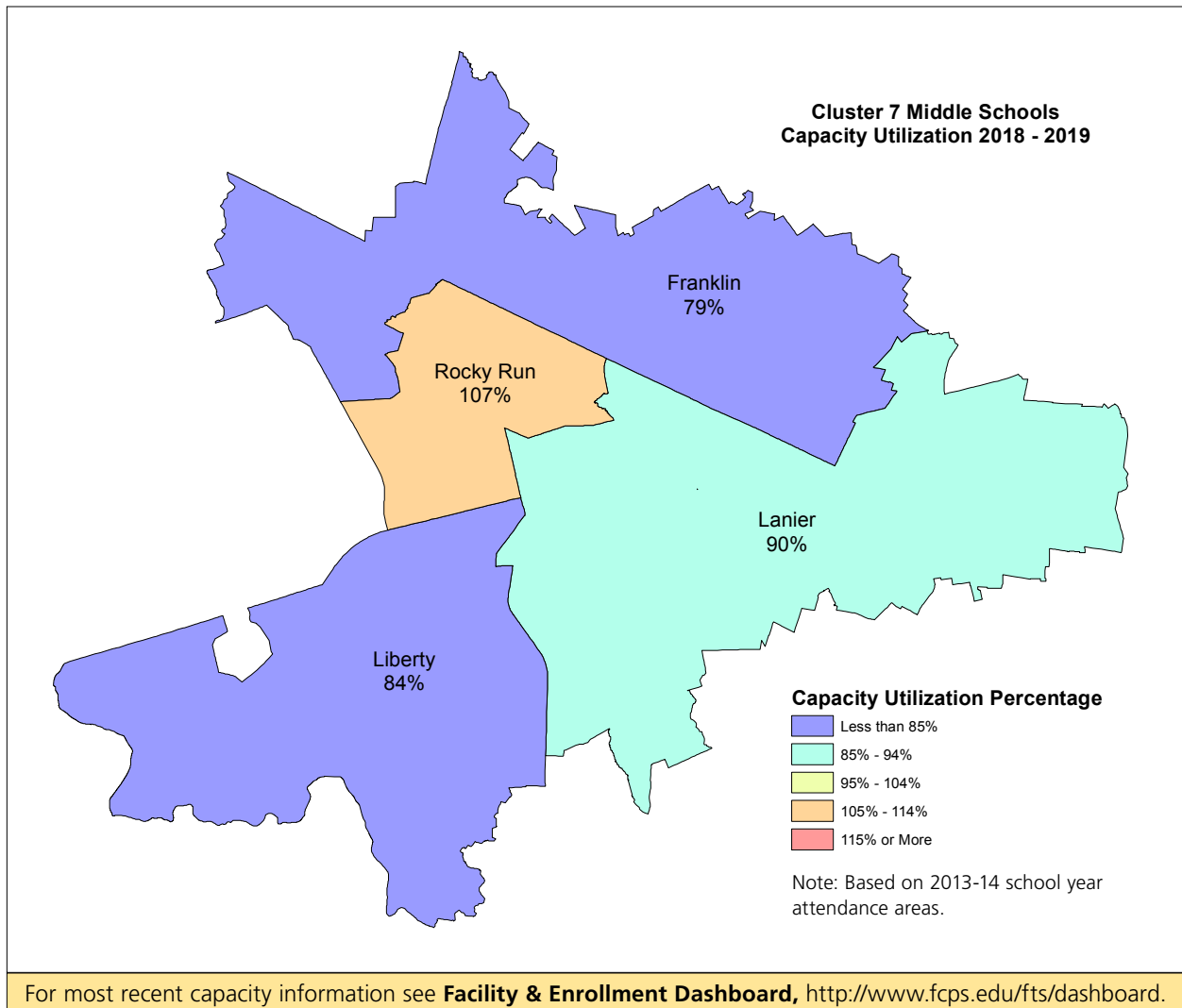
Poplar Tree: Capacity surplus, potential receiving school for new AAP program or other special programs

Providence: Potential relief from new Fairfax/Oakton Area Elementary School; facility owned by City of Fairfax

Union Mill: Capacity enhancement completed in FY 2014; current enrollment is slightly below capacity, monitor projected growth; capacity deficit accommodated with temporary facilities and/or interior modifications; potential boundary adjustment with Centreville ES (receiving school)

Willow Springs: Potential AAP or special program reduction; capacity deficit accommodated with temporary facilities and/or interior modifications

Cluster 7 Middle School Capacity Utilization, School Year 2018-19

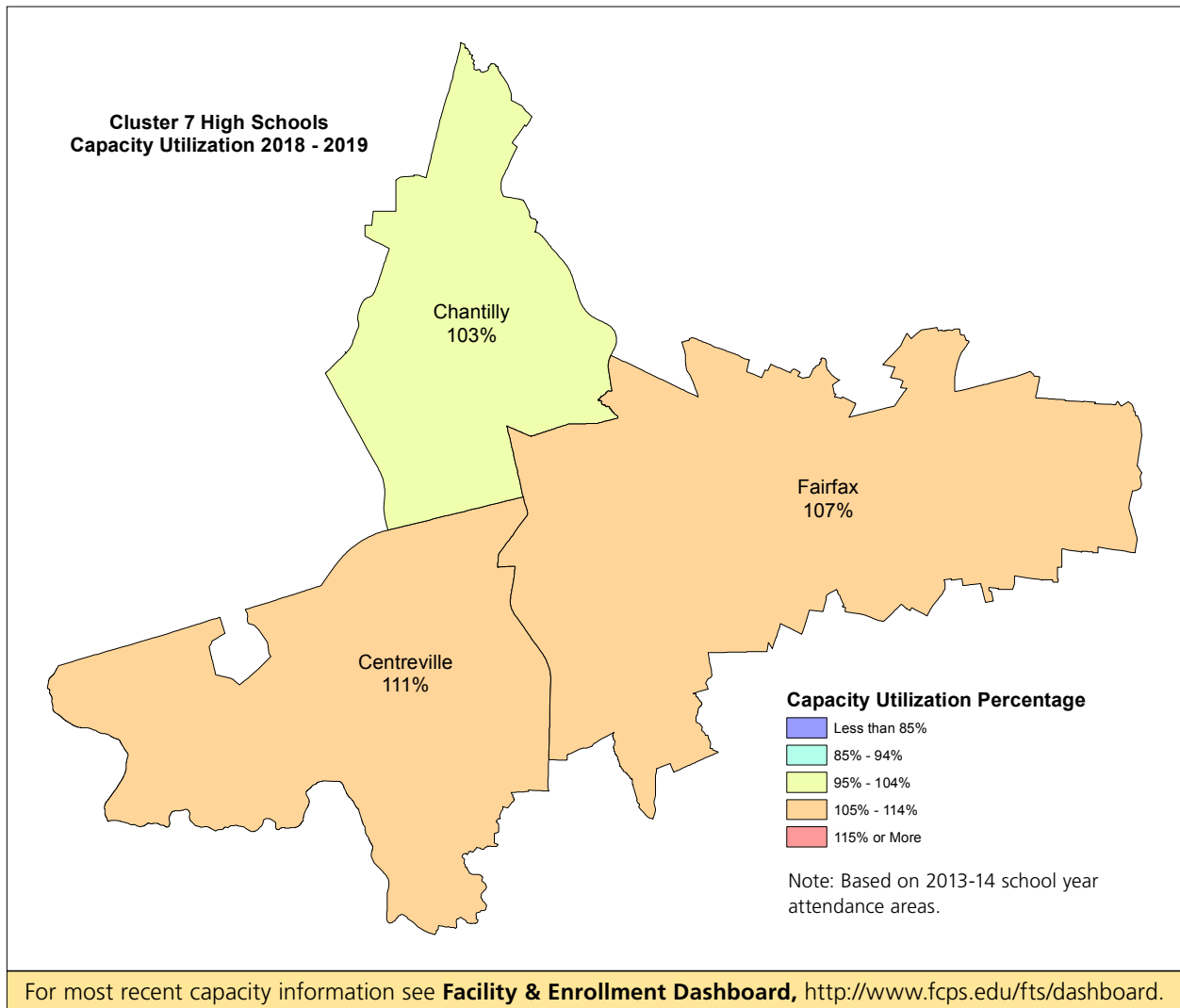


Franklin: Impact from the boundary adjustments associated with the Fairfax HS/Lanier MS boundary study will result in an enrollment increase; potential impact from AAP realignment

Lanier: Impact from boundary adjustments associated with the Fairfax HS/Lanier MS boundary study; facility owned by City of Fairfax

Rocky Run: Impact from boundary adjustments associated with the Fairfax HS/Lanier MS boundary study; capacity deficit accommodated with temporary facilities and/or interior modifications

Cluster 7 High School Capacity Utilization, School Year 2018-19



Centreville: Potential relief from future new high school

Chantilly: Capacity deficit accommodated with temporary facilities and/or interior modifications. Impact from boundary adjustments associated with the Fairfax HS/Lanier MS boundary study; potential impact from future new high school

Fairfax: Impact from boundary adjustments associated with the Fairfax HS/Lanier MS boundary study; potential impact from future new high school; facility owned by City of Fairfax

Cluster VII
Centreville H.S. Pyramid

School	Current Capacity	Current 2013 Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Centreville H.S.	2,042	2,392	97.99%	2,385	2,334	2,297	2,292	2,276	-343	-292	-255	-250	-234
Liberty M.S.	1,283	1,108	99.55%	1,025	1,028	1,051	1,042	1,082	258	255	232	241	201
Bull Run	923	856	96.74%	973	964	947	950	954	-50	-41	-24	-27	-31
Centre Ridge ²	870	813	95.99%	811	843	866	875	870	59	27	4	-5	0
Centreville ²	1,064	906	93.21%	943	927	904	916	891	121	137	160	148	173
Colin Powell ²	1,106	999	84.23%	1,001	1,083	1,060	1,025	985	105	23	46	81	121
Union Mill ²	989	980	99.38%	983	953	994	1,007	1,038	6	36	-5	-18	-49

Chantilly H.S. Pyramid

School	Current Capacity	Current 2013 Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Chantilly H.S. ²	2,580	2,687	100.00%	2,600	2,616	2,620	2,639	2,649	-20	-36	-40	-59	-69
Franklin M.S. ²	1,080	856	97.73%	786	807	806	801	848	294	273	274	279	232
Rocky Run M.S. ²	1,075	1,098	95.43%	1,151	1,144	1,140	1,130	1,149	-76	-69	-65	-55	-74
Brookfield	836	808	90.89%	844	836	821	809	805	-8	0	15	27	31
Greenbriar East ²	1,045	1,005	97.55%	996	1,056	1,077	1,093	1,094	49	-11	-32	-48	-49
Greenbriar West	875	1,062	85.56%	1,064	1,096	1,088	1,095	1,097	-189	-221	-213	-220	-222
Lees Corner	751	742	95.62%	732	758	768	765	751	19	-7	-17	-14	0
Oak Hill	885	879	92.54%	845	805	789	771	765	40	80	96	114	120
Poplar Tree	689	631	94.66%	527	516	492	458	422	162	173	197	231	267

Fairfax H.S. Pyramid

School	Current Capacity	Current 2013 Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Fairfax H.S. ²	2,414	2,609	93.78%	2,618	2,494	2,477	2,544	2,585	-204	-80	-63	-130	-171
Lanier M.S. ²	1,307	1,161	94.70%	1,106	1,064	1,084	1,144	1,174	201	243	223	163	133
Daniels Run	716	770	100.00%	775	767	735	723	693	-59	-51	-19	-7	23
Eagle View ²	816	710	86.69%	859	918	945	947	960	-43	-102	-129	-131	-144
Fairfax Villa ²	667	596	91.83%	628	607	627	630	637	39	60	40	37	30
Providence	857	932	96.18%	924	921	940	958	981	-67	-64	-83	-101	-124
Willow Springs	928	997	91.39%	1,069	1,087	1,106	1,133	1,152	-141	-159	-178	-205	-224

Capacities and capacity balances include modular additions.

