



Version 1.0 ANNUAL SCHOOL TEST GUIDELINES

Montgomery Planning
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION

Contents

About the AST and the AST Guidelines	2
Geographic Units	3
School Service Areas	4
School Impact Areas	7
Annual School Test Procedures	8
AST Data Source	9
AST Evaluation year	11
AST Modifications	12
AST Adequacy Metrics	16
Adequacy Status and Standards	17
Utilization Premium Payment (UPP)	18
Adequacy Ceilings	19
Student Generation Rates	20
SGR Definition	21
SGR Data Sources	22
SGR Methodology	23
SGR Calculation & Application	24
Development Review	26
Enrollment Impact	27
UPP Factor Calculation	28
Amendment	29



About the AST and the AST Guidelines

> Annual School Test

Each year, no later than July 1, the Planning Board is to review and certify the results of an Annual School Test to evaluate the adequacy of public school facilities in Montgomery County. The findings from the test are used to establish the adequacy status of each school service area for the purpose of prospective development application reviews and dictate applicable payment standards accordingly.

> Annual School Test Guidelines

The newly adopted Growth & Infrastructure Policy requires the Planning Board to also approve a set of guidelines that explain the methodologies and procedures used by Planning Staff to conduct the Annual School Test and relevant measures.



Geographic Units

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School Service Areas

- The Annual School Test evaluates each public school facility in Montgomery County that serves students residing in a specific area.
- The MCPS Board of Education is responsible for establishing school boundaries.
- There are currently 25 High School Service Areas.

➤ High School Service Areas (School Year 2020-2021)





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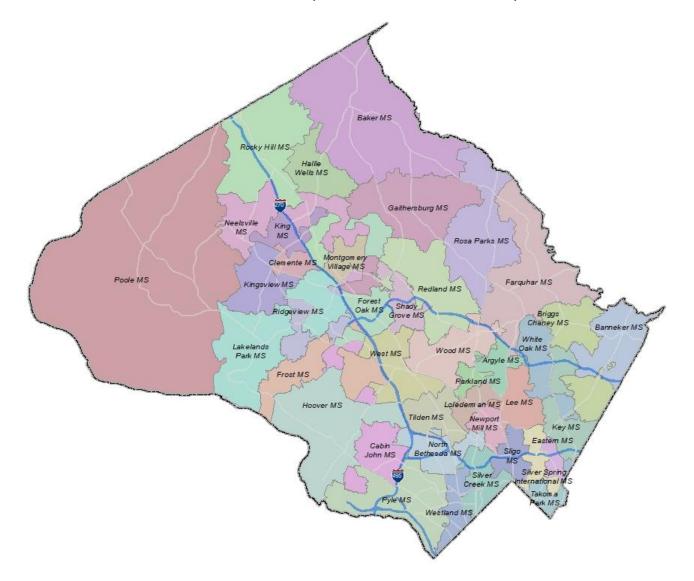
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School Service Areas

- The Annual School Test evaluates each public school facility in Montgomery County that serves students residing in a specific area.
- The MCPS Board of Education is responsible for establishing school boundaries.
- There are currently 40 Middle School Service Areas

➤ Middle School Service Areas (School Year 2020-2021)





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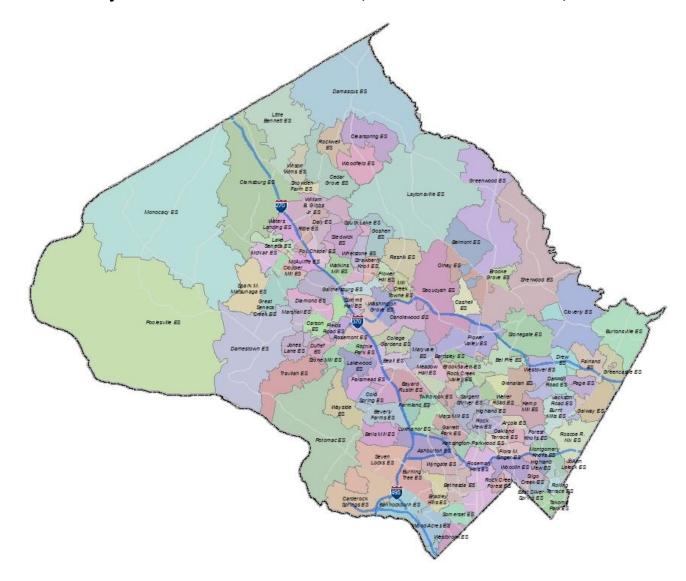
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School Service Areas

