

May 23, 2022

TO: Peter Murphy, Chairman Fairfax County Planning Commission

> Barbara Byron, Director Fairfax County Department of Planning and Development

Tracy Strunk, Director Fairfax County Zoning Evaluation Division

FROM: Jeffrey Platenberg, Assistant Superintendent T Fairfax County Public Schools

SUBJECT: School Impact Proffer Formula and Student Yield Ratio Update

Periodically, the Office of Facilities Planning Services reviews and updates the suggested per student proffer contribution and student yield ratios. The per student proffer contribution is based on the FCPS Public Facilities Impact Formula and the related implementation of the Fairfax County Comprehensive Plan, Public Facilities Residential Development Criterion, that became effective on January 7, 2003. Pursuant to the implementation of the Public Facilities Criterion, it was anticipated that periodic updates and adjustments to the methodology be provided to reflect changes in student yield ratios by unit type and changes in capital construction costs. This includes changes to school capacity, changes in construction costs for elementary, middle, and high school buildings, and modular construction costs. The methodology excludes costs associated with land, fees, and equipment.

Using the adopted methodology, the suggested per student proffer contribution has increased from \$12,262 to \$14,956. The increase is primarily attributable to increasing construction costs. FCPS recommends that the new proffer amount of \$14,956 become effective for all applicable residential rezoning applications accepted on or after June 1, 2022. For ease of reference, the proffer formula and calculations are attached.

In addition to the change in the suggested per student proffer contribution, the student yield ratios used to calculate the suggested proffer contribution have changed. This change reflects the current ratios generated by matching September 30, 2019, student data to 2020 housing counts by unit type. These updated ratios will be used to calculate the potential student yield for new residential development and the suggested school cash proffer amount beginning June 1, 2022.

The updated countywide student yield ratios from school year (SY) 2019-20 are as follows:

Single-Family Detached	.261 Elementary .084 Middle <u>.175 High</u> .521 Total	Low-Rise Multifamily (≤ 4 stories)	.202 Elementary .057 Middle <u>.098 High</u> .357 Total	
Single-Family Attached (Townhouse)	.254 Elementary .072 Middle <u>.141 High</u> .467 Total	Mid/High-Rise Multifamily (> 4 stories)	.061 Elementary .019 Middle <u>.028 High</u> .108 Total	

To generate the new student yield ratios for SY 2019-20, housing information was obtained from the Integrated Parcel Life-Cycle System (IPLS) data layers that contain housing information by unit type from Fairfax County's Department of Neighborhood and Community Services. The City of Fairfax also provided

GIS parcel data along with associated dwelling information. Similarly, Fort Belvoir's GIS Division provided housing data for the residential villages on post. Individual student addresses from the FCPS student information system were then matched to specific dwelling types. For reference, historic student yield ratios are attached.

Since the methodology used to derive the proffer contribution is based, in part, on current construction costs, and that actual development and construction may not begin for a while after rezoning approval, FCPS continues to recommend that an escalation clause be included as part of any monetary school proffer contribution. Many developers have provided appropriate proffer language to address the potential changes in the adopted proffer formula so that when the proffer trigger is reached, the developer contribution is based on the then current student yield ratios and/or contribution formula and suggested proffer amount.

If you have any questions, please feel free to contact Jessica Gillis, Executive Director, Capital Improvements and Planning, at 571-423-2330.

JP/kv

Attachments: Proffer Contribution Calculation, Historic Countywide Student Yield Ratios and Proffer Contributions, Comparison of Student Yield Ratios by School Level

cc: Bryan Hill, County Executive, Fairfax County Scott Brabrand, Superintendent, FCPS FCPS School Board Members Marty Smith, Chief Operating Officer Jessica Gillis, Executive Director, Capital Improvements and Planning

Attachment 1: Proffer Contribution Calculation

Building Construction Costs

Cost per Student for ES = \$325 x 100,000 SF / 950 Max Capacity = \$34,211 Cost per Student for MS = \$325 x 195,000 SF / 1,350 Max Capacity = \$46,944 Cost per Student for HS = \$325 x 400,000 SF / 2,500 Max Capacity = \$52,000

Weighted Average Cost per Student

ES = \$34,211 x 142 (# of schools) = \$4,857,962 MS = \$46,944 x 26 (# of schools) = \$1,220,544 HS = \$52,000 x 25 (# of schools) = \$1,300,000 Weighted Average Cost per Student = \$7,378,506 / 193 (# of schools) = \$38,231