¹ Enrollment figures do not include Special Education Center students.

² Boundary study impact. Schools currently going through phased-in boundary changes.

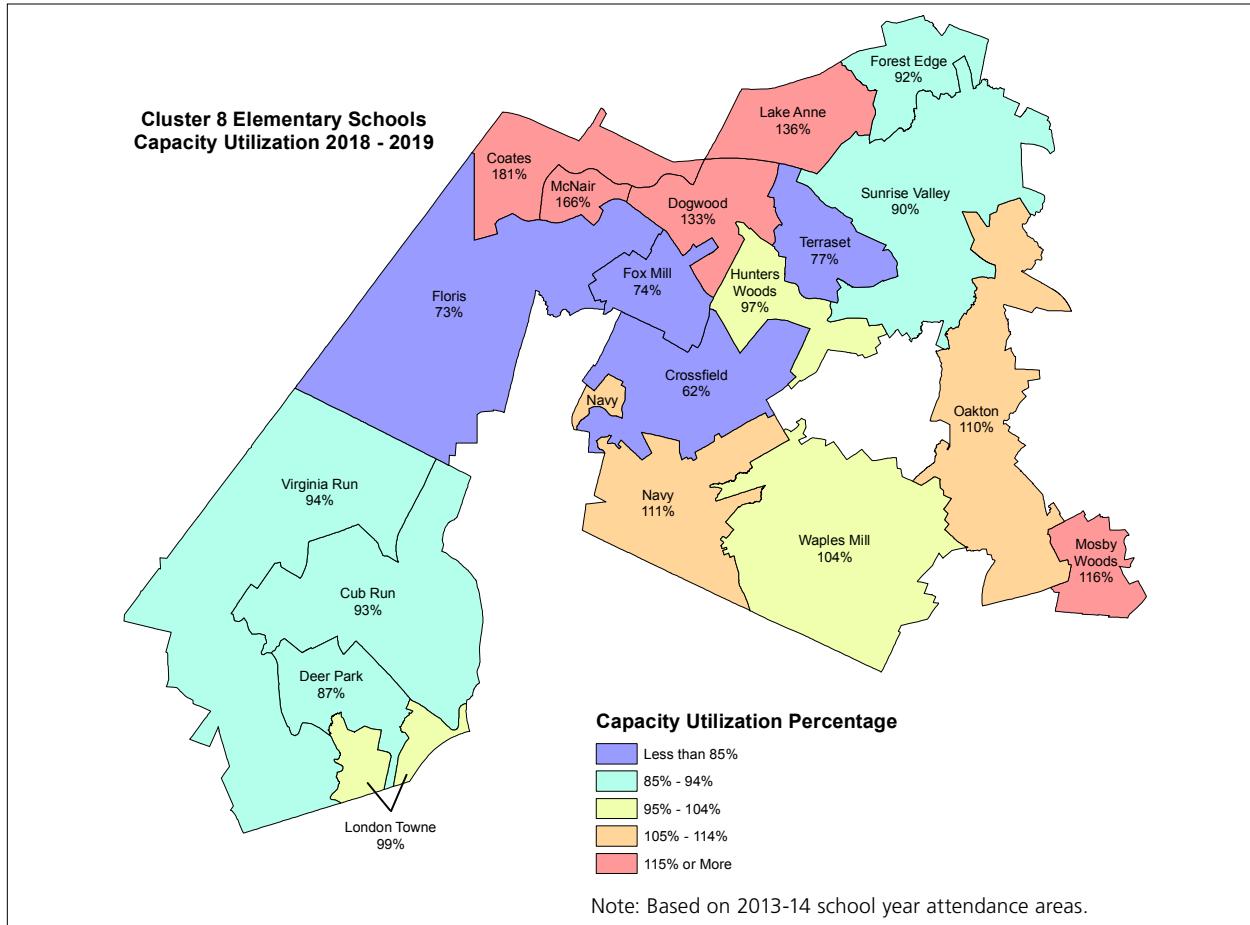
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Cluster 8 Elementary School Capacity Utilization, School Year 2018-19



For most recent capacity information see **Facility & Enrollment Dashboard**, <http://www.fcps.edu/fts/dashboard>.

Coates: Capacity deficit accommodated with temporary facilities and/or interior modifications and/or capacity enhancements. Potential relief from new Northwest County Elementary School

Crossfield: Capacity surplus, potential receiving school for new programs; potential boundary adjustment with Navy (sending school)

Dogwood: Potential relief from new Northwest County Elementary School; potential for boundary adjustments with Terraset and Fox Mill (receiving schools)

Floris: Potential impact from new Northwest County Elementary School; potential receiving school for special programs/AAP

Forest Edge: Potential for boundary adjustment with Lake Anne (sending school)

Fox Mill: Potential impact from new Northwest County Elementary School; potential for boundary adjustment with Dogwood (sending school)

Lake Anne: Potential for boundary adjustment with Sunrise Valley and Forest Edge (receiving schools)

McNair: Capacity deficit accommodated with temporary facilities and/or interior modifications and/or capacity

enhancements. Potential relief from new Northwest County Elementary School; potential AAP program realignment

Mosby Woods: Capacity deficit accommodated with temporary facilities and/or interior modifications and/or capacity enhancements. Potential relief from new Fairfax/Oakton Area Elementary School; potential AAP realignment

Navy: Potential impact from new Northwest County Elementary School; potential boundary adjustment with Crossfield (receiving school)

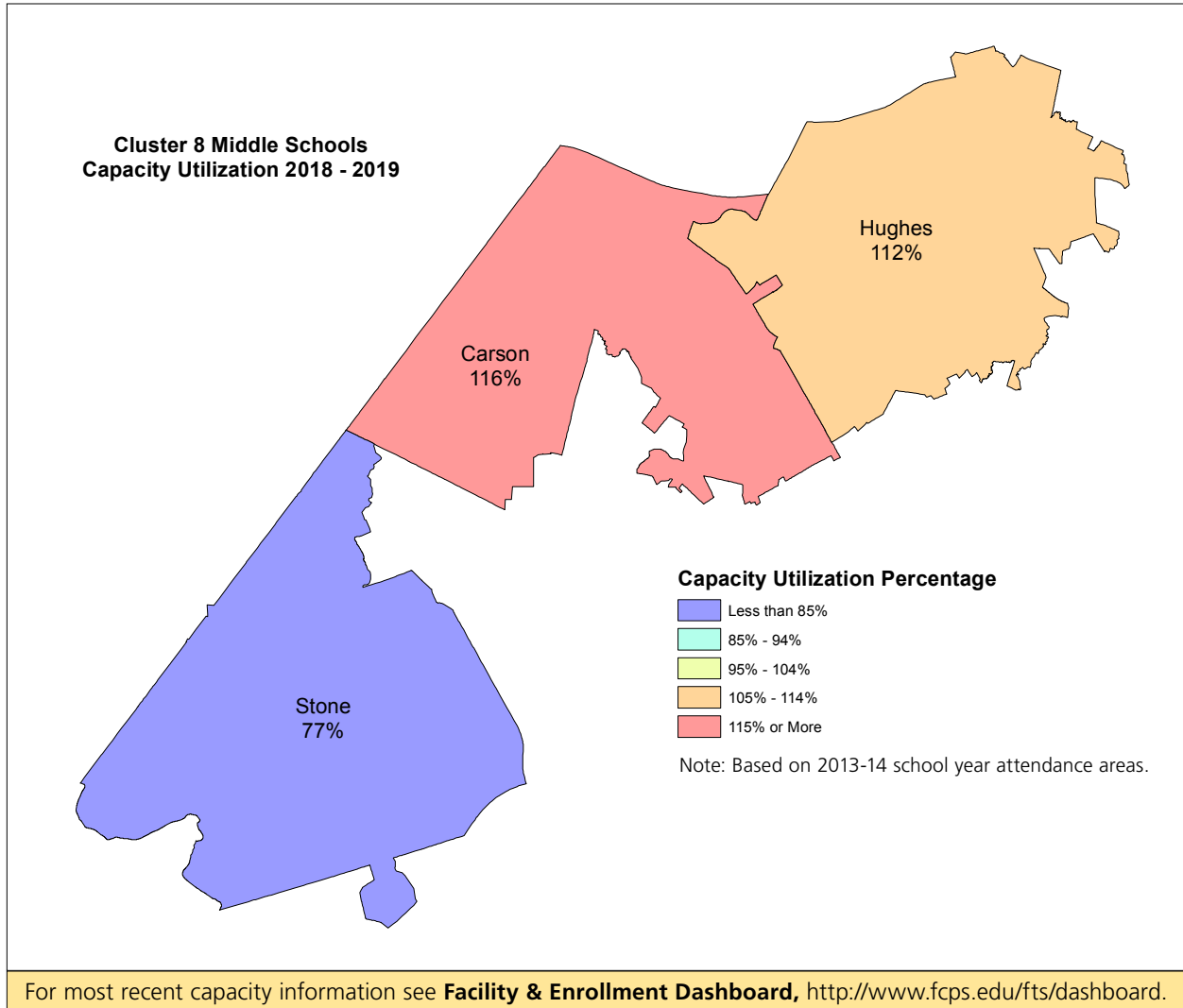
Oakton: Potential for boundary adjustment with Flint Hill in Cluster II (receiving school) and new Fairfax/Oakton Area Elementary School

Sunrise Valley: Renovation with capacity enhancement to be completed in FY 2016; potential boundary adjustment with Lake Anne (sending school)

Terraset: Renovation with capacity enhancement to be completed in FY 2016; potential receiving school for new programs; potential boundary adjustment with Dogwood (sending school)

Waples Mill: Capacity deficit accommodated with temporary facilities and/or interior modifications and/or capacity enhancements. Potential impact from new Fairfax/Oakton Area Elementary School

