

Chapter 3

Facility Planning Objectives

MCPS Vision, Mission, and Core Values

The *FY 2020 Educational Facilities Master Plan and Amendments to the FY 2019–2024 Capital Improvements Program (CIP)* is closely aligned with the school system Vision, Mission, and Core Values. The vision states—we inspire learning by providing the greatest public education to each and every student. While the mission states—every student will have the academic, creative problem solving, and social and emotional skills to be successful in college and career. Our work is guided by five core values:

- Learning
- Relationships
- Respect
- Excellence
- Equity

More information regarding the core values is available on the MCPS website at the following link: <http://www.montgomeryschoolsmd.org/about/mission/>

In addition to the strategic planning framework, Board of Education Policy FAA, *Educational Facilities Planning* and MCPS Regulation FAA-RA, *Long-range Educational Facilities Planning and the Capital Improvement Priorities*, listed below, guide the development of the CIP.

Capital Improvement Priorities

1. Compliance Projects
2. Capital Maintenance Projects
3. Capacity Projects
4. Major Capital Projects
5. System Infrastructure Projects
6. Technology Modernization Project

Setting priorities is important in times of fiscal constraints. The CIP includes funding for capital projects in all priority areas and represents a balanced approach to address the many needs of the school system. A brief description of the type of projects that are included in each priority area follows:

- Priority #1—Compliance Projects. This includes funding to address mandates, including *Americans with Disabilities Act (ADA)*, asbestos abatement, fire safety upgrades, storm water discharge, water quality management, and Washington Suburban Sanitary Commission (WSSC) requirements. These projects must be completed in a timely fashion to be in compliance with laws and regulations.
- Priority #2—Capital Maintenance. This includes funding countywide projects that maintain school facilities in good condition so that they are safe, secure, and comfortable learning environments. In addition, capital projects in this area preserve school assets and

can avert more costly repairs or replacements in the future.

- Priority #3—Capacity Projects. This includes funding for new schools and additions so facilities can operate within capacity.
- Priority #4—Major Capital Projects. Funding in this area is important to sustain and upgrade building systems and address programmatic and capacity needs in schools.
- Priority #5—System Infrastructure. Funding in this area provides for facilities important to the operation of schools, including transportation depots, maintenance depots, the warehouse, and the upgrading of food services equipment.
- Priority #6—Technology Modernization. Funding in this area enables computers and technology to be upgraded periodically so that student learning is supported by up-to-date technologies.

Educational Facilities Planning Policy Guidance

On September 24, 2018, the Board of Education adopted revisions to Policy FAA, *Educational Facilities Planning*, Policy FAA that requires the superintendent of schools to include a review of certain guidelines involved in facility planning activities in the CIP recommendations each fall. The four guidelines include: preferred range of enrollment, school capacity calculations, desired facility utilization levels, and school site size. Including the guidelines as part of the superintendent's CIP recommendations allows the community an opportunity to provide testimony to the Board of Education on the guidelines and any proposed changes to the guidelines.

See Appendix S for Policy FAA and Regulation FAA-RA.

Preferred Range of Enrollment

The preferred range of enrollment for schools includes all students attending a school. The preferred ranges of enrollment for schools are:

- 450 to 750 students in elementary schools
- 750 to 1,200 students in middle schools
- 1,600 to 2,400 students in high schools
- Enrollment in special and alternative program centers may differ from the above ranges and generally is lower.

The preferred range of enrollment is considered when planning new schools or when changes are made to existing schools. Departures from the preferred ranges may occur if circumstances warrant.

School Capacity Calculations

Unless otherwise specified by Board action, the program capacity of a facility is determined by the space requirements of the educational programs in the facility and student-to-classroom ratios. These ratios should not be confused with staffing ratios that are determined through the annual operating budget process. Program capacity is based on the current classroom ratios shown below:

Head Start and prekindergarten—2 sessions	40:1
Head Start and prekindergarten—1 session	20:1
Grade K—full-day	22:1
Grade K—reduced class size	18:1
Grades 1–2—reduced class size	18:1
Grades 1–5 Elementary	23:1
Grades 6–8 Middle	25:1 ^a
Grades 9–12 High	25:1 ^b
Special Education, ESOL, Alternative Programs ^c	

^aProgram capacity is adjusted at the middle school level to account for scheduling constraints. The regular classroom capacity of 25 is multiplied by .85 to reflect the optimal utilization of a middle school facility (equivalent to 21.25 students per classroom).