- The Annual School Test evaluates each public school facility in Montgomery County that serves students residing in a specific area.
- The MCPS Board of Education is responsible for establishing school boundaries.
- There are currently 129 Elementary School Service Areas.
 - The following paired schools (where students attend grades K-2 at one location and grades 3-5 at another) are considered as one homogenous service area for the purpose of the Annual School Test.
 - Bel Pre ES/Strathmore ES
 - Montgomery Knolls ES/Pine Crest ES
 - New Hampshire Estates ES/Oak View ES
 - Roscoe R. Nix ES/Cresthaven ES
 - Takoma Park ES/Piney Branch ES
 - Rosemary Hills ES/Chevy Chase ES
 - Rosemary Hills ES/North Chevy Chase ES

➤ Elementary School Service Areas (School Year 2020-2021)





School Impact Areas

During the 2020 Growth & Infrastructure Policy (GIP) update, the county was classified into the following School Impact Areas based on their housing (amount and type of new housing) and enrollment growth context.

> Greenfield Impact Area

High housing growth in single-family units with high impact on enrollment growth (no area of the county was found to be in this category for the 2020-2024 GIP)

> Turnover Impact Area

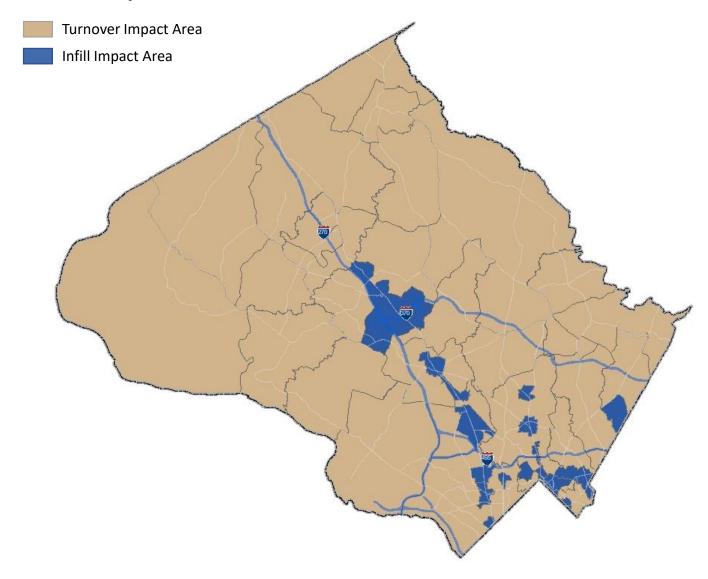
Low housing growth; enrollment growth largely due to turnover of existing single-family units

➤ Infill Impact Area

High housing growth in multifamily units with low impact on enrollment growth on a per unit basis

The latest housing and enrollment growth contexts will be analyzed at every quadrennial update to the GIP, and School Impact Area classifications may be revised accordingly.

➤ School Impact Areas (2020-2024 Growth & Infrastructure Policy)





Annual School Test Procedures

AST Data Source

- The original data used to conduct the Annual School Test is published in the 'MCPS Educational Facilities Master Plan and Capital Improvements Program' (Master Plan CIP).
 - Provides enrollment and capacity projection data and relevant information, including approved capital projects and/or Board of Education decisions regarding capacity solutions.
 - Projection Tables (Chapter 4)
 - Capital Project Description Forms (Chapter 6)
 - The publication is released every spring by the MCPS Division of Capital Planning.
- The Montgomery County Planning Department does not produce its own enrollment or capacity projections.

→ Projection Tables

- Typically found in Chapter 4 of the Master Plan CIP.
- Provides the original MCPS enrollment and capacity projections that are used for the Annual School Test.
- Projections for individual schools do not reflect the enrollment relief provided by an approved capacity solution for an overutilized school if the solution is provided at a different school in a future year. Montgomery Planning modifies the projections for such schools to estimate the future reassignment of students for the purpose of the Annual School Test. (See more on this in the AST Modifications section of the Guidelines.)