Cluster 8 Middle School Capacity Utilization, School Year 2018-19

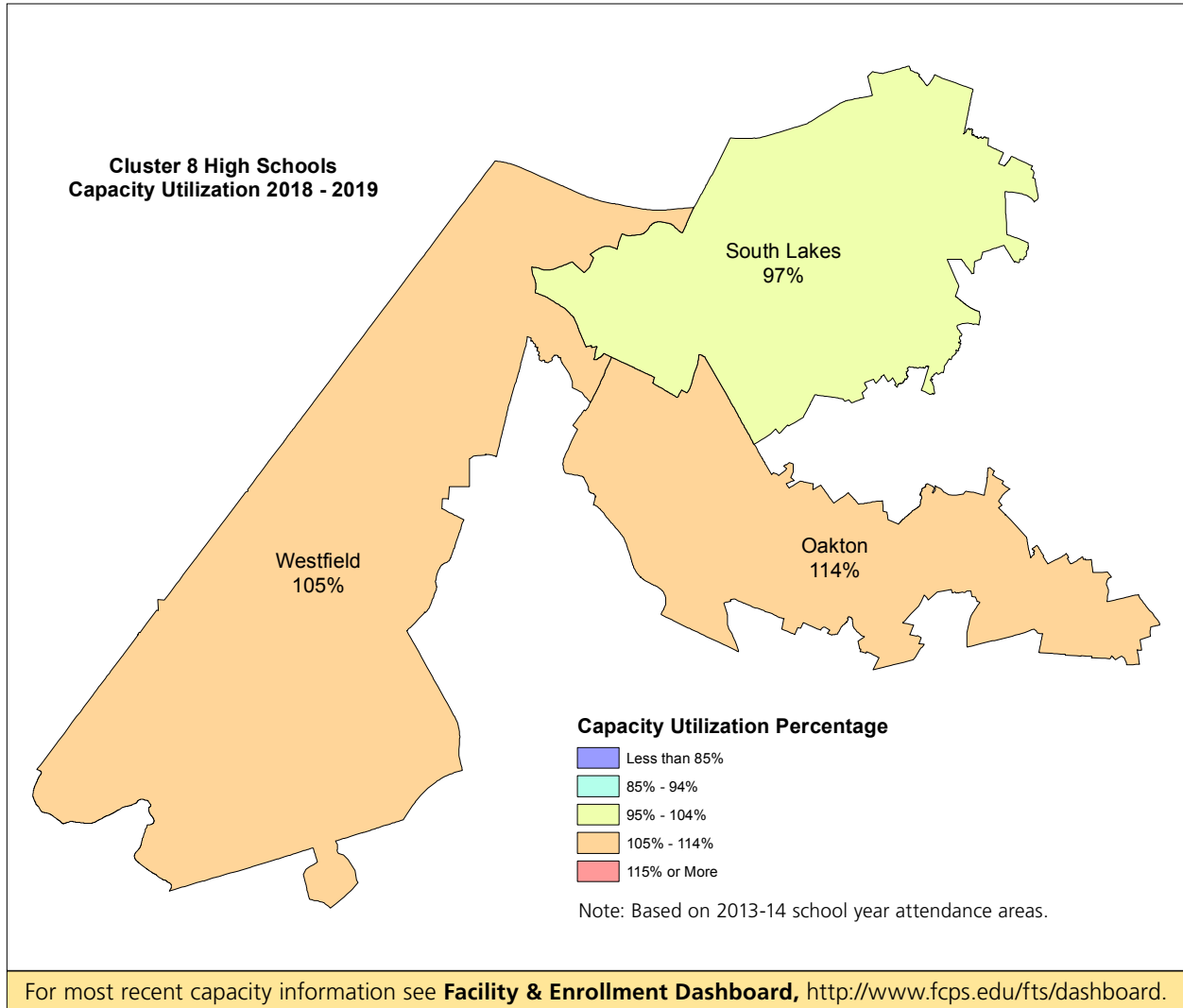


Carson: Potential for AAP realignment; capacity deficit accommodated with temporary facilities and/or interior modifications

Hughes: Capacity deficit accommodated with temporary facilities and/or interior modifications. Potential for capacity enhancement with renovation to be completed in 10-year CIP cycle

Stone: Capacity surplus; potential receiving school for special programs

Cluster 8 High School Capacity Utilization, School Year 2018-19



Oakton: Renovation and capacity enhancement to be completed in 10-year CIP cycle; potential impact from future new high school; impact from Fairfax HS/Lanier MS boundary study

Westfield: Potential impact from future new high school; capacity deficit accommodated with temporary facilities and/or interior modifications

South Lakes: Capacity enhancement to be completed in FY 2018 (planning funded in 2013 bond referendum; construction funds to be included in a future referendum); potential impact from future new high school

Cluster VIII
Oakton H.S. Pyramid

School	Current Capacity	Current Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Oakton H.S. ²	2,096	2,198	96.96%	2,220	2,266	2,312	2,348	2,380	-124	-170	-216	-252	-284
Carson M.S.	1,350	1,341	95.92%	1,371	1,469	1,501	1,474	1,562	-21	-119	-151	-124	-212
Crossfield	768	699	95.75%	641	577	537	505	477	127	191	231	263	291
Mosby Woods	923	964	97.01%	1,045	1,070	1,060	1,060	1,069	-122	-147	-137	-137	-146
Navy	879	855	85.23%	948	963	1,026	991	980	-69	-84	-147	-112	-101
Oakton	732	840	95.39%	812	799	805	810	803	-80	-67	-73	-78	-71
Waples Mill	831	861	95.77%	849	858	870	871	866	-18	-27	-39	-40	-35

South Lakes H.S. Pyramid

School	Current Capacity	Current Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
South Lakes H.S. ⁵	2113/2750	2,347	97.26%	2,280	2,304	2,388	2,524	2,659	-167	-191	-275	226	91
Hughes M.S.	1,109	1,001	91.42%	1,125	1,193	1,240	1,258	1,239	-16	-84	-131	-149	-130
Dogwood	756	841	100.00%	872	894	936	959	1,008	-116	-138	-180	-203	-252
Forest Edge	836	789	99.50%	753	768	770	769	770	83	68	66	67	66
Fox Mill	702	632	87.54%	593	551	547	536	521	109	151	155	166	181
Hunters Woods	923	1,114	94.81%	1,015	951	888	892	896	-92	-28	35	31	27
Lake Anne	709	652	87.28%	781	821	853	901	962	-72	-112	-144	-192	-253
Sunrise Valley ⁵	694/750	580	97.15%	649	660	665	676	676	45	90	85	74	74
Terraset ⁵	590/800	514	95.74%	559	593	601	600	619	31	207	199	200	181

Westfield H.S. Pyramid

School	Current Capacity	Current Enrollment	Accuracy of 1 Year Projection For 2013	Projected School Year Membership					School Year Capacity Balance				
				2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Westfield H.S.	2,756	2,750	97.92%	2,697	2,694	2,712	2,747	2,891	59	62	44	9	-135
Stone M.S. ²	1,128	819	99.51%	823	834	879	886	868	305	294	249	242	260
Coates	766	809	91.72%	957	1,080	1,206	1,300	1,388	-191	-314	-440	-534	-622
Cub Run	706	610	94.72%	667	666	672	662	658	39	40	34	44	48
Deer Park	810	673	94.92%	644	659	688	699	708	166	151	122	111	102
Floris	774	703	98.99%	709	636	605	593	567	65	138	169	181	207
London Towne	962	909	96.09%	902	901	910	918	948	60	61	52	44	14
McNair ³	874	1,093	88.58%	1,235	1,338	1,396	1,452	1,450	-361	-464	-522	-578	-576
Virginia Run	897	778	93.28%	832	835	828	849	844	65	62	69	48	53

Capacities and capacity balances include modular additions.

¹ Enrollment figures do not include Special Education Center students.

² Boundary study impact. Schools currently going through phased-in boundary changes.

³ Significant changes due to NCLB sending/receiving students.

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Additional Maps

Elementary School AAP Assignments and School-Based AAP Centers

This map can be viewed online. Visit www.fcps.edu/fts/planning/maps.



Middle School Assignments for Advanced Academic Programs

This map can be viewed online. Visit www.fcps.edu/fts/planning/maps.

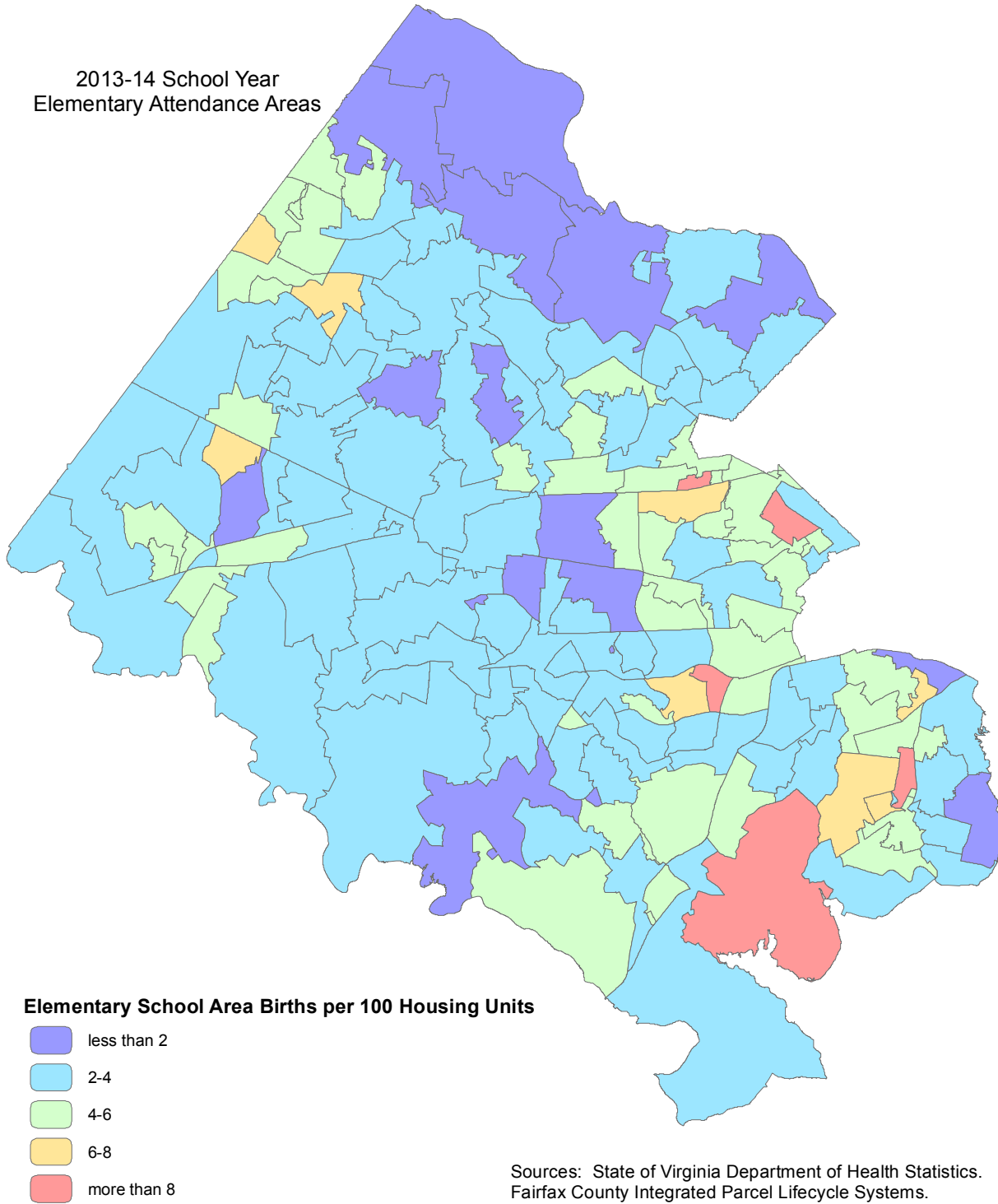


* Rising 7th grade students from this area have the option to attend the AAP Center at Frost Middle School in School Year 2013 - 2014

** Rising 7th grade students from this area have the option to attend the AAP Center at Lake Braddock Middle School in School Year 2013 - 2014