^bProgram capacity is adjusted at the high school level to account for scheduling constraints. The regular classroom capacity of 25 is multiplied by .9 to reflect the optimal utilization of a high school facility (equivalent to 22.5 students per classroom).

^cSpecial Education, ESOL, alternative programs, and other special programs may require classroom ratios different from those listed.

School Facility Utilization

Unless otherwise specified by Board action, elementary, middle, and high schools should operate in an efficient facility utilization range of 80 to 100 percent of program capacity. If a school is projected to be underutilized (less than 80 percent) or overutilized (over 100 percent), a boundary study, non-capital action, or a capital project may be considered. Whether a school meets the preferred range of enrollment also is considered. In the case of overutilization, an effort to judge the long-term need for permanent space is made prior to planning for new construction. Underutilization of facilities also is evaluated in the context of long-term enrollment forecasts.

School Site Size

School Site Size is the minimum acreage desired to accommodate the full instructional program, as follows:

- Elementary schools—a minimum useable site size of 7.5 acres that is capable of fitting the instructional program, including site requirements. The 7.5 acres is based on an ideal leveled site, and the size may vary depending on site shapes and surrounding site constraints.
- Middle schools—a minimum useable site size of 15.5 acres that is capable of fitting the instructional program, including site requirements. The 15.5 acres is based on an ideal leveled site, and the size may vary depending on site shapes and surrounding site constraints.
- High schools—a minimum useable site size of 35 acres that is capable of fitting the instructional program, including site requirements. The 35 acres is based on an ideal leveled site, and the size may vary depending on site shapes and surrounding site constraints.

Facility Planning Objectives

Adequate and up-to-date school facilities form the physical infrastructure needed to pursue MCPS goals and priorities. Long-range facility plans, as reflected in this CIP, provide justification for the programming and construction of construction projects. Facility planning and capital programming activities are closely coordinated with educational program delivery approaches. In addition, an emphasis is placed on the inclusion of stakeholders in facility planning processes. Six objectives guide the facilities planning process and development of each CIP. These objectives are outlined below, with the remainder of this chapter dedicated to providing information on planning for each objective.

OBJECTIVE 1: Implement facility plans that support the continuous improvement of educational programs in the school system

OBJECTIVE 2: Meet long-term and interim space needs

OBJECTIVE 3: Sustain and upgrade facilities

OBJECTIVE 4: Provide schools that are environmentally safe, secure, functionally efficient, and comfortable

OBJECTIVE 5: Support multipurpose use of schools

OBJECTIVE 6: Meet space needs of special education programs

OBJECTIVE 1: Implement Facility Plans that Support the Continuous Improvement of Educational Programs in the School System

As the school system continues to focus program initiatives to improve student performance, facility plans are developed to address the space needs and facility requirements of schools. Implementing school system educational priorities that require more classroom and support space continues to be a challenge, particularly over the past 30 years of steady enrollment growth. With student enrollment increasing rapidly at the secondary schools, the school system will continue to be challenged to provide adequate capacity.

Several educational program initiatives require more classroom and support space. These initiatives include the reduction in class sizes in Grades K–2 for the 65 schools most heavily affected by poverty and English language deficiency (called “focus schools”) and the expansion of full-day kindergarten to all elementary schools in MCPS. Creative uses of existing space in schools, modifications to existing classrooms, and placement of relocatable classrooms are all used to accommodate the additional staff needed to implement these initiatives. At schools with capital improvements in the facility planning or architectural planning phase, additional classrooms are provided to accommodate these initiatives. These initiatives are described in further detail in the following paragraphs.