		of the Adopted	Actual					ections	,		
Schools			19-20	20-21	21-22	22-23	23-24	24-25	25-26	2029	203
Warkins Mill HS		Program Capacity Enrollment Available Space Comments	1947 1590 357	1947 1625 322	1947 1658 289	1947 1685 262	1947 1693 254	1947 1702 245	1947 1716 231	1947 1791 7.56	1913
Montgomery Wlage MS	T	Program Capacity Enrollment Available Space Comments	865 790 75	865 827 38	865 866 (7)	865 848 77	865 849 76	865 840 25	865 856 9	865 845 20	865 853 72
Nedsvile MS		Program Capacity Unrollment Available Space Comments	956 945 77 Hannings	056 850 706 or Major Project	956 757 799	956 858 98	958 897 59	1190 983 207 Maj. Cap. Project	1190 1030 760	1190 991 199	1196 981 209
South Lake ES	CSR	Program Capacity Enroffment Available Space Comments	694 893 (199) Manning	694 902 (208)	694 934 (240)	694 918 (224)	674 909 (215)	763 874 (777) Maj. Cap. Project	763 839 (76)		
Stednick ES	CSR	Program Capacity Enrollment Available Space Comments	688 537 151 Capacity Study	688 532 156	688 516 172	688 512 176	688 523 165	688 523 765	688 521 167		
Warkins Mill ES	CSR	Program Capacity Incollment Available Space Comments	641 731 (90) Capacity	641 756 (115)	641 762 (121)	641 774 (133)	641 771 (730)	641 779 (129)	641 750 (709)		
Whetstone ES	CSR	Program Capacity Enrollment Available Space Comments	750 742 8 Capacity	750 741 9	750 727 23	750 724 26	750 723 27	750 732 18	750 731 19		
Cluster Information		HS Utilization HS Envolment MS Utilization MS Enrollment IS Utilization ES Enrollment	82% 1590 93% 1735 103% 2903	83% 1625 92% 1677 106% 2931	85% 1658 89% 1623 106% 2939	87% 1685 94% 1706 106% 2928	87% 1693 96% 1746 106% 2926	87% 1702 89% 1823 102% 2899	88% 1716 92% 1886 100% 2841	92% 1/91 89% 1836 98% 2/80	98% 191. 89% 183- 96% 273-

❖ Paired Schools: The Annual School Test treats the service area of paired schools as one homogenous area. The projections of each segment are therefore summed together as well. In the case of Rosemary Hills ES, which is paired with both Chevy Chase ES and North Chevy Chase ES, the projections are counted as a whole in each pair, as shown in the table below.

		4-yr Pro	jections		
Schools	MCPS Ma	aster Plan	Annual S	chool Test	Notes
	Capacity	Enrollment	Capacity	Enrollment	
Rosemary Hills/Chevy Chase ES	-	-	1101	973	
Rosemary Hills ES	628	562	-	-	Grades K-2 (paired with CC & NCC ES)
Chevy Chase ES	473	411	-	-	Grades 3-5 (paired with Rosemary Hills ES)
Rosemary Hills/North Chevy Chase ES	-	-	986	797	
Rosemary Hills ES	628	562	-	-	Grades K-2 (paired with CC & NCC ES)
North Chevy Chase ES	358	235	-	-	Grades 3-5 (paired with Rosemary Hills ES)

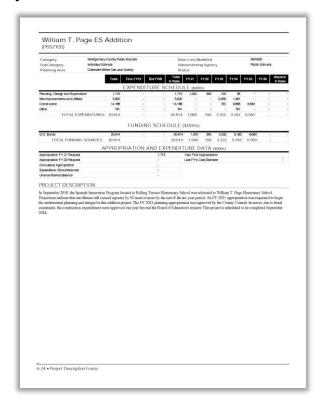


AST Data Source

- The original data used to conduct the Annual School Test is published in the 'MCPS Educational Facilities Master Plan and Capital Improvements Program' (Master Plan CIP).
 - Provides enrollment and capacity projection data and relevant information, including approved capital projects and/or Board of Education decisions regarding capacity solutions.
 - Projection Tables (Chapter 4)
 - Capital Project Description Forms (Chapter 6)
 - The publication is released every spring by MCPS's Division of Capital Planning.
- The Planning Department does not produce its own enrollment or capacity projections.

> Capital Project Description Forms (PDFs)

- Typically found in Chapter 6 of the Master Plan CIP.
- Is the official, county-authorized budget form for capital projects.
- Includes a description and justification for capacity solutions.
- The description and justification language provides information for making modifications to enrollment or capacity projections for the Annual School Test.