2007-08 Births Per Housing Units

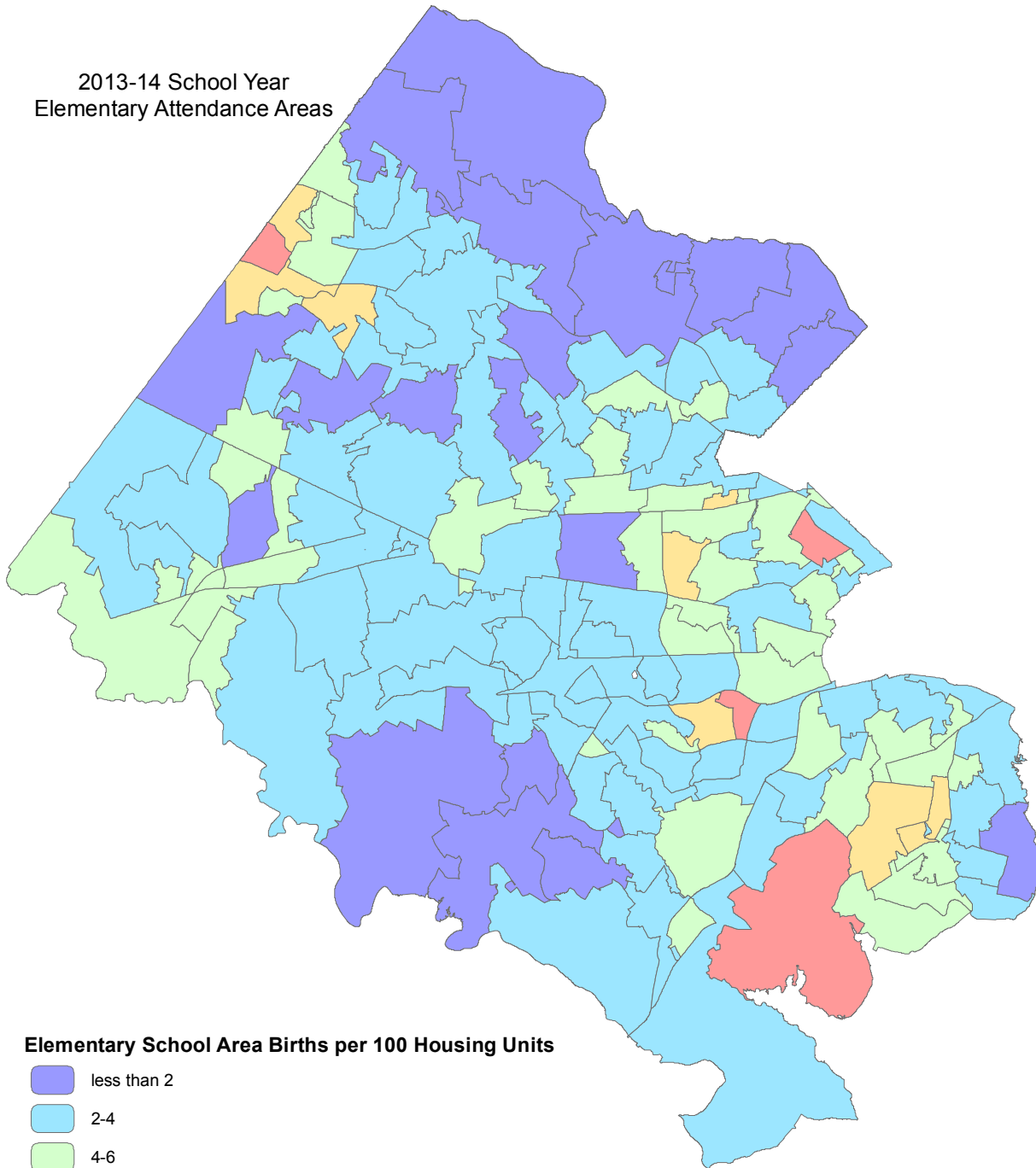
2013-14 School Year
Elementary Attendance Areas



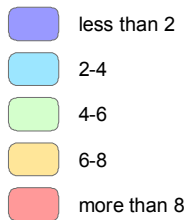
Sources: State of Virginia Department of Health Statistics.
Fairfax County Integrated Parcel Lifecycle Systems.

2011-12 Births Per Housing Units

2013-14 School Year
Elementary Attendance Areas

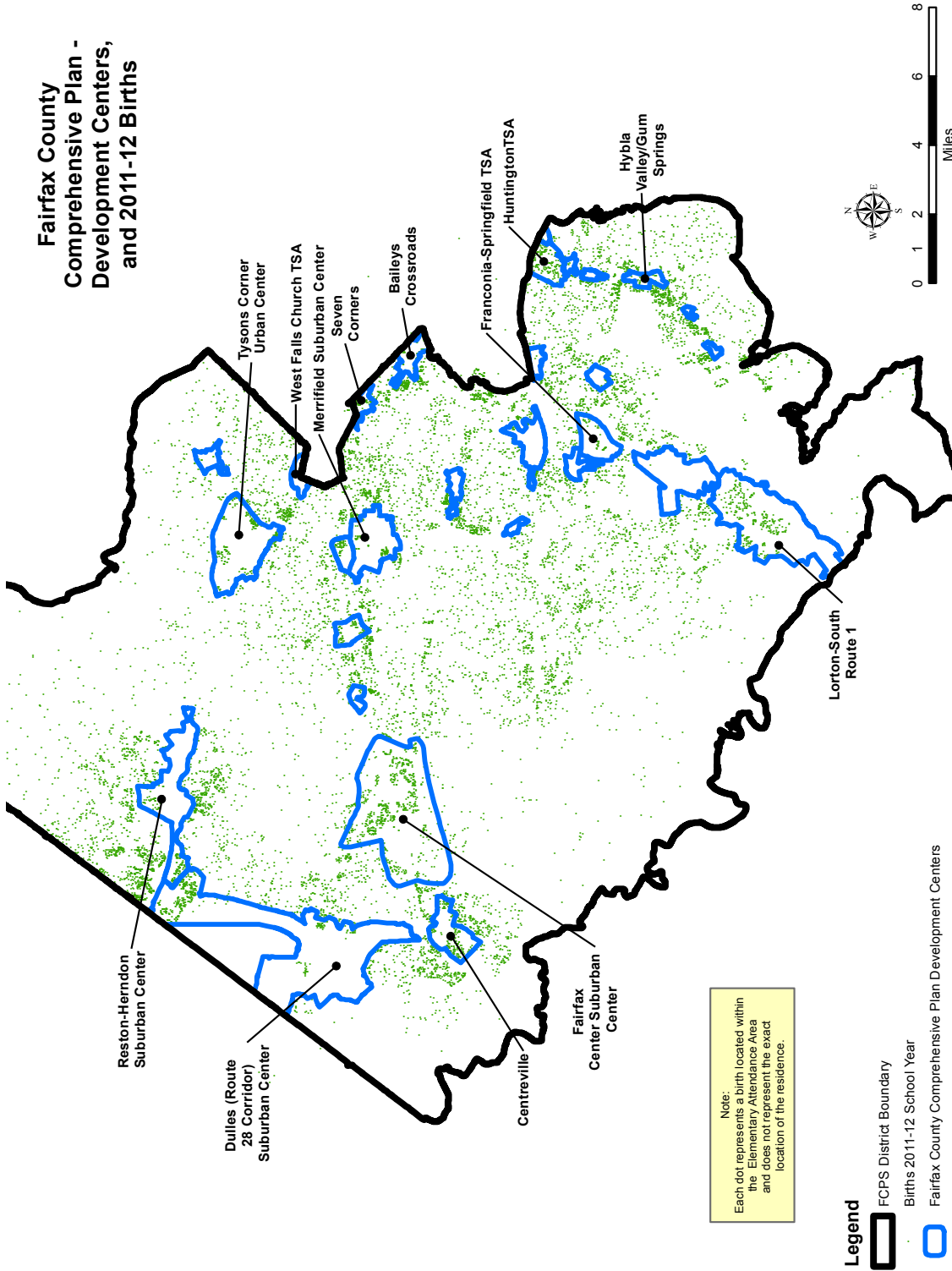


Elementary School Area Births per 100 Housing Units



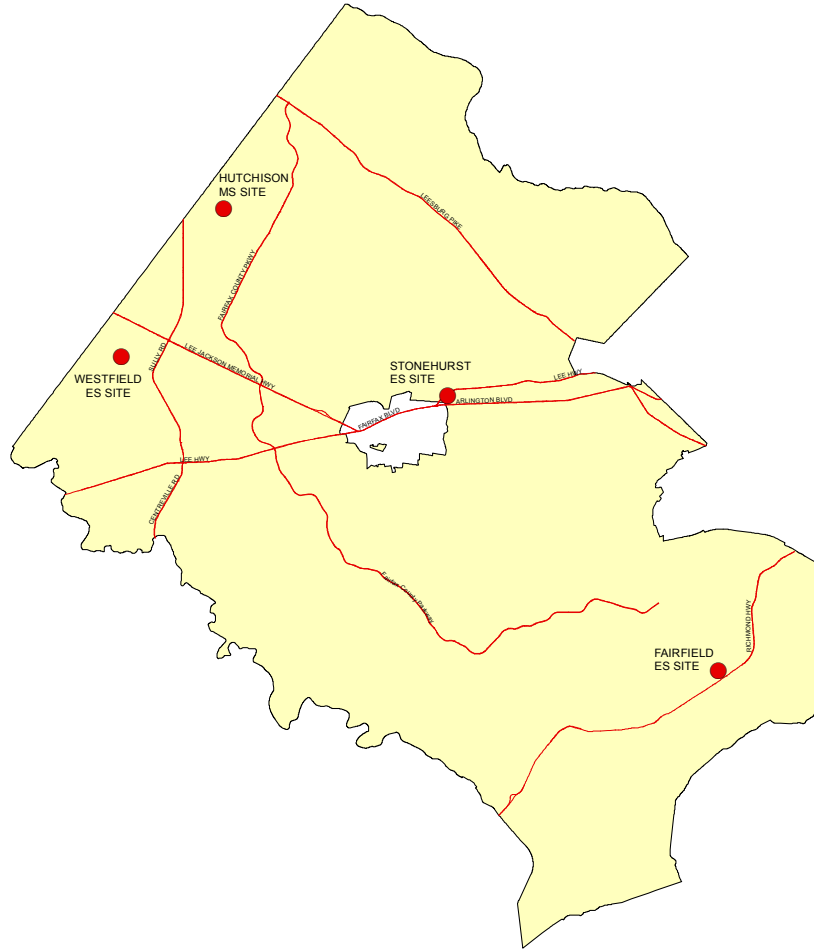
Sources: State of Virginia Department of Health Statistics.
Fairfax County Integrated Parcel Lifecycle Systems.

Fairfax County Comprehensive Plan: Development Centers and 2011-12 Births



Fairfax County
Comprehensive Plan -
Development Centers,
and 2011-12 Births

FCPS Vacant School Sites



School Site No.	Site Name	How Acquired	Tax Map No.	Magisterial District	Acreage	Present Status
137	Stonehurst ES	Dedicated	48-4	Providence	5.39	4/14/77: Interim use agreement with the Stonehurst Homeowners Association.
225	Fairfield ES (Pinewood Lake)	Dedicated	101-1	Lee	11.33	4/22/75: Agreement with civic association (Boy Scout Troop #831) for clean-up. Partially developed. Scheduled by Recreation Department.
240	Westfield ES	Purchased	43-2	Sully	12.00	Acreage shown is available after High School and FCPA use, transportation facility and road dedication.
287	Hutchison MS	Dedicated	16-1	Dranesville	24.20	Interim use agreement with Park Authority.