School Capacity Provided by Modular Multiplier*

ES Program Capacity with Modular = 106,409 MS Program Capacity with Modular = 32,235 HS Program Capacity with Modular = 56,308 Total Program Capacity with Modular = 194,952 Modular Capacity = 6,987 Total Capacity without Modular = 187,965 <u>Modular Capacity Multiplier = 6,987 / 194,952 = 0.04</u> *based on FCPS Capital Improvement Program Fiscal Year 2021-25

Adjustment – Modular Construction Cost

Construction Cost Offset by Modular = \$38,231 (weighted average) x 0.04 (school capacity provided by modular multiplier) = \$1,529 Cost of Modular Construction is 45% of the permanent construction cost Modular Multiplier = 0.45 Construction Cost of Modular = \$1,529 (construction cost offset by modular) x 0.45 (cost of modular multiplier) = \$688 <u>Cost per Student after Modular Adjustment = \$38,231 (weighted average) - \$1,529 (construction cost offset by modular) + \$688 (construction cost of modular) = \$37,390</u>

Adjustment – Level of Service (LOS) Average Age of FCPS Buildings = 20 Life Expectancy of FCPS Buildings = 50 Level of Service = 20 / 50 = 0.40

Cost per Student after Modular Adjustment = \$37,390 Cost per Student after Level of Service Multiplier (0.40) = \$37,390 x 0.40 = \$14,956

Attachment 2: Historic Countywide Student Yield Ratios and Proffer Contributions

Letter Date	School Year Student Data	Effective Date	Per Student Proffer	Single-Family Detached Ratio	Single-Family Attached Ratio	Low-Rise Multifamily Ratio	Mid/High-Rise Multifamily Ratio	
June 13, 2002	2001-2002	January 7, 2003	\$7,500	0.473	0.372	0.227	0.102	
May 22, 2006	2005-2006	June 1, 2006	\$11,630	0.479	0.356	0.199	0.076	
June 28, 2007	2006-2007	July 1, 2007	\$12,400	0.480	0.348	0.193	0.078	
October 15, 2008	2007-2008	November 1, 2008	\$11,548	No Change to Ratios (Transition from DIT to FTS)				
July 22, 2009	2008-2009	September 1, 2009	\$9,378	0.531	0.379	0.234	0.087	
August 24, 2012	2011-2012	September 1, 2012	\$10,488	0.531	0.440	0.291	0.110	
September 18, 2013	2012-2013	September 1, 2013	\$10,825	0.536	0.430	0.302	0.106	
November 20, 2014	2013-2014	December 1, 2014	\$11,749	0.530	0.441	0.325	0.100	
October 13, 2016	2015-2016	November 1, 2016	\$12,262	0.533	0.462	0.329	0.112	
May 23, 2022	2019-2020	June 1, 2022	\$14,956	0.521	0.467	0.357	0.108	

Attachment 3: Comparison of Student Yield Ratios by School Level

Housing Type / School Level	SY 2001-02	SY 2005-06	SY 2006-07	SY 2008-09	SY 2011-12	SY 2012-13	SY 2013-14	SY 2015-16	SY 2019-20
Single-Family Detached Total	0.473	0.479	0.480	0.531	0.531	0.536	0.530	0.533	0.521
Elementary	0.244	0.239	0.239	0.266	0.268	0.273	0.270	0.266	0.261
Middle	0.070	0.070	0.069	0.084	0.085	0.086	0.085	0.088	0.084
High	0.159	0.170	0.172	0.181	0.178	0.177	0.175	0.179	0.175
Single-Family Attached Total	0.372	0.356	0.348	0.379	0.440	0.430	0.441	0.462	0.467
Elementary	0.210	0.194	0.190	0.204	0.249	0.243	0.252	0.258	0.254
Middle	0.053	0.052	0.050	0.057	0.063	0.060	0.062	0.067	0.072
High	0.109	0.110	0.108	0.118	0.128	0.127	0.127	0.137	0.141
Low-Rise Multifamily Total	0.227	0.199	0.193	0.234	0.291	0.302	0.325	0.329	0.357
Elementary	0.137	0.114	0.109	0.136	0.173	0.181	0.194	0.188	0.202
Middle	0.030	0.026	0.025	0.032	0.040	0.042	0.046	0.047	0.057
High	0.060	0.059	0.059	0.066	0.078	0.079	0.085	0.094	0.098
Mid/High-Rise Multifamily Total	0.102	0.076	0.078	0.087	0.110	0.106	0.100	0.112	0.108
Elementary	0.063	0.042	0.043	0.047	0.059	0.059	0.056	0.062	0.061
Middle	0.011	0.010	0.011	0.013	0.019	0.017	0.016	0.019	0.019
High	0.028	0.024	0.024	0.027	0.032	0.030	0.028	0.031	0.028