2019–2020 Class Size Reduction and Title I Schools

<p>Arcola Lucy V. Barnsley</p> <p>*Bel Pre (K–2)</p> <p>Brookhaven</p> <p>Brown Station Burnt Mills Burtonsville Cannon Road Clopper Mill</p> <p>*Cresthaven (3–5)</p> <p>Capt. James E. Daly Dr. Charles R. Drew East Silver Spring Fairland Fields Road Flower Hill Forest Knolls Fox Chapel</p> <p>Gaithersburg Galway</p> <p>Georgian Forest Germantown Glen Haven Glenallan Goshen Great Seneca Creek Greencastle</p> <p>Harmony Hills</p> <p>Highland Highland View</p> <p>Jackson Road</p> <p>Kemp Mill Lake Seneca</p> <p>JoAnn Leleck at Broad Acres Maryvale</p>	<p>S. Christa McAuliffe Meadow Hall Mill Creek Towne</p> <p>*Montgomery Knolls (K–2)</p> <p>*New Hampshire Estates (K–2)</p> <p>*Roscoe Nix (K–2)</p> <p>*Oak View (3–5) Oakland Terrace William T. Page</p> <p>*Pine Crest (3–5)</p> <p>*Piney Branch (3–5) Judith A. Resnik Sally K. Ride Rock Creek Forest Rock View</p> <p>Rolling Terrace Rosemont Sequoyah</p> <p>Sargent Shriver Flora M. Singer</p> <p>South Lake Stedwick</p> <p>*Strathmore (3–5) Strawberry Knoll</p> <p>Summit Hall</p> <p>*Takoma Park (K–2)</p> <p>Twinbrook Viers Mill</p> <p>Washington Grove Waters Landing</p> <p>Watkins Mill</p> <p>Weller Road</p> <p>Wheaton Woods Whetstone</p>
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All schools in this table are receiving additional staff to reduce class sizes in Grades K–2 except for the Grades 3–5 schools.

*These schools are paired, either Grades K–2 or Grades 3–5.

Schools in bold are also Title I schools in the 2019–2020 school year.

need for additional classrooms to accommodate the increased number of teaching positions. Beginning in FY 2012, the staffing guidelines for the focus schools increased to an average of 18 students per teacher in Grades K–2. Beginning in FY 2015, Fields Road Elementary School became a focus school and received staffing to reduce class sizes in Grades K–2. Beginning in FY 2015, Great Seneca Creek Elementary School became a focus school and received staffing to reduce class sizes in Grades K–2. Beginning in FY 2018, Germantown Elementary School became a focus school and received staffing to reduce class sizes in Grades K–2. Some schools also receive staffing to reduce class sizes in the upper grades. These schools are listed in the Class-size reduction table.

Head Start and Prekindergarten Programs

The *Bridge to Excellence in Public Schools Act of 2002* requires that all eligible children “shall be admitted free of charge to publicly funded prekindergarten programs” established by the Board of Education. These programs are located yearly, based on need in the community and transportation travel times. The Montgomery County Council added additional funding to the FY 2018 budget to support the expansion of 10 MCPS Head Start classrooms to full school-day programs. With the additional funding from the County Council, 27 of the 34 Head Start classes became full-day programs. The locations are shown in Appendix L.

Signature and Academy Programs

Many high schools have developed and implemented signature and/or academy programs that integrate a specific focus or distinguishing theme with skills, concepts, and instructional strategies into some portion of a school’s curriculum. Some of these programs are school-wide programs, while others are structured as a special program offering at the school. The theme or focus becomes the vehicle for teaching the traditional high school curriculum in a fresh, interesting, and challenging way. Some schools also have created themed academies to engage students through a small learning community approach, and to raise student engagement and achievement by matching programs with student interests. Some of these programs require specialized classrooms or laboratories to support the delivery of the educational program. High schools may require facility modifications to accommodate signature or academy programs either through a major capital project or through countywide capital projects.

Information Technologies

MCPS has a strong commitment to prepare today’s students for life in the 21st century and to ensure a technologically literate citizenry and an internationally competitive work force. Board of Education Policy IS, *Educational Technology*, strives to ensure that educational technology is appropriately and equitably integrated into instruction and management to increase student learning, enhance the teaching process, and improve the operation of the school system.

The Technology Modernization Project provides the needed technology updates and computers in every school. Funds

Class Size Reductions

In the 2000–2001 school year, the Board of Education began a three-year initiative to reduce class sizes in the primary grades as a key component of the Early Success Performance Plan. Over a three-year period, class size in Grades K–2 in the focus schools most heavily impacted by poverty and language deficiency were reduced for the full instructional day to an average of 17 students per teacher in Grades 1–2 and 15 students per teacher in full-day kindergarten. (See chart on page 3-3.) Reducing class sizes in Grades K–2 had a dramatic impact on utilization levels in elementary schools, creating the

included in this project update schools' technology hardware, software, and network infrastructure. Up-to-date technology enhances student learning through access to online information and the latest instructional software. MCPS plans a multiyear effort to provide all students with access to mobile computers and a cloud-based learning platform that enhances creativity and collaboration in the classroom. These technologies also are critical for implementing online testing.