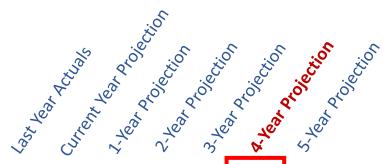


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AST Evaluation Year

➤ Projections

- The Annual School Test evaluates the adequacy of the county's school facilities 4 years in the future.
- This is in consideration of the time it generally takes for a residential development application to result in units that can be occupied by a student.
- Due to the timing of the Planning Board's Annual School Test (which is conducted toward the end of each school year), the first set of MCPS projections are considered a current year projection. The school year to be evaluated as 4-year projections is counted accordingly, as illustrated on the right.



		Actual			Proj <mark>ections</mark>					
Schools		19-20	20-21	21-22	22-23	23–24	24–25	25–26	2029	2034
Bethesda-Chevy Chase HS	Program Capacity	2457	2457	2457	2457	2457	2457	2457	2457	2457
	Enrollment	2257	2337	2448	2510	2518	2544	2541	2535	2523
	Available Space	200	120	9	(53)	(61)	(87)	(84)	(78)	(66)
	Comments									



While Montgomery Planning does not produce its own projections, the original data from MCPS is modified in limited circumstances to better account for approved capacity solutions or decisions that are not fully incorporated into the individual school projections made by MCPS.

➤ Enrollment Projection Modifications

When?

When a solution for an overutilized school involves capacity at another location, it is typically not reflected in the MCPS enrollment projections until the Board of Education has made a decision on resulting boundary adjustments. If such a solution is approved to be completed within the timeframe of the Annual School Test, Planning staff calculates the relief that could be provided by the solution and factors it into a modified enrollment projection for each school involved accordingly. The cases in which this data modification may apply include:

- Opening of a new school (or reopening of a previously closed school)
- Capacity addition at another school facility
- Student reassignment to an underutilized school

Which Schools?

To determine which schools to include when modifying enrollment projections for a capacity solution, Montgomery Planning refers to information specified in the documents listed below (in order of priority).

- 1 Project Description Form (Chapter 6 of the Master Plan CIP)
- 2 Cluster Planning Issues or Schools Information (Chapter 4 of the Master Plan CIP)
- 3 Comments Section of Each Cluster's Projection Table (Chapter 4 of the Master Plan CIP)



MCPS projections are modified solely for the purpose of the Annual School Test. They have no implications on how the actual Board of Education decisions will be made, or what the enrollment and capacity projections will look like once the Board of Education makes and implements a boundary realignment.

> Enrollment Projection Modifications

- How?
 - Using Project Description Form Specifics
 If a Project Description Form provides detailed information about the number of seats that are intended to relieve a certain school, Montgomery Planning uses that information to modify enrollment projections.
 - Calculating the Modifications
 If no specific information is documented, Montgomery Planning uses a hypothetical scenario in which the utilization rates of all involved schools are balanced. The steps are outlined below:
 - 1. The enrollment and capacity projections of involved schools are totaled.
 - 2. The collective projected utilization rate is calculated by dividing the total enrollment by the total capacity.
 - 3. The total enrollment is redistributed to each school by multiplying the collective projected utilization rate by each school's projected capacity, then rounded to the nearest whole number.

4. If the rounding causes the sum of the modified enrollment projections to be different from the original sum, then the rounded enrollment is adjusted at the school where such an adjustment will have the least impact on the change in value.

(see next page for an example)



➤ Enrollment Projection Modifications

Example: Gaithersburg Cluster Elementary School #8

The language provided in the Project Description Form for Gaithersburg Cluster Elementary School #8 indicates that the new school, scheduled to be completed in September 2022, will relieve overutilization at Gaithersburg, Rosemont, Strawberry Knoll, Summit Hall and Washington Grove elementary schools. However, the number of seats that are intended to relieve over-enrollment at each school is not specified. Therefore, Montgomery Planning uses modified enrollment projections for the FY21 Annual School Test (which tests the 2024 school year), calculated according to the method described on the previous page.

The table below shows the original MCPS projections, calculated values, and modified projections for each school.

2024-2025 Projections									
Schools	MCPS			Enrolln	FY21 AST				
	Capacity	Enrollment	Utilization Rate	Calculation	Value w/ Decimals	Rounded Value	Adjusted for Sum	Capacity	Enrollment
Gaithersburg ES	737	884	119.9%	= 96.1% x 737	708.34	708	709	737	709
Rosemont ES	568	675	118.8%	= 96.1% x 568	545.91	546		568	546
Strawberry Knoll ES	459	676	147.3%	= 96.1% x 459	441.15	441		459	441
Summit Hall ES	457	723	158.2%	= 96.1% x 457	439.23	439		457	439
Washington Grove ES	613	477	77.8%	= 96.1% x 613	589.16	589		613	589
Gaithersburg ES #8	740	0	0.0%	= 96.1% x 740	711.22	711		740	711
Total	3574	3435	96.1%		3435.00	3434		3574	3435