Alphabetical List of Schools

ALDRIN ES

Cluster	1
Year Opened	1994
Capacity Enhancements	---
Renovations	---
Square Footage	97,436
Acreage	13.69
Feeder School	Herndon MS Herndon HS

ANNANDALE HS

Cluster	3
Year Opened	1954
Capacity Enhancements	2010
Renovations	2005
Square Footage	345,994
Acreage	28.04

ANNANDALE TERRACE ES

Cluster	3
Year Opened	1964
Capacity Enhancements	2002
Renovations	1991
Square Footage	63,502
Acreage	12.00
Feeder School	Poe MS Annandale HS

ARMSTRONG ES

Cluster	1
Year Opened	1986
Capacity Enhancements	1990
Renovations	---
Square Footage	80,000
Acreage	14.30
Feeder School	Herndon MS Herndon HS

BAILEY'S ES

Cluster	3
Year Opened	1952
Capacity Enhancements	2002
Renovations	1995
Square Footage	108,268
Acreage	9.54
Feeder School	Glasgow MS Stuart HS

BEECH TREE ES

Cluster	3
Year Opened	1968
Capacity Enhancements	2004
Renovations	2012
Square Footage	70,331
Acreage	9.90
Feeder School	Glasgow Stuart HS

BELLE VIEW ES

Cluster	4
Year Opened	1952
Capacity Enhancements	1970
Renovations	1991
Square Footage	75,779
Acreage	10.50
Feeder School	Sandburg MS West Potomac HS

BELVEDERE ES

Cluster	3
Year Opened	1954
Capacity Enhancements	1990
Renovations	1996
Square Footage	76,611
Acreage	10.93
Feeder School	Glasgow MS Stuart HS

BONNIE BRAE ES

Cluster	6
Year Opened	1988
Capacity Enhancements	---
Renovations	---
Square Footage	88,778
Acreage	13.29
Feeder School	Robinson MS Robinson HS

BRADDOCK ES

Cluster	3
Year Opened	1959
Capacity Enhancements	2008
Renovations	1983
Square Footage	71,533
Acreage	12.32
Feeder School	Poe MS Annandale HS

BREN MAR PARK ES

Cluster	3
Year Opened	1957
Capacity Enhancements	2002
Renovations	1991
Square Footage	62,999
Acreage	9.61
Feeder School	Holmes MS Edison HS

BROOKFIELD ES

Cluster	7
Year Opened	1967
Capacity Enhancements	1998
Renovations	1986
Square Footage	107,827
Acreage	13.00
Feeder School	Rocky Run MS, Franklin MS Chantilly HS

Alphabetical List of Schools (continued)

BUCKNELL ES

Cluster	4
Year Opened	1954
Capacity Enhancements	1978
Renovations	1994
Square Footage	65,470
Acreage	10.00
Feeder School	Sandburg MS West Potomac HS

BULL RUN ES

Cluster	7
Year Opened	1999
Capacity Enhancements	---
Renovations	---
Square Footage	98,590
Acreage	40.77
Feeder School	Liberty MS, Stone MS Centreville HS, Westfield HS

BUSH HILL ES

Cluster	5
Year Opened	1954
Capacity Enhancements	2000
Renovations	2000
Square Footage	70,939
Acreage	11.03
Feeder School	Twain MS Edison HS

CAMELOT ES

Cluster	2
Year Opened	1969
Capacity Enhancements	---
Renovations	2002
Square Footage	89,938
Acreage	10.00
Feeder School	Jackson MS Falls Church HS

CAMERON ES

Cluster	5
Year Opened	1952
Capacity Enhancements	2002
Renovations	1993
Square Footage	82,523
Acreage	8.00
Feeder School	Twain MS Edison HS

CANTERBURY WOODS ES

Cluster	3
Year Opened	1965
Capacity Enhancements	2004
Renovations	2013
Square Footage	62,630
Acreage	11.75
Feeder School	Frost MS Woodson HS

CARDINAL FOREST ES

Cluster	6
Year Opened	1966
Capacity Enhancements	1969
Renovations	2000
Square Footage	80,214
Acreage	12.70
Feeder School	Irving MS West Springfield HS

CARSON MS

Cluster	8
Year Opened	1998
Capacity Enhancements	---
Renovations	---
Square Footage	178,723
Acreage	32.94
Feeder School	Westfield HS, South Lakes HS, Oakton HS

CENTRE RIDGE ES

Cluster	7
Year Opened	1990
Capacity Enhancements	---
Renovations	---
Square Footage	93,981
Acreage	13.78
Feeder School	Liberty MS Centreville HS

CENTREVILLE ES

Cluster	7
Year Opened	1994
Capacity Enhancements	---
Renovations	---
Square Footage	98,625
Acreage	13.13
Feeder School	Liberty MS Centreville HS

CENTREVILLE HS

Cluster	7
Year Opened	1988
Capacity Enhancements	2005
Renovations	---
Square Footage	327,000
Acreage	36.40

CHANTILLY HS

Cluster	7
Year Opened	1972
Capacity Enhancements	2005
Renovations	1993
Square Footage	387,550
Acreage	35.01

Alphabetical List of Schools (continued)

CHERRY RUN ES

Cluster	6
Year Opened	1983
Capacity Enhancements	1983
Renovations	---
Square Footage	63,518
Acreage	11.02
Feeder School	Lake Braddock MS Lake Braddock HS

CHESTERBROOK ES

Cluster	1
Year Opened	1926
Capacity Enhancements	1999
Renovations	2000
Square Footage	76,713
Acreage	14.26
Feeder School	Longfellow MS McLean HS

CHURCHILL ROAD ES

Cluster	1
Year Opened	1958
Capacity Enhancements	2006
Renovations	2001
Square Footage	67,788
Acreage	10.00
Feeder School	Cooper MS Langley HS

CLEARVIEW ES

Cluster	1
Year Opened	1979
Capacity Enhancements	1990
Renovations	---
Square Footage	85,609
Acreage	13.90
Feeder School	Herndon MS Herndon HS

CLERMONT ES

Cluster	5
Year Opened	1968
Capacity Enhancements	1983
Renovations	1982
Square Footage	50,800
Acreage	13.00
Feeder School	Twain MS Edison HS

COATES ES

Cluster	8
Year Opened	2009
Capacity Enhancements	---
Renovations	---
Square Footage	89,758
Acreage	14.38
Feeder School	Carson MS, Herndon MS Westfield HS, Herndon HS

COLIN L. POWELL ES

Cluster	7
Year Opened	2003
Capacity Enhancements	2010
Renovations	---
Square Footage	98,590
Acreage	17.07
Feeder School	Liberty MS, Lanier MS Centreville HS, Fairfax HS

COLUMBIA ES

Cluster	3
Year Opened	1967
Capacity Enhancements	1988
Renovations	1995
Square Footage	54,993
Acreage	10.00
Feeder School	Holmes MS, Poe MS Annandale HS

COLVIN RUN ES

Cluster	1
Year Opened	2003
Capacity Enhancements	---
Renovations	---
Square Footage	98,590
Acreage	12.55
Feeder School	Cooper MS, Longfellow MS Langley HS, McLean HS

COOPER MS

Cluster	1
Year Opened	1962
Capacity Enhancements	2006
Renovations	1989
Square Footage	111,760
Acreage	20.22
Feeder School	Langley HS

CRESTWOOD ES

Cluster	5
Year Opened	1955
Capacity Enhancements	2004
Renovations	2000
Square Footage	62,596
Acreage	11.18
Feeder School	Key MS Lee HS

CROSSFIELD ES

Cluster	8
Year Opened	1988
Capacity Enhancements	---
Renovations	---
Square Footage	89,134
Acreage	14.20
Feeder School	Carson MS, Hughes MS, Franklin MS, Oakton HS, South Lakes HS, Chantilly HS

Alphabetical List of Schools (continued)

CUB RUN ES

Cluster	8
Year Opened	1986
Capacity Enhancements	---
Renovations	---
Square Footage	77,850
Acreage	16.26
Feeder School	Stone MS, Franklin MS Westfield HS, Chantilly HS

CUNNINGHAM PARK ES

Cluster	2
Year Opened	1967
Capacity Enhancements	1992
Renovations	2000
Square Footage	55,470
Acreage	10.37
Feeder School	Thoreau MS Madison HS, Marshall HS

DANIELS RUN ES

Cluster	7
Year Opened	1955
Capacity Enhancements	2000
Renovations	2001
Square Footage	93,312
Acreage	13.70
Feeder School	Lanier MS Fairfax HS

DEER PARK ES

Cluster	8
Year Opened	1995
Capacity Enhancements	2002
Renovations	---
Square Footage	86,990
Acreage	10.00
Feeder School	Stone MS Westfield HS

DOGWOOD ES

Cluster	8
Year Opened	2001
Capacity Enhancements	---
Renovations	---
Square Footage	98,900
Acreage	14.00
Feeder School	Hughes MS South Lakes HS

DRANESVILLE ES

Cluster	1
Year Opened	1988
Capacity Enhancements	---
Renovations	---
Square Footage	88,778
Acreage	13.15
Feeder School	Herndon MS Herndon HS

EAGLE VIEW ES

Cluster	7
Year Opened	2006
Capacity Enhancements	---
Renovations	---
Square Footage	98,590
Acreage	12.50
Feeder School	Lanier MS Fairfax HS

EDISON HS

Cluster	5
Year Opened	1962
Capacity Enhancements	1986
Renovations	2012
Square Footage	351,000
Acreage	43.48

FAIRFAX HS

Cluster	7
Year Opened	1972
Capacity Enhancements	2007
Renovations	2007
Square Footage	397,407
Acreage	47.76

FAIRFAX VILLA ES

Cluster	7
Year Opened	1965
Capacity Enhancements	1993
Renovations	1993
Square Footage	57,974
Acreage	11.55
Feeder School	Lanier MS Fairfax HS

FAIRHILL ES

Cluster	2
Year Opened	1965
Capacity Enhancements	1996
Renovations	1996
Square Footage	73,174
Acreage	10.17
Feeder School	Jackson MS Falls Church HS

FAIRVIEW ES

Cluster	6
Year Opened	1938
Capacity Enhancements	1983
Renovations	2000
Square Footage	82,115
Acreage	14.36
Feeder School	Robinson MS Robinson HS

Alphabetical List of Schools (continued)

FALLS CHURCH HS

Cluster	2
Year Opened	1967
Capacity Enhancements	1988
Renovations	1989
Square Footage	306,487
Acreage	39.54

FLINT HILL ES

Cluster	2
Year Opened	1954
Capacity Enhancements	1993
Renovations	1993
Square Footage	73,532
Acreage	10.00
Feeder School	Thoreau MS Madison HS

FLORIS ES

Cluster	8
Year Opened	1955
Capacity Enhancements	2004
Renovations	2004
Square Footage	83,560
Acreage	10.00
Feeder School	Carson MS South Lakes HS, Westfield HS

FOREST EDGE ES

Cluster	8
Year Opened	1971
Capacity Enhancements	---
Renovations	2005
Square Footage	96,624
Acreage	13.37
Feeder School	Hughes MS South Lakes HS

FORESTDALE ES

Cluster	5
Year Opened	1964
Capacity Enhancements	2006
Renovations	1993
Square Footage	55,985
Acreage	9.50
Feeder School	Key MS Lee HS

FORESTVILLE ES

Cluster	1
Year Opened	1980
Capacity Enhancements	1998
Renovations	---
Square Footage	75,592
Acreage	7.72
Feeder School	Cooper MS Langley HS

FORT BELVOIR ES

Cluster	4
Year Opened	1998
Capacity Enhancements	---
Renovations	---
Square Footage	134,939
Acreage	19.80
Feeder School	Whitman MS Mount Vernon HS

FORT HUNT ES

Cluster	4
Year Opened	1969
Capacity Enhancements	1995
Renovations	2003
Square Footage	87,481
Acreage	13.03
Feeder School	Sandburg MS West Potomac HS

FOX MILL ES

Cluster	8
Year Opened	1979
Capacity Enhancements	1980
Renovations	---
Square Footage	75,784
Acreage	13.55
Feeder School	Carson MS South Lakes HS

FRANCONIA ES

Cluster	5
Year Opened	1931
Capacity Enhancements	1986
Renovations	2012
Square Footage	71,658
Acreage	6.75
Feeder School	Twain MS Edison HS

FRANKLIN MS

Cluster	7
Year Opened	1984
Capacity Enhancements	---
Renovations	---
Square Footage	150,481
Acreage	35.29
Feeder School	Chantilly HS, Oakton HS, Westfield HS, Fairfax