OBJECTIVE 2: Meet Long-term and Interim Space Needs

Montgomery County has demonstrated a strong commitment to providing sufficient school facilities. Funding capital improvements has been a challenge since 1983 when enrollment began to rise sharply. MCPS enrollment is now 71,650 students greater than it was in 1983, and 34 elementary schools, 19 middle schools, and 6 high schools have been constructed. Numerous additions to existing schools also have been constructed to accommodate the growth in enrollment. This year, MCPS is operating a total of 206 school facilities, including: 134 elementary schools, 40 middle schools, and 25 high schools; 1 career and technology high school; 5 special education schools; 1 alternative education center with two satellite centers.

Long-term Space Needs

A continued commitment to capital projects for the next six years is necessary to address overdue space needs and keep up with rising enrollment. This year's official school enrollment is 163,277 students. Enrollment is projected to be 174,322 students by 2024. The CIP identifies where space shortages are projected to occur and how the school system plans to address them. Due to the high level of school utilization throughout the school system, there are few opportunities to address school space shortages through boundary changes among existing schools. Therefore, additions to existing schools, the opening of new schools, and other major capital projects at schools are all important strategies to address space needs. For a summary of approved capital projects, please see the table in Chapter 1, labeled "County Council Approved Recommended FY 2020 Capital Budget and Amendments to the FY 2019–2024 Capital Improvements Program Summary Table" (page 1–XX).

To develop long-term space plans for schools, school planners annually review the space available at schools by comparing the enrollment projections with program capacity in the sixth year of the CIP planning period. When the enrollment exceeds the program capacity of a school, planners may consider several strategies to address the overutilization of a school. These strategies include:

- Determine if space is available at adjacent or nearby schools and reassign students to a school(s) with space available;

- Consider an addition at the school to accommodate the enrollment if possible. If the school cannot be expanded to accommodate the projected enrollment, additions could be considered at nearby schools and students reassigned to these schools. For a classroom addition to be considered for funding at an individual school, the following thresholds need to be met:
 - Elementary school—the enrollment needs to exceed capacity by four classrooms or more (a minimum of 92 seats) in the sixth year of the CIP period
 - Middle school—enrollment needs to exceed capacity by six classrooms or more (a minimum of 150 seats) in the sixth year of the CIP period
 - High school—enrollment needs to exceed capacity by eight classrooms or more (a minimum of 200 seats) in the sixth year of the CIP period
- Consider the opening of a new school if reassignments and increasing capacity of existing schools is not sufficient to address the projected enrollment. Expanding schools to their maximum core capacity is considered before the opening of a new school. A new elementary school may be considered if the cluster wide deficit of space exceeds 500–600 seats. A new middle school may be considered if deficits of space exceed 800 seats or in one or more clusters. For a new high school, the deficit would need to exceed approximately 1600 seats in one or more clusters.

School planners also review the impact of school utilization on the county Subdivision Staging Policy. When possible, school facility plans attempt to keep clusters from being placed in a housing moratorium.

To address growing enrollment in the county, the *FY 2020 Capital Budget and Amendments to the FY 2019–2024 CIP* includes funds for five new schools that are listed below:

- Snowden Farm Elementary School (opens September 2019)
- Clarksburg Elementary School #9 (opens September 2022)
- Gaithersburg Elementary School #8 (opens September 2022)
- Reopening of Woodward High School (opens September 2025)
- Crown Farm High School (opening to be determined)

In addition to new school openings, classroom addition projects are planned to address overutilization at schools. Planning and/or construction funds are planned for 27 addition projects as part of the Amended FY 2019–2024 CIP. All capital projects are listed on the following table, along with the number of rooms in the projects, and the completion dates. Prior to requesting funding for a project, facility planning funds are requested to conduct a feasibility study to determine the feasibility, scope, and cost for the project.