Capacity Projection Modifications

Placeholders

- o A placeholder is an interim capacity solution implemented by the County Council. It refers to funds placed in the budget for a school that does not have an approved project scheduled in the CIP.
- If the Council provides placeholder funding for an overutilized school, it is considered a valid capacity solution for the purpose of the Annual School Test. Planning staff calculates the relief to be provided by the funds and modifies the capacity projection of the school accordingly.
- The metrics used to calculate the placeholder impact is consistent with MCPS school capacity calculation guidelines. The placeholder PDF identifies the number of classrooms funded by the solution and the modified capacity projection for the school is calculated assuming the following number of seats per classroom:

ES: 23 seats per classroom

MS: 21.25 seats per classroom

- HS: 22.5 seats per classroom



AST Adequacy Metrics

- The Annual School Test evaluates school adequacy in terms of capacity utilization, and measures it in two different ways using the modified 4-year capacity and enrollment projections:
 - ➤ 4-Year **Utilization Rate** Projection
 - 4-Year Seat Deficit (or Surplus) Projection

➤ Utilization Rate

A utilization rate depicts the extent to which a school facility will be used by comparing the student enrollment to the program capacity of the school. It is calculated by dividing the projected enrollment of a school by the projected capacity of the facility.

$$Utilization \ Rate \ (\%) = \frac{Enrollment}{Capacity}$$

➤ Seat Deficit (or Surplus)

A seat deficit, or surplus, depicts the number of students by which a school facility will be overutilized or underutilized. It is calculated by subtracting the projected enrollment of a school from the projected capacity of the facility.



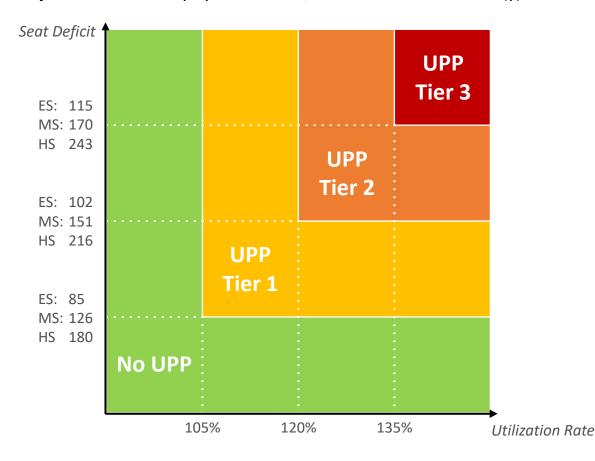
Adequacy Status and Standards

- The adequacy standard used by the Annual School Test:
 - is a combination of utilization rate and seat deficit metrics.
 - determines the adequacy level of a school.
 - is prescribed by the Growth and Infrastructure Policy.
- The adequacy level of a school dictates the status of the service area, also referred to as the Utilization Premium Payment Tier.

➤ Utilization Premium Payment Tiers

The graph below illustrates the thresholds for each Utilization Premium Payment (UPP) Tier. A school reaches a certain UPP Tier if the 4-year modified projections indicate that both the *utilization rate* and *seat deficit* will exceed their respective adequacy thresholds.

- *Utilization rate thresholds* are shown on the horizontal (x) axis.
- Seat deficit thresholds vary by school level, as shown on the vertical (y) axis.





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Utilization Premium Payment (UPP)

- Utilization Premium Payments are fees paid by applicants for residential building permits as a condition of preliminary plan approval in service areas determined to exceed certain adequacy levels.
- The fee is calculated by applying the appropriate **UPP factor** of each school level, which is determined by the adequacy status (tier level) of the school service area, to the undiscounted and unexempt impact tax rate applicable to a residential unit.
- Impact tax rates are determined by the school impact area classification of the development application and residential unit type (single family detached, single family attached, multifamily high-rise or multifamily low-rise).

> Utilization Premium Payment Factor by Service Area Tier

School Level	Payment Factor							
	No UPP	Tier 1	Tier 2	Tier 3				
Elementary School	-	16¾%	331/3%	50%				
Middle School	-	10%	20%	30%				
High School	-	131/4%	26¾%	40%				
Total	-	40%	80%	120%				

• The appropriate payment factor of each school level must be applied.