FRANKLIN SHERMAN ES

Cluster	1
Year Opened	1952
Capacity Enhancements	1975
Renovations	2009
Square Footage	65,965
Acreage	10.75
Feeder School	Longfellow MS, Cooper MS McLean HS, Langley HS

Alphabetical List of Schools (continued)

FREEDOM HILL ES

Cluster	2
Year Opened	1949
Capacity Enhancements	1990
Renovations	2009
Square Footage	79,750
Acreage	12.07
Feeder School	Kilmer MS, Thoreau MS Marshall HS, Madison HS

FROST MS

Cluster	3
Year Opened	1964
Capacity Enhancements	1991
Renovations	1991
Square Footage	127,981
Acreage	24.00
Feeder School	Woodson HS

GARFIELD ES

Cluster	5
Year Opened	1952
Capacity Enhancements	1967
Renovations	1990
Square Footage	60,776
Acreage	8.16
Feeder School	Key MS Lee HS

GLASGOW MS

Cluster	3
Year Opened	2008
Capacity Enhancements	---
Renovations	---
Square Footage	199,406
Acreage	22.40
Feeder School	Stuart HS

GLEN FOREST ES

Cluster	3
Year Opened	1957
Capacity Enhancements	2002
Renovations	1994
Square Footage	88,236
Acreage	10.23
Feeder School	Glasgow MS Stuart HS

GRAHAM ROAD ES (NEW)

Cluster	2
Year Opened	2012
Capacity Enhancements	---
Renovations	2012
Square Footage	81,354
Acreage	8.13
Feeder School	Jackson MS Falls Church HS

GREAT FALLS ES

Cluster	1
Year Opened	1952
Capacity Enhancements	1991
Renovations	2010
Square Footage	87,447
Acreage	10.00
Feeder School	Cooper MS Langley HS

GREENBRIAR EAST ES

Cluster	7
Year Opened	1968
Capacity Enhancements	1986
Renovations	2005
Square Footage	80,778
Acreage	10.00
Feeder School	Lanier MS, Rocky Run MS Fairfax HS, Chantilly HS

GREENBRIAR WEST ES

Cluster	7
Year Opened	1971
Capacity Enhancements	1992
Renovations	2006
Square Footage	93,203
Acreage	10.00
Feeder School	Rocky Run MS, Lanier MS Chantilly HS, Fairfax HS

GROVETON ES

Cluster	4
Year Opened	1972
Capacity Enhancements	---
Renovations	2005
Square Footage	91,581
Acreage	12.99
Feeder School	Sandburg MS West Potomac HS

GUNSTON ES

Cluster	4
Year Opened	1954
Capacity Enhancements	1988
Renovations	1996
Square Footage	80,736
Acreage	10.00
Feeder School	Hayfield MS, South County MS Hayfield HS, South County HS

HALLEY ES

Cluster	5
Year Opened	1995
Capacity Enhancements	---
Renovations	---
Square Footage	98,900
Acreage	20.11
Feeder School	South County MS South County HS

Alphabetical List of Schools (continued)

HAYCOCK ES

Cluster	1
Year Opened	1954
Capacity Enhancements	2009
Renovations	1990
Square Footage	62,850
Acreage	10.00
Feeder School	Longfellow MS McLean HS

HAYFIELD ES

Cluster	4
Year Opened	1966
Capacity Enhancements	1992
Renovations	2002
Square Footage	80,149
Acreage	13.13
Feeder School	Hayfield MS Hayfield HS

HAYFIELD HS

Cluster	4
Year Opened	1968
Capacity Enhancements	2002
Renovations	2004
Square Footage	516,960
Acreage	57.50

HAYFIELD MS

Cluster	4
Year Opened	1968
Capacity Enhancements	2002
Renovations	2004
Square Footage	516,960
Acreage	57.50
Feeder School	Hayfield HS

HERNDON ES

Cluster	1
Year Opened	1961
Capacity Enhancements	2007
Renovations	1991
Square Footage	85,396
Acreage	14.00
Feeder School	Herndon MS Herndon HS

HERNDON HS

Cluster	1
Year Opened	1967
Capacity Enhancements	1991
Renovations	1991
Square Footage	304,921
Acreage	40.22

HERNDON MS

Cluster	1
Year Opened	1927
Capacity Enhancements	1962
Renovations	1994
Square Footage	200,388
Acreage	27.30
Feeder School	Herndon HS

HOLLIN MEADOWS ES

Cluster	4
Year Opened	1965
Capacity Enhancements	2001
Renovations	1983
Square Footage	58,900
Acreage	9.65
Feeder School	Sandburg MS West Potomac HS

HOLMES MS

Cluster	3
Year Opened	1966
Capacity Enhancements	1991
Renovations	2003
Square Footage	158,849
Acreage	28.20
Feeder School	Annandale HS, Edison HS

HUGHES MS

Cluster	8
Year Opened	1980
Capacity Enhancements	---
Renovations	---
Square Footage	130,400
Acreage	25.00
Feeder School	South Lakes HS

HUNT VALLEY ES

Cluster	6
Year Opened	1968
Capacity Enhancements	1990
Renovations	1995
Square Footage	90,187
Acreage	13.00
Feeder School	Irving MS West Springfield HS

HUNTERS WOODS ES

Cluster	8
Year Opened	1969
Capacity Enhancements	1987
Renovations	2003
Square Footage	99,787
Acreage	11.23
Feeder School	Hughes MS South Lakes HS

Alphabetical List of Schools (continued)

HUTCHISON ES

Cluster	1
Year Opened	1975
Capacity Enhancements	1990
Renovations	2005
Square Footage	106,408
Acreage	38.80
Feeder School	Herndon MS Herndon HS

HYBLA VALLEY ES

Cluster	4
Year Opened	1964
Capacity Enhancements	2012
Renovations	1989
Square Footage	92,489
Acreage	10.00
Feeder School	Sandburg MS West Potomac HS

IRVING MS

Cluster	6
Year Opened	1960
Capacity Enhancements	1967
Renovations	1994
Square Footage	156,838
Acreage	20.80
Feeder School	West Springfield HS, Lee HS

ISLAND CREEK ES

Cluster	4
Year Opened	2003
Capacity Enhancements	---
Renovations	---
Square Footage	98,590
Acreage	18.50
Feeder School	Hayfield MS Hayfield HS

JEFFERSON TECH HS

Cluster	3
Year Opened	1964
Capacity Enhancements	1988
Renovations	1989
Square Footage	264,506
Acreage	39.15

KEENE MILL ES

Cluster	6
Year Opened	1961
Capacity Enhancements	1990
Renovations	1991
Square Footage	66,087
Acreage	11.49
Feeder School	Irving MS, Lake Braddock MS West Springfield HS, Lake Braddock HS

KENT GARDENS ES

Cluster	1
Year Opened	1957
Capacity Enhancements	2002
Renovations	2003
Square Footage	77,900
Acreage	10.92
Feeder School	Longfellow MS McLean HS

KEY MS

Cluster	5
Year Opened	1971
Capacity Enhancement	---
Renovations	2008
Square Footage	221,670
Acreage	20.60
Feeder School	Lee HS

KILMER MS

Cluster	2
Year Opened	1967
Capacity Enhancements	---
Renovations	2002
Square Footage	194,855
Acreage	23.40
Feeder School	Marshall HS, Madison HS

KINGS GLEN ES

Cluster	6
Year Opened	1969
Capacity Enhancements	1986
Renovations	2001
Square Footage	72,702
Acreage	8.20
Feeder School	Lake Braddock MS Lake Braddock HS

KINGS PARK ES

Cluster	6
Year Opened	1964
Capacity Enhancements	---
Renovations	1997
Square Footage	70,662
Acreage	10.10
Feeder School	Lake Braddock MS Lake Braddock HS

LAKE ANNE ES

Cluster	8
Year Opened	1967
Capacity Enhancements	2004
Renovations	2011
Square Footage	86,200
Acreage	10.18
Feeder School	Hughes MS South Lakes HS

Alphabetical List of Schools (continued)

LAKE BRADDOCK HS

Cluster 6
 Year Opened 1971
 Capacity Enhancements ---
 Renovations 2007
 Square Footage 604,660
 Acreage 60.06

LAKE BRADDOCK MS

Cluster 6
 Year Opened 1971
 Capacity Enhancements ---
 Renovations 2007
 Square Footage 604,660
 Acreage 60.06
 Feeder School Lake Braddock HS

LANE ES

Cluster 4
 Year Opened 1995
 Capacity Enhancements ---
 Renovations ---
 Square Footage 98,625
 Acreage 20.34
 Feeder School Hayfield MS, Twain MS
 Hayfield HS, Edison HS

LANGLEY HS

Cluster 1
 Year Opened 1965
 Capacity Enhancements 2008
 Renovations 1990
 Square Footage 247,465
 Acreage 42.86

LANIER MS

Cluster 7
 Year Opened 1960
 Capacity Enhancements 2006
 Renovations 2008
 Square Footage 182,589
 Acreage 19.40
 Feeder School Fairfax HS

LAUREL HILL ES

Cluster 5
 Year Opened 2009
 Capacity Enhancements ---
 Renovations ---
 Square Footage 98,590
 Acreage 8.66
 Feeder School South County MS
 South County HS

LAUREL RIDGE ES

Cluster 6
 Year Opened 1970
 Capacity Enhancements 1993
 Renovations 2005
 Square Footage 112,320
 Acreage 12.55
 Feeder School Robinson MS
 Robinson HS

LEE HS

Cluster 5
 Year Opened 1958
 Capacity Enhancements 1974
 Renovations 2005
 Square Footage 336,068
 Acreage 25.32

LEES CORNER ES

Cluster 7
 Year Opened 1987
 Capacity Enhancements ---
 Renovations ---
 Square Footage 81,843
 Acreage 11.04
 Feeder School Franklin MS
 Chantilly HS

LEMON ROAD ES

Cluster 2
 Year Opened 1955
 Capacity Enhancements 1978
 Renovations 2003
 Square Footage 62,225
 Acreage 12.01
 Feeder School Kilmer MS, Longfellow MS
 Marshall HS, McLean HS

LIBERTY MS

Cluster 7
 Year Opened 2002
 Capacity Enhancements ---
 Renovations ---
 Square Footage 178,723
 Acreage 79.86
 Feeder School Centreville HS

LITTLE RUN ES

Cluster 3
 Year Opened 1963
 Capacity Enhancements 1993
 Renovations 1993
 Square Footage 55,085
 Acreage 10.11
 Feeder School Frost MS, Lake Braddock MS
 Woodson HS,
 Lake Braddock HS

Alphabetical List of Schools (continued)

LONDON TOWNE ES

Cluster 8
 Year Opened 1969
 Capacity Enhancements 2003
 Renovations 2000
 Square Footage 92,870
 Acreage 12.71
 Feeder School Stone MS
 Westfield HS

LONGFELLOW MS

Cluster 1
 Year Opened 1960
 Capacity Enhancements 2002
 Renovations ---
 Square Footage 175,793
 Acreage 17.57
 Feeder School McLean HS

LORTON STATION ES

Cluster 4
 Year Opened 2003
 Capacity Enhancements ---
 Renovations ---
 Square Footage 98,900
 Acreage 12.81
 Feeder School Hayfield MS
 Hayfield HS

LOUISE ARCHER ES

Cluster 2
 Year Opened 1939
 Capacity Enhancements 2006
 Renovations 1991
 Square Footage 53,684
 Acreage 7.64
 Feeder School Thoreau MS
 Madison HS

LUTHER JACKSON MS

Cluster 2
 Year Opened 1954
 Capacity Enhancements 2006
 Renovations 1991
 Square Footage 154,818
 Acreage 20.40
 Feeder School Falls Church HS, Oakton HS