Number of Additional Rooms Planned—Capital Projects

School	Number of Rooms Planned*	Completion Date
Ashburton ES Addition	4	9/19
Snowden Farm Elementary School	37	9/19
S. Christa McAuliffe ES Addition	10	9/19
Thomas W. Pyle MS Addition	14	9/20
Montgomery Knolls ES Addition	4	9/20
Pine Crest ES Addition	9	9/20
Takoma Park MS Addition	16	9/21
Walt Whitman HS Addition	27	9/21
Col. E. Brooke Lee MS Addition/ Facility Upgrade	21	9/21
Piney Branch ES Addition	5	9/21
Clarksburg Elementary School #9	37	9/22
Cresthaven ES Addition	11	9/22
DuFief ES Addition/Facility Upgrades	14	9/22
Gaithersburg Elementary School #8	39	9/22
John F. Kennedy HS Addition	18	9/22
Roscoe Nix ES Addition	11	9/22
Silver Spring International MS Addition	15	9/22
Woodlin ES Addition/Facility Upgrade	8	9/22
Ronald McNair ES Addition	6	9/23
Parkland MS Addition	12	9/23
Northwood HS Addition	49	9/25
Woodward HS Reopening	118	9/25
Crown Farm High School	112	TBD
Highland View ES Addition	10	TBD
Lake Seneca ES Addition	12	TBD
Thurgood Marshall ES Addition	6	TBD

*The number of rooms includes classrooms that are being added with new construction. These rooms include teaching stations that are counted in capacity as well as teaching stations in the elementary schools that are not counted in the capacity (art, music, and the dual purpose room), June 2019.

An FY 2019 appropriation for facility planning was approved as part of the FY 2019–2024 CIP to conduct a capacity study for the Bethesda-Chevy Chase and Walter Johnson clusters elementary schools.

An FY 2020 appropriation is recommended as part of the Amended FY 2019–2020 CIP to conduct feasibility studies for possible additions at the following schools:

- Cloverly Elementary School
- John T. Baker Middle School
- Francis Scott Key Middle School
- Oak View Elementary School
- William T. Page Elementary School

In addition, a capacity study is recommended for the elementary schools in the Watkins Mill cluster to evaluate the space deficits in the cluster, and as well as look to adjacent clusters to address the overutilization issues in the cluster.

Many schools that were scheduled for revitalization/expansion projects also include increases in capacity as part of the project to address space deficits. The table below lists the schools to be completed in the six-year CIP period and the number of rooms being added as part of the projects.

Number of Additional Rooms Planned—Revitalization/Expansion Projects

School	Number of Rooms Planned*	Completion Date
Seneca Valley HS	56	9/20
Luxmanor ES	10	1/20
Maryvale ES	3	1/20
Potomac ES	1	1/20
Tilden MS	11	9/20

*The number of rooms includes classrooms that are being added with new construction. These rooms include teaching stations that are counted in capacity as well as teaching stations in the elementary schools that are not counted in the capacity (art, music, and the dual purpose room), June 2019.

Interim Space Needs

The use of relocatable classrooms on a short-term basis has proven to be successful in providing schools the space necessary to deliver educational programs. Relocatable classrooms provide an interim learning environment for students until permanent capacity can be constructed. Relocatable classrooms also enable the school system to avoid significant capital investment where building needs are only short term. The number of relocatable classrooms in use grew dramatically as program initiatives described under Objective 1 were implemented and enrollment increased. The number of relocatable classrooms declined between 2005 and 2008 as enrollment plateaued and capacity projects opened. However, with enrollment increasing again, the number of relocatable classrooms is expected to increase in the future. In the 2018–2019 school year, over 9,500 students attend class in 414 relocatable classrooms. This number does not include relocatable classrooms used for daycare, to stage construction on site at schools, or relocatables located at holding facilities and other facilities throughout the school system.

With the implementation of wireless technology and mobile devices at all schools, the need for computer laboratories has decreased. At some schools with space needs, the school system converted some computer laboratories to standard classrooms to deliver the educational programs beginning in the 2013–2014 school year.

Non-Capital Actions

MCPS staff conducted a boundary study in spring 2018 for Snowden Farms Elementary School to create the service area for this new school. The scope of the study included Cedar Grove and Wilson Wims elementary schools. The Board of

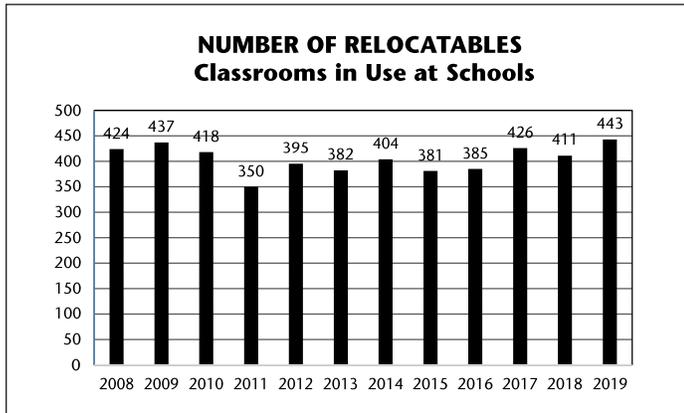
Education adopted the boundaries for this school on November 27, 2018. The Board resolution is available on the MCPS website at the following link: http://gis.mcpsmd.org/boundarystudypdfs/ClarksburgVillage2_BOEAdoptedBoundaries.pdf