➤ Impact Tax Rates by School Impact Area & Unit Type

	Infill	Turnover
Residential Unit Type	Impact Area	Impact Area
Single Family Detached	\$20,510	\$21,990
Single Family Attached	\$17,841	\$23,813
Multi-Family Low-Rise	\$5,200	\$12,148
Multi-Family High-Rise	\$3,193	\$2,600



Adequacy Ceilings

- In addition to establishing the adequacy status (UPP Tier) for each school service area, the Annual School Test also reports their adequacy ceilings to subsequent tier levels.
- The adequacy status and adequacy ceilings of a school service area stay constant for the entire fiscal year, unless there is a material change to the CIP adopted by the Council.

> Definition:

- An adequacy ceiling is the seat threshold of a school service area to subsequent UPP Tier levels.
- It depicts the number of additional seats at a school that are available within each tier, or the number of additional students that can be accommodated at such tier, after which the subsequent tier is applied.
- The enrollment impacts of residential units in a development application are evaluated against the adequacy ceilings to determine the appropriate payment factor based on the proportional number of students at each tier.

***** Example:

		UPP	Adequ	uacy Ce	eilings			
Elementary School	Capacity	Enrollment	Utilization	Seat +/-	Status	Tier 1	Tier 2	Tier 3
Arcola ES	651	730	112.1%	-79		6	52	149
Ashburton ES	789	944	119.6%	-155	Tier 1 UPF		3	122
Bannockburn ES	364	505	138.7%	-141	Tier 3 UPF			
Lucy V. Barnsley ES	652	760	116.6%	-108	Tier 1 UPF		23	121

- If a development application is estimated to generate more than 6 students at Arcola ES where the utilization rate already exceeds 105%, the 6th student will bring the seat deficit to 85 and trigger a Tier 1 UPP, which will then be applied to any additional student that is estimated to be generated by the same development project.
- If a development application is estimated to generate more than 3 students at Ashburton ES where the seat deficit is already beyond 102, the 3rd student will bring the utilization rate above 120% and trigger a Tier 2 UPP, which will then be applied to any additional student that is estimated to be generated by the same development project.
- If a single development project exceeds an adequacy ceiling triggers the next payment tier, that
 <u>does not</u> change the school service area status for subsequent applications. Each application is
 reviewed under the status and ceilings identified in the annual school test results.



Student Generation Rates

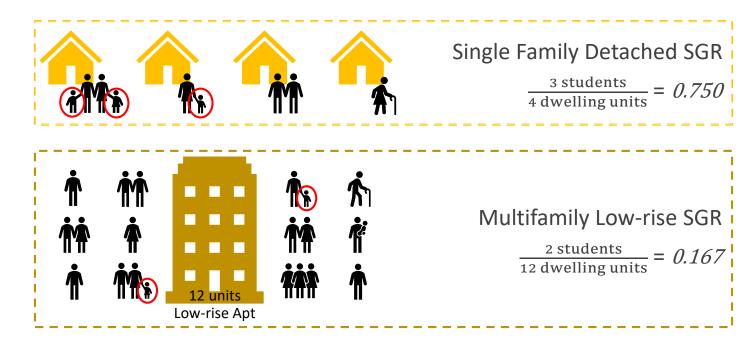
SGR Definition

- A student generation rate identifies the average number of public school students living in a particular residential unit type in a given geography.
- Student generation rates are used to estimate the number of students generated by a proposed residential unit.

> Student Generation Rate (SGR)

$$SGR = \frac{number\ of\ students}{number\ of\ residential\ dwelling\ units}$$

* Examples: The student generation rates of the residential units below are...





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SGR Data Sources

- Student generation rates rely on two major data files:
 - MCPS Student Enrollment Data
 - Montgomery County Property Data
- Since 2014, Montgomery County student generation rates have been calculated based on the whole population dataset rather than from a sample estimate.

MCPS Student Enrollment Data

- Provided by the MCPS Division of Capital Planning.
- Includes the address, school and grade level of each student enrolled in MCPS.
 (Other sensitive or personal information of students are not transmitted.)

Montgomery County Property Data

- Includes property information about the residential dwelling type, number of units, year built, etc.
- Original data are provided by the Maryland State Department of Assessments and Taxation (SDAT).
- Corrections are made to individual data points when Planning staff is able to verify an error in the SDAT information (often due to misclassification of residential unit types or outdated information) to improve accuracy to the extent possible.



SGR Methodology

- Montgomery Planning uses the following methodologies to calculate student generation rates:
 - Geocoding
 - ➢ GIS Data Join

➢ Geocoding

Montgomery Planning maps the student data provided by MCPS according to their addresses, a process commonly referred to as geocoding.