LYNBROOK ES

Cluster 5
 Year Opened 1956
 Capacity Enhancements 1993
 Renovations 1993
 Square Footage 72,453
 Acreage 10.64
 Feeder School Key MS
 Lee HS

MADISON HS

Cluster 2
 Year Opened 1959
 Capacity Enhancements 1979
 Renovations 2005
 Square Footage 314,342
 Acreage 31.16

MANTUA ES

Cluster 3
 Year Opened 1961
 Capacity Enhancements 2006
 Renovations 1997
 Square Footage 87,681
 Acreage 11.57
 Feeder School Frost MS
 Woodson HS

MARSHALL HS

Cluster 2
 Year Opened 1962
 Capacity Enhancements 1983
 Renovations ---
 Square Footage 283,296
 Acreage 46.50

MARSHALL ROAD ES

Cluster 2
 Year Opened 1961
 Capacity Enhancements 2009
 Renovations 1999
 Square Footage 76,597
 Acreage 11.00
 Feeder School Thoreau MS, Jackson MS
 Madison HS, Oakton HS

MASON CREST ES

Cluster 3
 Year Opened 2012
 Capacity Enhancements ---
 Renovations ---
 Square Footage 98,590
 Acreage 10.91
 Feeder School Poe MS, Glasgow MS
 Falls Church HS, Stuart HS

MCLEAN HS

Cluster 1
 Year Opened 1955
 Capacity Enhancements 1980
 Renovations 2005
 Square Footage 282,767
 Acreage 31.28

Alphabetical List of Schools (continued)

MCNAIR ES

Cluster	8
Year Opened	2001
Capacity Enhancements	2004
Renovations	---
Square Footage	98,900
Acreage	15.23
Feeder School	Carson MS Westfield HS

MOSBY WOODS ES

Cluster	8
Year Opened	1963
Capacity Enhancements	2005
Renovations	1991
Square Footage	90,379
Acreage	11.52
Feeder School	Jackson MS Oakton HS

MOUNT EAGLE ES

Cluster	5
Year Opened	1949
Capacity Enhancements	2003
Renovations	2010
Square Footage	58,799
Acreage	6.00
Feeder School	Twain MS Edison HS

MOUNT VERNON HS

Cluster	4
Year Opened	1960
Capacity Enhancements	1998
Renovations	1999
Square Footage	458,517
Acreage	41.02

MOUNT VERNON WOODS ES

Cluster	4
Year Opened	1965
Capacity Enhancements	2008
Renovations	1989
Square Footage	65,940
Acreage	10.00
Feeder School	Whitman MS Mount Vernon HS

NAVY ES

Cluster	8
Year Opened	1955
Capacity Enhancements	2004
Renovations	2006
Square Footage	91,013
Acreage	10.10
Feeder School	Franklin MS Oakton HS, Chantilly HS

NEWINGTON FOREST ES

Cluster	5
Year Opened	1983
Capacity Enhancements	---
Renovations	---
Square Footage	77,850
Acreage	13.00
Feeder School	South County MS South County HS

NORTH SPRINGFIELD ES

Cluster	3
Year Opened	1956
Capacity Enhancements	1968
Renovations	1991
Square Footage	83,256
Acreage	12.24
Feeder School	Holmes MS Annandale HS

OAK HILL ES

Cluster	7
Year Opened	1983
Capacity Enhancements	2003
Renovations	---
Square Footage	77,850
Acreage	12.09
Feeder School	Franklin MS, Carson MS Chantilly HS, Westfield HS

OAK VIEW ES

Cluster	6
Year Opened	1968
Capacity Enhancements	1990
Renovations	2000
Square Footage	88,815
Acreage	10.05
Feeder School	Frost MS, Robinson MS Woodson HS, Robinson HS

OAKTON ES

Cluster	8
Year Opened	1945
Capacity Enhancements	1987
Renovations	2012
Square Footage	91,537
Acreage	9.29
Feeder School	Jackson MS, Thoreau MS Oakton HS, Madison HS

OAKTON HS

Cluster	8
Year Opened	1967
Capacity Enhancements	1992
Renovations	1992
Square Footage	304,777
Acreage	58.84

Alphabetical List of Schools (continued)

OLDE CREEK ES

Cluster	3
Year Opened	1966
Capacity Enhancements	1987
Renovations	1997
Square Footage	69,330
Acreage	10.82
Feeder School	Frost MS, Robinson MS Woodson HS, Robinson HS

ORANGE HUNT ES

Cluster	6
Year Opened	1974
Capacity Enhancements	1976
Renovations	2002
Square Footage	92,049
Acreage	14.04
Feeder School	Irving MS West Springfield HS

PARKLAWN ES

Cluster	3
Year Opened	1958
Capacity Enhancements	2003
Renovations	1998
Square Footage	80,580
Acreage	10.70
Feeder School	Glasgow MS, Holmes MS Stuart HS, Annandale HS

PINE SPRING ES

Cluster	2
Year Opened	1955
Capacity Enhancements	1988
Renovations	2001
Square Footage	65,941
Acreage	11.19
Feeder School	Jackson MS Falls Church HS

POE MS

Cluster	3
Year Opened	1960
Capacity Enhancements	1965
Renovations	1997
Square Footage	176,089
Acreage	25.52
Feeder School	Annandale HS, Falls Church HS

POPLAR TREE ES

Cluster	7
Year Opened	1990
Capacity Enhancements	---
Renovations	---
Square Footage	94,664
Acreage	11.20
Feeder School	Rocky Run MS Chantilly HS

PROVIDENCE ES

Cluster	7
Year Opened	1956
Capacity Enhancements	1998
Renovations	2001
Square Footage	103,376
Acreage	19.50
Feeder School	Lanier MS Fairfax HS

RAVENSWORTH ES

Cluster	6
Year Opened	1963
Capacity Enhancements	1990
Renovations	1990
Square Footage	62,061
Acreage	10.13
Feeder School	Lake Braddock MS Lake Braddock HS

RIVERSIDE ES

Cluster	4
Year Opened	1968
Capacity Enhancements	2009
Renovations	2005
Square Footage	81,025
Acreage	11.02
Feeder School	Whitman MS, Sandburg MS Mount Vernon HS, West Potomac HS

ROBINSON HS

Cluster	6
Year Opened	1971
Capacity Enhancements	2005
Renovations	1996
Square Footage	532,918
Acreage	78.40

ROBINSON MS

Cluster	6
Year Opened	1971
Capacity Enhancements	2005
Renovations	1996
Square Footage	532,918
Acreage	78.40
Feeder School	Robinson HS

ROCKY RUN MS

Cluster	7
Year Opened	1980
Capacity Enhancements	---
Renovations	---
Square Footage	130,400
Acreage	25.20
Feeder School	Chantilly HS

Alphabetical List of Schools (continued)

ROLLING VALLEY ES

Cluster	6
Year Opened	1967
Capacity Enhancements	1990
Renovations	1998
Square Footage	77,801
Acreage	10.09
Feeder School	Irving MS, Key MS West Springfield HS, Lee HS

ROSE HILL ES

Cluster	5
Year Opened	1957
Capacity Enhancements	2008
Renovations	1994
Square Footage	88,382
Acreage	11.19
Feeder School	Hayfield MS, Twain MS Hayfield HS, Edison HS

SANDBURG MS

Cluster	4
Year Opened	1963
Capacity Enhancements	1980
Renovations	---
Square Footage	263,940
Acreage	35.24
Feeder School	West Potomac HS

SANGSTER ES

Cluster	6
Year Opened	1988
Capacity Enhancements	1996
Renovations	---
Square Footage	88,552
Acreage	13.90
Feeder School	Lake Braddock MS, Irving MS Lake Braddock HS, West Springfield HS

SARATOGA ES

Cluster	5
Year Opened	1989
Capacity Enhancements	---
Renovations	---
Square Footage	103,570
Acreage	13.99
Feeder School	Key MS Lee HS

SHREVEWOOD ES

Cluster	2
Year Opened	1966
Capacity Enhancements	1998
Renovations	1998
Square Footage	71,610
Acreage	13.42
Feeder School	Kilmer MS Marshall HS

SILVERBROOK ES

Cluster	5
Year Opened	1988
Capacity Enhancements	2001
Renovations	---
Square Footage	82,675
Acreage	13.93
Feeder School	South County MS South County HS

SLEEPY HOLLOW ES

Cluster	3
Year Opened	1954
Capacity Enhancements	1996
Renovations	2009
Square Footage	73,934
Acreage	10.00
Feeder School	Glasgow MS Stuart HS

SOUTH COUNTY HS

Cluster	5
Year Opened	2005
Capacity Enhancements	2007
Renovations	---
Square Footage	378,000
Acreage	69.39

SOUTH COUNTY MS

Cluster	5
Year Opened	2012
Capacity Enhancements	---
Renovations	---
Square Footage	176,900
Acreage	37.00
Feeder School	South County HS

SOUTH LAKES HS

Cluster	8
Year Opened	1978
Capacity Enhancements	---
Renovations	2008
Square Footage	333,750
Acreage	60.00

SPRING HILL ES

Cluster	1
Year Opened	1965
Capacity Enhancements	1988
Renovations	1996
Square Footage	91,252
Acreage	13.00
Feeder School	Cooper MS, Longfellow MS Langley HS, McLean HS

Alphabetical List of Schools (continued)

SPRINGFIELD ESTATES ES

Cluster	5
Year Opened	1958
Capacity Enhancements	1988
Renovations	1989
Square Footage	66,620
Acreage	10.60
Feeder School	Key MS Lee HS

STENWOOD ES

Cluster	2
Year Opened	1963
Capacity Enhancements	1990
Renovations	2012
Square Footage	71,213
Acreage	10.00
Feeder School	Kilmer MS, Thoreau MS Marshall HS

STONE MS

Cluster	8
Year Opened	1991
Capacity Enhancements	---
Renovations	---
Square Footage	157,263
Acreage	24.83
Feeder School	Westfield HS

STRATFORD LANDING ES

Cluster	4
Year Opened	1963
Capacity Enhancements	2005
Renovations	1989
Square Footage	60,035
Acreage	10.00
Feeder School	Sandburg MS West Potomac HS

STUART HS

Cluster	3
Year Opened	1959
Capacity Enhancements	1979
Renovations	2005
Square Footage	300,491
Acreage	20.94

SUNRISE VALLEY ES

Cluster	8
Year Opened	1979
Capacity Enhancements	1980
Renovations	---
Square Footage	60,700
Acreage	14.98
Feeder School	Hughes MS South Lakes HS

TERRA CENTRE ES

Cluster	6
Year Opened	1980
Capacity Enhancements	---
Renovations	---
Square Footage	69,000
Acreage	11.62
Feeder School	Robinson MS Robinson HS

TERRASET ES

Cluster	8
Year Opened	1977
Capacity Enhancements	---
Renovations	---
Square Footage	70,200
Acreage	14.43
Feeder School	Hughes MS South Lakes HS

THOREAU MS

Cluster	2
Year Opened	1960
Capacity Enhancements	1986
Renovations	1986
Square Footage	115,702
Acreage	20.00
Feeder School	Madison HS, Marshall HS

TIMBER LANE ES

Cluster	1
Year Opened	1955
Capacity Enhancements	1988
Renovations	1996
Square Footage	80,591
Acreage	10.14
Feeder School	Longfellow MS, Jackson MS McLean HS, Falls Church HS

TWAIN MS

Cluster	5
Year Opened	1961
Capacity Enhancements	2002
Renovations	1998
Square Footage	156,225
Acreage	23.52
Feeder School	Edison HS