MCPS staff conducted a boundary study in spring 2019 to explore the reassignment of Clarksburg, Northwest, and Seneca Valley high school students. As part of the boundary study, all of the middle schools in these three high schools clusters were included to review the middle school articulation patterns. The superintendent of schools will release his recommendation in October 2019 with Board of Education action scheduled for November 26, 2019. Information regarding this boundary study is available at the following link: <https://www.montgomeryschoolsmd.org/departments/planning/UpcountyHSBoundaryStudy.aspx>

MCPS conducted a boundary study in spring 2019 for Forest Knolls, Montgomery Knolls, and Pine Crest elementary schools to relieve the overutilization at Forest Knolls Elementary School. The scope of the boundary school also Eastern and Silver Spring International middle schools to review the middle school articulation patterns for these schools. The superintendent of schools will release his recommendation in October 2019 with Board of Education action scheduled for November 26, 2019. Information regarding this boundary study is available at the following link: <https://www.montgomeryschoolsmd.org/departments/planning/DownCountyESBoundaryStudy.aspx>

OBJECTIVE 3: Sustain and Upgrade Facilities

The Board of Education, superintendent of schools, and school community recognize the necessity to maintain schools in good condition through a range of activities that includes routine daily maintenance to the systematic replacement of building systems. A number of capital projects provide funds for systematic life-cycle asset replacement, including the Roof Replacement Program, the Heating, Ventilation, and Air Conditioning (HVAC) Program, and the Planned Life Cycle Asset Replacement (PLAR) Program. Because schools built or modernized since 1985 are generally of higher construction quality than schools built prior to 1985, it is possible to extend the useful life through a high level of maintenance and replacement of building systems. In the coming years, more



funds will be directed to major capital projects that sustain and upgrade facilities in good condition for longer periods than has been feasible in the past.

The Board of Education, superintendent of schools, and school community also recognize that even well-maintained facilities eventually reach the end of their useful life span and require upgrade to the infrastructure building systems and the need to address programmatic needs. Moving forward, the school system has developed a new system to assess all schools utilizing the Key Facilities Indicators (KFI) to identify schools for a possible major capital project. Once a school is identified for a major capital project, the scope for the project will be identified based on the individual building system and programmatic and capacity needs for each school. The following schools have been identified for a major capital project and the project scopes will be determined during the 2018–2019 school year:

- Burnt Mills Elementary School
- Stonegate Elementary School
- South Lake Elementary School
- Neelsville Middle School
- Damascus High School
- Col. Zadok Magruder High School
- Poolesville High School
- Thomas S. Wootton High School

An FY 2020 appropriation is approved to begin the planning for these projects. Completion dates will be determined in a future CIP.

In addition to these schools, the scope of the Woodlin Elementary School addition projection is expanded to upgrade the building system infrastructure and programmatic needs of the school.

OBJECTIVE 4: Provide Schools that Are Environmentally Safe, Secure, Functionally Efficient, and Comfortable

To maintain and extend the useful life of school facilities, MCPS follows a continuum of activities that begins the first day a new school is opened. Funding for maintenance activities is found in both the capital and operating budgets. The trend for the past five years has been to provide a level of funding effort in both budgets for building maintenance and systemic renovations.

MCPS has many projects designed to meet the capital maintenance needs of schools across the county. These countywide projects are described in Chapter 5. Countywide projects address environmental issues, safety and security, and major building system maintenance in schools. These projects require an assessment of each school relative to the needs of other schools and include scheduled major repairs and replacement activities. The assessment process for most of the countywide projects is carried out through an annual review that involves

a team of maintenance professionals, school principals, and consultants. On some projects, local, state, and federal mandates affect the scope and cost of the effort required.