 A very small percentage of student data is unable to be geocoded due to invalid or out-ofcounty addresses.

➤ GIS Data Join

The geocoded student data is then joined to the property database within Montgomery Planning's geographic information system.

 Student data that are matched to non-residential parcels or to senior housing units are excluded from the student generation rate analysis.



SGR Calculation & Application

 Student generation rates are calculated for each School Impact Area, by each residential unit type.

➤ SGR by Residential Unit Type

A student generation rate is calculated for each residential unit type as classified below. The countywide student generate rate of each unit type can be calculated by dividing the total number of students residing in each unit type by the total number of units in that category.

- Single Family Structures
 All single family units are considered in the student generation analysis, regardless of the year the structure was built.
 - Single Family Detached (SFD)
 - Townhouses or Single Family Attached (SFA)
- Multifamily Structures:
 Only multifamily units built since 1990 are considered in the student generation rate analysis.
 - Multifamily Low-rise (MFL or MFLR): includes units in structures up to 4-stories high
 - Multifamily High-rise (MFH or MFHR): includes units in structures 5-stories or higher

➤ SGR by School Impact Area

Student generation rates are calculated by residential unit type for each School Impact Area. Similar to how a countywide rate is calculated for each residential unit type, rates for School Impact Areas are calculated by dividing the total number of students residing in each unit type within a School Impact Area by the total number of units in that category within the School Impact Area.



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SGR Calculation & Application

- Official student generation rates are updated biennially, on July 1st of every oddnumbered calendar year.
 - Student data from the latest school year, which Montgomery Planning receives from MCPS in the fall of the previous year, are joined to contemporaneous property data for the analysis.
- The official student generation rates are used to estimate the enrollment impacts of a residential development application during the development review process. The rates are applied, by School Impact Area, to the number of units proposed for each residential unit type.

➤ Official Student Generation Rates for FY2021

		9	Student Gen	eration Rate	S
		ES	MS	HS	K-12
	SFD	0.201	0.096	0.139	0.436
Infill	SFA	0.176	0.087	0.117	0.380
	MFLR	0.055	0.023	0.033	0.110
	MFHR	0.039	0.014	0.016	0.069
	SFD	0.198	0.112	0.156	0.465
Turnover-	SFA	0.230	0.120	0.157	0.506
-	MFLR	0.124	0.063	0.073	0.261
	MFHR	0.023	0.013	0.019	0.055

The table above identifies the official student generation rates in effect for the remainder of FY2021. The rates will be recalculated and updated in July 2021 (for use in FY2022 and FY2023) to reflect the latest enrollment and property data.



Development Review

Enrollment Impact

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- The following material is reviewed to estimate the enrollment impacts of residential units in a development application.
 - > Development Application
 - Applicable School Impact Area and school service areas
 - Types and number of residential units
 - Student Generation Rates
 - Annual School Test Results
 - UPP Status and adequacy ceilings

> Estimating Enrollment Impact of Residential Units

Example: Hypothetical Development Application

Site Location		Residential Unit Proposal	
☐ School Impact Area:☐ ES Service Area:☐	Infill Impact Area Ashburton ES	☐ Single Family Detached:☐ Single Family Attached:☐	
☐ MS Service Area:	North Bethesda MS	☐ Multifamily Low-rise:	0 units
☐ HS Service Area:	Walter Johnson HS	☐ Multifamily High-rise:	200 units

Enrollment Impact Calculation:

		Infi	ll Impact Area	SGR	Estin	mated # of Students			
Unit Type	# of Units	ES	MS	HS	ES	MS	HS		
SFD	40	0.201	0.096	0.139	8.040	3.840	5.560		
SFA	35	0.176	0.087	0.117	6.160	3.045	4.095		
MFL	0	0.055	0.023	0.033	0.000	0.000	0.000		
MFH	200	0.039	0.014	0.016	7.800	2.800	3.200		
TOTAL	275				22	9	12		

The enrollment impact calculation table illustrates how the enrollment impact is estimated for the hypothetical development application above.

- 1. The number of units being proposed for each unit type are multiplied by the corresponding student generate rates for the applicable School Impact Area, by school level.
- 2. The resultant unrounded numbers are totaled by school level.
- 3. The total for each school level is rounded down to a whole number.