UNION MILL ES

Cluster	7
Year Opened	1986
Capacity Enhancements	1991
Renovations	---
Square Footage	80,087
Acreage	13.00
Feeder School	Liberty MS, Robinson MS Centreville HS, Robinson HS

Alphabetical List of Schools (continued)

VIENNA ES

Cluster	2
Year Opened	1921
Capacity Enhancements	1987
Renovations	2010
Square Footage	---
Acreage	15.19
Feeder School	Thoreau MS, Kilmer MS Madison HS, Marshall HS

VIRGINIA RUN ES

Cluster	8
Year Opened	1989
Capacity Enhancements	---
Renovations	---
Square Footage	90,800
Acreage	20.85
Feeder School	Stone MS Westfield HS

WAKEFIELD FOREST ES

Cluster	3
Year Opened	1955
Capacity Enhancements	1994
Renovations	1994
Square Footage	65,062
Acreage	13.59
Feeder School	Frost MS Woodson HS

WAPLES MILL ES

Cluster	8
Year Opened	1991
Capacity Enhancements	---
Renovations	---
Square Footage	92,470
Acreage	14.10
Feeder School	Franklin MS Oakton HS, Fairfax HS

WASHINGTON MILL ES

Cluster	4
Year Opened	1963
Capacity Enhancements	2004
Renovations	1989
Square Footage	61,581
Acreage	11.53
Feeder School	Whitman MS Mount Vernon HS

WAYNEWOOD ES

Cluster	4
Year Opened	1959
Capacity Enhancements	2008
Renovations	1991
Square Footage	59,101
Acreage	10.16
Feeder School	Sandburg MS West Potomac HS

WEST POTOMAC HS

Cluster	4
Year Opened	1960
Capacity Enhancements	---
Renovations	2001
Square Footage	389,012
Acreage	44.78

WEST SPRINGFIELD ES

Cluster	6
Year Opened	1964
Capacity Enhancements	1993
Renovations	1993
Square Footage	55,885
Acreage	10.03
Feeder School	Irving MS West Springfield HS, Lee HS

WEST SPRINGFIELD HS

Cluster	6
Year Opened	1966
Capacity Enhancements	1990
Renovations	1990
Square Footage	302,795
Acreage	38.62

WESTBRIAR ES

Cluster	2
Year Opened	1965
Capacity Enhancements	1985
Renovations	2000
Square Footage	59,192
Acreage	10.03
Feeder School	Kilmer MS Marshall HS, Madison HS

WESTFIELD HS

Cluster	8
Year Opened	2000
Capacity Enhancements	2006
Renovations	---
Square Footage	422,298
Acreage	76.30

WESTGATE ES

Cluster	2
Year Opened	1968
Capacity Enhancements	1986
Renovations	1987
Square Footage	49,740
Acreage	10.33
Feeder School	Kilmer MS, Longfellow MS Marshall HS, McLean HS

Alphabetical List of Schools (continued)

WESTLAWN ES

Cluster	2
Year Opened	1951
Capacity Enhancements	2005
Renovations	2012
Square Footage	95,743
Acreage	8.71
Feeder School	Jackson MS Falls Church HS

WEYANOKE ES

Cluster	3
Year Opened	1949
Capacity Enhancements	2000
Renovations	1993
Square Footage	80,633
Acreage	10.00
Feeder School	Holmes MS Annandale HS

WHITE OAKS ES

Cluster	6
Year Opened	1980
Capacity Enhancements	2008
Renovations	---
Square Footage	75,784
Acreage	15.73
Feeder School	Lake Braddock MS Lake Braddock HS

WHITMAN MS

Cluster	4
Year Opened	1965
Capacity Enhancements	1996
Renovations	1997
Square Footage	156,872
Acreage	19.99
Feeder School	Mount Vernon HS

WILLOW SPRINGS ES

Cluster	7
Year Opened	1990
Capacity Enhancements	---
Renovations	---
Square Footage	90,014
Acreage	20.68
Feeder School	Lanier MS Fairfax HS

WOLFTRAP ES

Cluster	2
Year Opened	1968
Capacity Enhancements	1988
Renovations	2005
Square Footage	70,670
Acreage	10.26
Feeder School	Kilmer MS Madison HS, Marshall HS

WOODBURN ES

Cluster	2
Year Opened	1952
Capacity Enhancements	1988
Renovations	2009
Square Footage	64,208
Acreage	10.00
Feeder School	Jackson MS Falls Church HS

WOODLAWN ES

Cluster	4
Year Opened	1937
Capacity Enhancements	2001
Renovations	---
Square Footage	66,793
Acreage	10.95
Feeder School	Whitman MS Mount Vernon HS

WOODLEY HILLS ES

Cluster	4
Year Opened	1951
Capacity Enhancements	1979
Renovations	1994
Square Footage	72,851
Acreage	10.15
Feeder School	Whitman MS Mount Vernon HS

WOODSON HS

Cluster	3
Year Opened	1962
Capacity Enhancements	2000
Renovations	2009
Square Footage	379,256
Acreage	56.00

Glossary of Terms

Attendance Adjustments

Grandfathering

This results when School Board policy allows for students in the rising 6th, 8th, and 12th grades to be exempt from a boundary change so they can finish their last year at their currently assigned elementary, middle, or high school. Transportation is provided for these students. The Board has the authority to extend grandfathering beyond the provisions in the policy.

School Board Policy 8130

Provides guidance in the evaluation of proposed boundary changes. *The following examples of these factors are not presented in priority order. Any or all of these factors may be relevant in a particular consolidation, redistricting, or assignment plan:*

- proximity of schools to student residences
- projected school enrollment and capacity
- walking distances
- busing times and costs
- walking and busing safety
- natural and man-made geographic features
- the impact on neighborhoods
- school feeder alignments
- contiguous school attendance areas
- long-range capital plans
- socioeconomic characteristics of school populations
- distribution of programs and resources
- overall impact on families and students; and comparative long-term costs.

Adjustments shall be made without respect to magisterial districts or postal addresses and, whenever possible, shall not affect the same occupied dwellings any more often than once in three years. The consideration of these factors and such adjustments shall involve affected communities to the extent reasonable.

Budget

Capital Budget

This budget provides for school construction projects which include new construction, renovations, capacity enhancements, additions, and infrastructure management. The primary source of funding for capital budget is the sale of bonds authorized by the voters in the bond referendum.

Capital Improvement Program (CIP)

The CIP is a planning document used as a basis to determine the timing and size of proposed bond referenda to be placed before the voters of Fairfax County. The primary source of funding for school construction projects is the sale of bonds authorized by the voters in these referenda.

Operating Budget

This budget provides for the day-to-day operations and maintenance of the schools and is funded primarily by county and state funds.

Capacity

Capacity

The number of students a building can support when restrictions of the program of studies are applied.

Capacity Dashboard

A program that calculates capacity of each school based on the programs that currently are offered at the school and its comparison to the core capacity of the school. It includes information about projected enrollments of the school, number of temporary classrooms, and other facilities information. This program is available on the FCPS website at <http://www.fcps.edu/fts/dashboard/index.shtml>.

Capacity Utilization

Percentage of capacity that is being utilized by a building based on the building's program capacity and the number of enrolled students.

Design Capacity

Capacity based on a specific use as designed for each space in the school.

Fiscal Year (FY)

The period from July 1 to June 30 of the following year (for example: FY 2015 is the period from July 1, 2014, through June 30, 2015).

Overcrowding

A school is considered overcrowded when the enrollment of the school is higher than its capacity.

Program Capacity

Capacity based on an actual use for each space in the school.

Student Yield Ratio

A ratio that is derived by dividing number of students by number of housing units by type in an existing development. This ratio helps in determining student cohort from existing housing types which gives a fair estimate of student yields from future developments. For example a housing development with 20 townhomes and 5 elementary school students will have a student yield ratio of 0.25 students per townhome.

Facilities

Building Life Cycle

Life span of a building in which all components of the construction operate efficiently and meet the requirements of the occupants. Construction components include mechanical, plumbing, and electrical; heating, ventilating, and air conditioning (HVAC); and architectural installations.

Building Utilization

Expressed as a percentage of the total school program capacity that is being utilized, e.g., a school with 80 percent building utilization has some capacity surplus; a school with 125 percent of building utilization has a capacity deficit.

Capacity Enhancements

Permanent construction that adds square footage to a school and is subject to all Fairfax County zoning and building codes and permitting processes.

Educational Specifications

Explicit set of requirements mandated by the Virginia Department of Education and the Fairfax County School Board, which are necessary to create comfortable and healthy learning environments within school buildings.

Modulars

Prefabricated buildings that are constructed off site in a factory and transported to school grounds to provide additional classroom space to accommodate students. They are portable, can be relocated, and typically are ready for use 30-60 percent faster than on-site built construction. Modulars sit on a permanent foundation; have plumbing utilities, interior corridors, and bathroom facilities; and are included in the calculation of school capacity.

Trailers

A temporary building that is installed on the grounds of a school to provide additional classroom space to accommodate students. Trailers also sit on permanent foundations but do not have plumbing utilities and are not included in the calculation of school capacity.

Organization

Clusters

Clusters provide necessary support for schools and the community within the cluster. Each cluster includes three pyramids that consist of high schools and their feeder schools. Alternative schools and centers are aligned geographically within their appropriate cluster.

Feeder Schools

A group of schools that provide a significant number of graduates who intend to continue their studies at specific schools. In primary and secondary education, graduates of several primary schools generally attend the same middle school and graduates of several middle schools generally attend the same high school.

Pyramids

A group of schools that are located geographically close to each other and generally have contiguous attendance areas. Typically a pyramid includes a group of elementary schools, a middle school, and a high school. Typically all elementary schools in the pyramid advance to the middle school and then to the high school in the pyramid.

Split Feeder

Typically, an elementary school feeds students to a middle school, which in turn feeds students to a high school. A split feeder results when an elementary or middle school feeds to more than one middle and high school.

Programs

Adequate Yearly Progress (AYP)

Under the Elementary and Secondary Education Act (ESEA), reauthorized as No Child Left Behind in 2002, each state has developed and implemented measurements for determining whether its schools and local educational agencies (LEAs) are making adequate yearly progress (AYP). AYP is an individual state's measure of progress toward the goal of 100 percent of students achieving to state academic standards in at least reading/ language arts and math. It sets the minimum level of proficiency that the state, its school districts, and schools must achieve each year on annual tests and related academic

indicators. Parents whose children are attending Title I (low-income) schools that do not make AYP over a period of years are given options to transfer their child to another school (**Choice School**) or obtain free tutoring (supplemental educational services).

English Speakers of Other Languages (ESOL)

The ESOL Services develops the English proficiency of students, enhance their academic achievement, and support school staffs as they deliver quality instruction.

Free and Reduced Meals (FRM)

Families who earn less than 130 percent of the poverty level are eligible for free meals, and those with incomes between 130 and 185 percent of poverty level qualify for reduced price meals. Today, approximately 24 percent of the student enrollment qualify for free and reduced price meals.

Title I

Title I is a federal program that serves schools throughout the United States. The Title I program was reauthorized under the *No Child Left Behind Act* of 2001. The purpose of this legislation is "to help the neediest schools and students reach the same challenging standards expected of all children." (Public Law 107-110)

The Title I program provides extra help to students to assist them in meeting state and local education standards. The program serves millions of children in elementary and secondary schools each year. Most school districts participate. Funds are directed to schools with the highest poverty levels.



Facilities and Transportation
Services

Building the Future...Child by Child

Fairfax County Public Schools, Department of Facilities and Transportation Services
Office of Facilities Planning Services • 8115 Gatehouse Road, Falls Church, VA 22042