MCPS is committed to sustainability and conservation of resources in the design and operation of all facilities. Several programs exist to support these activities. The School Energy and Recycling Team (SERT) Program promotes efficient and responsible energy use and active recycling in all schools. The SERT Program strives to significantly reduce energy consumption and to increase recycling systemwide by providing training and education; incentives, recognition, and award programs for conservation; accessible energy and recycling data; individual school programs for energy and environmental investigation-based learning opportunities; and conservation operations and procedures. SERT staff works with students, teachers, staff, and the community to practice environmental stewardship and to develop strategies to reduce the carbon footprint of MCPS.

MCPS has implemented measures to reduce the environmental impact of its buildings through a comprehensive revision of its construction design guidelines. This revision incorporates best practices from the widely recognized Leadership in Energy and Environmental Design (LEED) rating system of the United States Green Building Council. Great Seneca Creek Elementary School, which opened in September 2006, was the first public school in Maryland to be “gold” certified under the LEED rating system for green buildings. Beginning in FY 2007, all new schools are designed to achieve a LEED for Schools “silver” certification. Smaller green technology and conservation pilots have been introduced at several schools to provide a healthy and effective learning environment for students and staff.

OBJECTIVE 5: Support Multipurpose Use of Schools

MCPS recognizes the role schools play as centers of community activity and affiliation. The school system supports multipurpose use of its schools, especially in regard to uses that complement the educational program. Multipurpose uses of schools that promote family and community partnerships also are of great importance. Compatible uses of schools are factored into the facility planning process whenever possible. A prime example of compatible uses in schools is the leasing of available space in elementary schools to childcare providers. Most of the elementary schools in the system provide space for childcare providers through a mixture of full-day centers and before and after school services.

The Montgomery County Department of Health and Human Services (DHHS) Capital Budget includes several projects to provide services in county schools. In the Child Care in Schools Project, DHHS funds the construction of childcare classrooms in schools undergoing major construction or renovation. MCPS oversees the construction of the childcare classroom while DHHS arranges for the lease of the childcare

classroom to a private childcare provider. Funds were included in the DHHS CIP to construct childcare classrooms at Brown Station and Wheaton Woods elementary schools that opened in September 2017.

Linkages to Learning, a collaborative program between the school system, DHHS, and private community providers, addresses the complex social and mental health needs of an increasingly diverse and economically impacted population in Montgomery County. In order to address possible barriers to learning, a variety of mental health, social, and educational support services are brought together at Linkages to Learning sites. In addition, services are provided at the School Health Services Center at Rocking Horse Road. The long-range plan is to expand the Linkages to Learning programs to additional schools. A Linkages to Learning suite opened at Wheaton Woods Elementary School in September 2017. Funding is included in the DHHS CIP for the following Linkages to Learning projects:

Linkages to Learning Projects	Completion Date
Maryvale ES	January 2020
Col. E. Brooke Lee MS	September 2021
Crethaven ES/Roscoe Nix ES	September 2022
Gaithersburg ES #8	September 2022
Silver Spring International MS	September 2022

Since fall 1997, Linkages to Learning/School-based Health Centers (SBHC) have been providing enhanced health resources to students and their families. In response to the County Council Health and Human Services Committee request for a plan to expand SBHCs to additional school sites, the School-based Health Centers Interagency Planning Group was convened by DHHS. The planning group was an interagency group that developed selection criteria to rank schools and a timeline for constructing new SBHCs at school sites. Based on the work of the workgroup, several school were identified to receive a SBHC. The following table shows the schools that have SBHCs along with the opening date:

SBHC Schools	Opening Date
JoAnn Leleck at Broad Acres ES	1997
Harmony Hills ES	1997
Gaithersburg ES	2005
Summit Hall ES	2008
New Hampshire Estates ES	2009
Rolling Terrace ES	2011
Highland ES	2012
Viers Mill ES	2013
Weller Road ES	2013

In spring 2006, the School-based Wellness Center Planning Group was convened. The planning group was charged with describing the services that would be offered at wellness centers at high schools and to identify criteria and a decision-making

process for prioritizing schools sites for wellness centers. As a result of the work of the planning group, School-based Wellness Centers (SBWC) have opened at several high schools. The table below shows the schools that have SBWC and the opening date:

SBWC Schools	Opening Date
Northwood HS	2007
Gaithersburg HS	2013
Watkins Mill HS	2013
Wheaton HS	2016
Seneca Valley HS	2020
John F. Kennedy HS	2022

Kingsview Middle School in Germantown adjoins a county-operated community center. The community center is a 23,000 square foot building that contains a gymnasium, social hall, arts room, game room, and exercise room, as well as administrative offices, common areas, and conference spaces. The center is structurally integrated with the middle school building but has a separate and distinct main entry. An outdoor pool and bathhouse also are located on the site as a separate facility, consisting of the following: 50-meter lap pool, leisure pool, wading pool for toddlers, and common lounging areas. Other opportunities to collocate schools with compatible uses will be pursued in the future as land for new schools sites becomes more limited.