UPP Factor Calculation

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- The estimated number of students from a development application dictates the Utilization Premium Payment factor that is applied to the impact tax rate for each unit.
 - If the estimated number of students at a certain school level is within the adequacy ceiling of the service area, the standard UPP factor is applied as a whole to all units.
 - If the estimated number of students exceeds an adequacy ceiling, the Utilization Premium Payment factor of different tiers are applied proportionally, based on the number of students the development generates at each tier level.
- If multiple applications in the same school service area are reviewed within the same fiscal year, each application is evaluated under the same adequacy status and ceilings. The Utilization Premium Payment factors to be applied may differ between projects if the estimated number of students is different.

➤ Applying Adequacy Ceiling to Calculate UPP Factor

Example: Hypothetical Development Application

Service Area Status	Estimated # of Students				
☐ ES Service Area:	Tier 1 UPP	☐ ES:	22		
☐ MS Service Area:	No UPP	☐ MS:	9		
☐ HS Service Area:	Tier 3 UPP	☐ HS:	12		

		Adequacy Ceiling						
S	tatus	Tier 1	Tier 2	Tier 3				
ES:	Tier 1		3	122				
MS:	No UPP	87	208	393				
HS:	Tier 3							

UPP Factor Calculation:

# of Allocation						UPP Factor Ratio					
Students No		No UPP	Tier 1 Tier 2		Tier 3	No UPP	Tier 1 Tier 2		Tier 3		
ES	22	0	3	19	0	0.000	0.136	0.864	0.000		
MS	9	9	0	0	0	1.000	0.000	0.000	0.000		
HS	12	0	0	0	12	0.000	0.000	0.000	1.000		

For the hypothetical development application above, which generates 22 elementary school students, nine middle school students and 12 high school students, the following steps are used to calculate the proper UPP factors.

- 1. Since 3 of the 22 elementary students count as being under Tier 1, and the other 19 are considered to be in Tier 2, each unit of the hypothetical development is assessed 0.136 ($3 \div 22$) of a Tier 1 elementary school UPP and 0.864 ($19 \div 22$) of a Tier 2 elementary school UPP.
- 2. The estimated number of middle school students is less than the adequacy ceiling, and therefore the applicant would not be charged any middle school UPP.
- 3. The high school service area is at Tier 3, which has no ceiling. All 12 of the estimated high school students fall into Tier 3, therefore the applicant would be assessed a full Tier 3 high school UPP for each residential unit.



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Amendment

- When a previously approved project files for an amendment, a new Utilization Premium Payment factor is calculated for the newly proposed units.
- Previously approved units will continue to require UPPs based on the conditions that applied to their approval.
- The net enrollment impacts of all changes proposed in the amendment (including any units removed from previous approvals) are used to determine whether multiple tiers of UPPs will be required for the units added by the amendment.

➤ Application Amendment

Example: Hypothetical Development Amendment

The following hypothetical amendment to a previously approved application removes 10 single-family detached homes and adds 8 single-family attached (townhouse) and 50 multifamily low-rise units.

Additional Enrollment Impact from Amendment:

	Net Change	Infill SGRs			Students			
AMENDMENT IMPACT	in Units	ES	MS	HS	ES	MS	HS	
Single-family Detached	-10	0.201	0.096	0.139	-2.01	-0.96	-1.39	
Single-family Attached	8	0.176	0.087	0.117	1.408	0.696	0.936	
Multifamily Low-rise	50	0.055	0.023	0.033	2.75	1.15	1.65	
Multifamily High-rise	0	0.039	0.014	0.016	0	0	0	
TOTAL	48				2	0	1	

The enrollment impacts of the amendment are calculated as a net enrollment impact relative to previous approvals. In this example, the net impact is two additional elementary school students and one additional high school student.

UPP Factor Calculation:

		UPP Adequacy Ceiling			Student Allocation					Amendment Payment Ratio			
	Status	Tier 1	Tier 2	Tier 3	No UPP	Tier 1	Tier 2	Tier 3	Total	No UPP	Tier 1	Tier 2	Tier 3
ES:		10	32	136	2	0	0	0	2	1.000	0.000	0.000	0.000
MS:	Tier 1 UPP		54	258	0	0	0	0	0	0.000	1.000	0.000	0.000
HS:	Tier 2 UPP			35	0	0	1	0	1	0.000	0.000	1.000	0.000

An amendment UPP Factor ratio is calculated using the updated adequacy status and ceiling information for the Annual School Test under which the amendment is reviewed. These new payment ratios will apply to the 8 single-family attached (townhouse) and 50 multifamily low-rise units proposed by the amendment only.