Community use of school facilities is another important way in which schools serve their communities. Outside of the instructional day, schools are used for a wide range of community activities. The Interagency Coordinating Board (ICB) for Community Use of Public Facilities (CUPF) manages school use, collects fees for most community uses of schools, and maintains an Enterprise Fund to pay for the cost of utilizing schools after school hours. Among the largest users of schools are childcare providers, county recreation groups, sports groups, and religious groups.

OBJECTIVE 6: Meet Special Education Program Space Needs

The Maryland State Department of Education established a target for local school systems to address the need for special education students to receive access to services in the general education environment. The FY 2019 proposed target requires 70.4 percent of students with disabilities to receive special education and related services in a general education setting. As a result of this mandate, the Department of Special Education Services (DSES), in collaboration with the Department of Facilities Management (DFM) and the Office of School Support and Improvement (OSSI), plan and coordinate the identification of program sites and locations to address the diverse needs of students with disabilities. This process is designed to ensure the delivery of special education services with an emphasis

on providing services to the maximum extent appropriate in the school the student would attend if nondisabled.

MCPS chooses locations for special education programs by focusing on the delivery of services in the student's home school or in the school as close as possible to the student's home. The location of programs enables students with disabilities to receive special education services within the school, cluster, quad-cluster, or region of the county where the student resides.

The percentage of students who receive services in their home school, cluster, or quad-cluster has increased each year since 1998. The following model guides facility planning:

- Special education resource services are offered in all schools for Grades K–12. 119 elementary schools will be designated as Home School Model Schools for the 2018–2019 school year. (See Appendix P for a description of the Home School Model program.)
- Learning and Academic Disabilities (LAD) Services and transition services are provided in all secondary schools.
- Special education services are available in quad clusters or regionally for students who are recommended for the following services:
 - Augmentative and Alternative Communication Services
 - Autism Spectrum Disorders Services
 - Autism Resource Services
 - Aspergers Services
 - Bridge Services
 - Elementary Physical Disabilities Services
 - Elementary Learning Center
 - Extensions (upcounty and downcounty)
 - Gifted and Talented/Learning Disabled Program (secondary school level)
 - Infants and Toddlers Program
 - Learning for Independence (LFI) Program
 - Preschool Education Program (PEP)
 - Prekindergarten Language Classes
 - School/Community-based (SCB) Program
 - Social Emotional Support Services
 - Longview and Stephen Knolls
- Special education services are countywide for students in need of the following programs:
 - Carl Sandburg Learning Center
 - Deaf and Hard-of-Hearing Services
 - Gifted and Talented/Learning Disabled Program (elementary school level)
 - Preschool Vision Class
 - John L. Gildner Regional Institute for Children and Adolescents (RICA)
 - Rock Terrace School

Birth through 5 Years of Age Special Education Growth

The Montgomery County Infants and Toddlers Program provides services to children with developmental delays from birth to three years of age or until the start of the school year after turning four under the Extended Individualized Family Service Plan, in natural environments, such as home, child-care, or other community settings. Growth in the Infants and Toddlers Program has resulted in the location of five centers throughout the county.

MCPS provides a continuum of special education services for children ages three through five. Preschool Education Program (PEP) services range from consultative and itinerant services for children in community-based child care settings and preschools to itinerant instruction at home for medically fragile children. Classroom environments are provided for children who need a comprehensive approach to their learning needs.

Providing prekindergarten special education services in the least restrictive environment (LRE) is a challenge because of the limited number of general education prekindergarten classrooms and services available in MCPS. DSES and the Division of Early Childhood Programs and Services (DECPS) collaborate to collocate general and special education preschool classes to provide additional LRE opportunities to prekindergarten students. MCPS also is focused on increasing the number of locations where nondisabled community peers are invited to learn alongside students with disabilities in a prekindergarten classroom.

